New York University Bulletin 2017-2019
Graduate School of Arts and Science

Announcement for the 132nd and 133rd sessions

New York University
Washington Square
New York, New York 10003

Website: gsas.nyu.edu

Notice: The policies, requirements, course offerings, schedules, activities, tuition, fees, and calendar of the school and its departments and programs set forth in this bulletin are subject to change without notice at any time at the sole discretion of the administration. Such changes may be of any nature, including, but not limited to, the elimination of the school or college, programs, classes, or activities; the relocation of or modification of the content of any of the foregoing; and the cancellation of scheduled classes or other academic activities.

Payment of tuition or attendance at any classes shall constitute a student's acceptance of the administration's rights as set forth in the above paragraph.
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Administration, Departments, Programs

**ADMINISTRATION**

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Assistant Dean, Academic Affairs

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Assistant Dean of Enrollment Services and Director, GSAS Master’s College

**Aida Gureghian**, B.A., M.Phil., Ph.D.
Assistant Dean, Students

Dean Emerita

**GRADUATE DEPARTMENTS**

**Anthropology**
Professor Susan Anton, Chair

**Art History**
Professor Dennis Geronimus, Chair

**Biology**
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**Chemistry**
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**Cinema Studies**
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**Classics**
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**Neural Science**
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**Performance Studies**
Associate Professor André Lepecki, Chair

**Philosophy**
Professor Robert Hopkins, Chair

**Physics**
Professor Gregory Gabadadze, Chair

**Politics**
Professor Alastair Smith, Chair

**Psychology**
Professor Peter Golwitzer, Chair

**Russian and Slavic Studies**
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**Social and Cultural Analysis**
Professor Jennifer Morgan, Chair

**Sociology**
Professor Patrick Sharkey, Chair

**Spanish and Portuguese Languages and Literatures**
Professor Jo Labanyi, Chair

**INTERDISCIPLINARY PROGRAMS**

**Ancient Near Eastern and Egyptian Studies**
Professor Ann Macy Roth, Director of Graduate Studies

**Ancient World**
Professor Alexander Jones, Director

**Atmosphere Ocean Science**
Associate Professor Shafer Smith, Director

**Basic Medical Sciences**
Associate Dean for Biomedical Sciences, Naoko Tanese, Director

**Creative Writing**
Clinical Professor Deborah Landau, Director

**Culture and Media**
Professor Faye Ginsburg, Director

**Data Science**
Professor Richard Bonneau, Director

**Environmental Health Sciences**
Professor Max Costa, Chair, Department of Environmental Medicine

**European and Mediterranean Studies**
Professor Larry Wolff, Director

**French Studies**
Professor Edward Berenson, Director

**Humanities and Social Thought**
Associate Professor S. S. Sandu, Director

**International Relations**
Clinical Professor Michael John Williams, Director
Irish and Irish-American Studies
Professor Joe Lee, Director

Latin American and Caribbean Studies
Associate Professor Jill Lane, Director

Library Science
Professor Alice Flynn, Director (Palmer School of Library and Information Science, Long Island University)

Museum Studies
Clinical Professor Bruce J. Altshuler, Director

Near Eastern Studies
Professor Helga Tawil-Souri, Director

Poetics and Theory
Professor Avital Ronell, Director

Psychotherapy and Psychoanalysis
Professor Lewis Aron, Director

Religious Studies
Associate Professor Angela Zito, Director
The Graduate School of Arts and Science was founded in 1886 by Henry Mitchell MacCracken, a professor of philosophy and logic, and vice-chancellor at New York University.

MacCracken believed that universities should respond to the needs of modernity by giving unprecedented priority to advanced research and professional training. New York University was the second university in America to award a Ph.D. on the basis of academic performance and examination.

In addition to the emphasis on excellence in research, MacCracken recognized the urban environment as both source and inspiration for academic life. He believed that the University’s best interests lay in its interactions with the city. By the early 1900s, the Graduate School had introduced courses concerned with major global issues, and the curriculum reflected movement toward progressive values.

MacCracken’s new vision of graduate training attracted ever-growing numbers of young women and men to doctoral programs. The first female graduate students entered the University in 1888. Today, women constitute over half of the over 5,000 master’s and Ph.D. graduate students enrolled in our departments and programs, as well as in a growing number of institutes and interdisciplinary research areas.

Mirroring the cultural diversity of New York City, the Graduate School of Arts and Science is an urban, diverse, and internationally focused major research center, with students from more than 100 countries. The Graduate School still honors the ideal expressed by Albert Gallatin, the University’s first president, who articulated the institution’s primary goal: “A private university in the public service.”
An Introduction to New York University

The founding of New York University in 1831 by a group of eminent private citizens was a historic event in American education. In the early 19th century, a major emphasis in higher education was on the mastery of Greek and Latin, with little attention given to modern or contemporary subjects. The founders of New York University intended to enlarge the scope of higher education to meet the needs of persons aspiring to careers in business, industry, science, and the arts, as well as in law, medicine, and the ministry. The opening of the University of London in 1828 convinced New Yorkers that New York, too, should have a university.

The first president of New York University’s governing council was Albert Gallatin, former adviser to Thomas Jefferson and secretary of the treasury in Jefferson’s cabinet. Gallatin and his cofounders said that the new university was to be a “national university” that would provide a “rational and practical education for all.”

The result of the founders’ foresight is today a university that is recognized both nationally and internationally as a leader in scholarship. Of the more than 3,000 colleges and universities in America, only 60 institutions are members of the distinguished Association of American Universities. New York University is one of the 60. Students come to the University from all 50 states and from over 130 foreign countries.

The University includes numerous schools, colleges, institutes, and programs at major centers in Manhattan, Brooklyn, and Abu Dhabi (UAE). In the fall of 2013, NYU in New York and NYU Abu Dhabi were joined by a third degree-granting campus in Shanghai, China. In addition, the University operates a branch campus program in Rockland County at St. Thomas Aquinas College. Certain of the University’s research facilities, notably the Nelson Institute of Environmental Medicine, are located in Sterling Forest, near Tuxedo, New York. Although overall the University is large, the divisions are small- to moderate-sized units—each with its own traditions, programs, and faculty.

Enrollment in the undergraduate divisions of the University ranges between 130 and 7,672. While some introductory classes in some programs have large numbers of students, many classes are small.

The University offers over 6,000 courses and grants more than 25 different degrees.
NEW YORK UNIVERSITY LIBRARIES

The Elmer Holmes Bobst Library, designed by Philip Johnson and Richard Foster, is the flagship of a 10-library system that provides access to the world’s scholarship. The Division of Libraries holds 4 million book volumes. Its online catalog, BobCat, contains 3.6 million records, including 1.1 million e-books, 110,000 e-journals, 261,893 serial titles, and 163,000 audio and video recordings. The special collections are uniquely strong in the performing arts, radical and labor history, and the history of New York and its avant-garde culture. Bobst Library serves as a center for the NYU community’s intellectual life and offers approximately 2,500 seats for student study.

The Avery Fisher Center for Music and Media is one of the world’s largest academic media centers and will move in summer 2016 to new quarters in the library with advanced technology to support the newest modes of music listening. The Digital Studio offers a constantly evolving, leading-edge resource for faculty and student projects and promotes and supports access to digital resources for teaching, learning, research, and arts events. The Data Service Studio provides expert staff and access to software, statistical computing, geographical information systems analysis, data collection resources, and data management services in support of quantitative research at NYU.

The Fales Library, a special collection within Bobst Library, is home to the unparalleled Fales Collection of English and American Literature; the Marion Nestle Food Studies Collection, the country’s largest trove of cookbooks, food writing, pamphlets, paper, and archives, dating from the 1790s; and the Downtown Collection, an extraordinary multimedia archive documenting the avant-garde New York art world since 1975. Bobst Library also houses the Tamiment Library, the country’s leading repository of research materials in the history of left politics and labor. Two fellowship programs bring scholars from around the world to Tamiment to explore the history of the Cold War and its wide-ranging impact on American institutions and to research the history of progressive social policies and promote public discussion of their role in our society. Tamiment’s Robert F. Wagner Labor Archives contain, among other resources, the archives of the Jewish Labor Committee and of more than 200 New York City labor organizations. Fales, Tamiment, and the University Archives hold over 41,000 linear feet of archival materials.

Beyond Bobst, the library of the renowned Courant Institute of Mathematical Sciences focuses on research-level material in mathematics, computer science, and related fields. The Stephen Chan Library of Fine Arts at the Institute of Fine Arts (IFA) houses the rich collections that support the research and curricular needs of the institute’s graduate programs in art history and archaeology. The Jack Brause Library at SPS Midtown, the most comprehensive facility of its kind, serves the information needs of every sector of the real estate community. The Library of the Institute for the Study of the Ancient World (ISAW) is a resource for advanced research and graduate education in ancient civilizations from the western Mediterranean to China. The Bern Dibner Library serves the NYU Tandon School of Engineering. The libraries of NYU Abu Dhabi and NYU Shanghai provide access to all the resources in BobCat and are building their own collection of books and other print materials in support of the schools’ developing curricula. Complementing the collections of the Division of Libraries are those of the Health Sciences Library and School of Law.

The NYU Division of Libraries continually enhances its student and faculty services and expands its research collections, responding to the extraordinary growth of the University’s academic programs in recent years and to the rapid expansion of electronic information resources. Bobst Library’s professional staff includes more than 38 subject specialists who select materials and work with faculty and graduate students in every field of study at NYU. The staff also includes specialists in undergraduate outreach, instructional services, preservation, geospatial information, digital information, scholarly communication, intellectual property, and more.
THE LARGER CAMPUS

New York University is an integral part of the metropolitan community of New York City—the business, cultural, artistic, and financial center of the nation and the home of the United Nations. The city’s extraordinary resources enrich both the academic programs and the experience of living at New York University.

Professors whose extracurricular activities include service as editors for publishing houses and magazines; as advisers to city government, banks, school systems, and social agencies; and as consultants for museums and industrial corporations bring to teaching an experience of the world and a professional sophistication that are difficult to match.

Students also, either through course work or in outside activities, tend to be involved in the vigorous and varied life of the city. Research for term papers in the humanities and social sciences may take them to such diverse places as the American Museum of Natural History, the Museum of Modern Art, a garment factory, a deteriorating neighborhood, or a foreign consulate.

Students in science work with their professors on such problems of immediate importance for urban society as the pollution of waterways and the congestion of city streets. Business majors attend seminars in corporation boardrooms and intern as executive assistants in business and financial houses. The schools, courts, hospitals, settlement houses, theatres, playgrounds, and prisons of the greatest city in the world form a regular part of the educational scene for students of medicine, dentistry, education, social work, law, business and public administration, and the creative and performing arts.

The chief center for undergraduate and graduate study is at Washington Square in Greenwich Village, long famous for its contributions to the fine arts, literature, and drama and its personalized, smaller-scale, European style of living. NYU itself makes a significant contribution to the creative activity of the Village through the high concentration of faculty and students who reside within a few blocks of the University. NYU’s Tandon School of Engineering, located in downtown Brooklyn, connects academics with creative research and technology in the burgeoning Tech Triangle and is just a short subway ride away from Washington Square.

University apartment buildings provide housing for over 2,100 members of the faculty and administration, and University student residence halls accommodate over 11,000 men and women. Many more faculty and students reside in private housing in the area.

A PRIVATE UNIVERSITY

Since its founding, New York University has been a private university. It operates under a board of trustees and derives its income from tuition, endowment, grants from private foundations and government, and gifts from friends, alumni, corporations, and other private philanthropic sources.

The University is committed to a policy of equal treatment and opportunity in every aspect of its relations with its faculty, students, and staff members, without regard to race, color, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, and any other legally protected basis.

Inquiries regarding the application of the federal laws and regulations concerning affirmative action and antidiscrimination policies and procedures at New York University may be referred to Mary Signor, executive director, Office of Equal Opportunity, New York University, 726 Broadway, 7th Floor, New York, NY 10003; 212-998-2352. Inquiries may also be referred to the director of the Office of Federal Contract Compliance, US Department of Labor.

New York University is a member of the Association of American Universities and is accredited by the Middle States Association of Colleges and Schools (Commission on Higher Education of the Middle States Association of Colleges and Schools, 3624 Market Street, Philadelphia, PA 19104; 215-662-5606). Individual undergraduate, graduate, and professional programs and schools are accredited by the appropriate specialized accrediting agencies.
# Academic Calendar

## Academic Year 2017-2018

### Fall Term

**SEPTEMBER 2017**
- **5 Tuesday**
  - First day of classes

**15 Friday**
- Final dissertation uploads and paperwork are due in the Office of Academic and Student Affairs for September 2017 degrees

**OCTOBER 2017**
- **2 Monday**
  - Applications for Graduate School of Arts and Science Foreign Language Proficiency Examination due in the Office of Academic and Student Affairs

- **8 Sunday**
  - Graduation application deadline for January 2018 degrees

- **9 Monday**
  - Fall Recess—No Classes Scheduled

**NOVEMBER 2017**
- **3 Friday**
  - Graduate School of Arts and Science Foreign Language Proficiency Examination

- **22 Wednesday-26 Sunday**
  - Thanksgiving recess—No classes scheduled

**DECEMBER 2017**
- **1 Friday**
  - Preliminary dissertation uploads and paperwork are due in the Office of Academic and Student Affairs for January 2018 degrees

- **15 Friday**
  - Last day of Fall 2017 classes

- **18 Monday**
  - Fall semester examination period begins

### Spring Term

**JANUARY 2018**
- **12 Friday**
  - Final dissertations due in the Office of Academic and Student Affairs for January 2018 degrees

- **22 Monday**
  - First day of classes

**FEBRUARY 2018**
- **2 Friday**
  - Applications for Graduate School of Arts and Science Foreign Language Proficiency Examination due in the Office of Academic and Student Affairs

- **4 Sunday**
  - Graduation application deadline for May 2018 degrees

- **19 Monday**
  - University holiday: Presidents’ Day

**MARCH 2018**
- **2 Friday**
  - Graduate School of Arts and Science Foreign Language Proficiency Examination

- **12 Monday**
  - Spring recess begins

- **16 Friday**
  - Preliminary dissertations due in the Office of Academic and Student Affairs for May 2018 degrees

- **18 Sunday**
  - Spring recess ends

### MAY 2018

**Date to be announced**
- Graduate School of Arts and Science Convocation

- **4 Friday**
  - Final dissertations due in the Office of Academic and Student Affairs for May 2018 degrees

- **7 Monday**
  - Last day of classes

- **8 Tuesday**
  - Reading day

- **9 Wednesday**
  - Spring semester examination period begins

- **15 Tuesday**
  - Spring semester examination period ends

- **16 Wednesday**
  - New York University Commencement (tentative)

### Summer Session

**MAY 2018**
- **21 Monday**
  - Summer session I begins

- **28 Monday**
  - University holiday: Memorial Day

**JUNE 2018**
- **17 Sunday**
  - Graduation application deadline for September 2018 degrees

**JULY 2018**
- **1 Sunday**
  - Summer session I ends

- **2 Monday**
  - Applications for Graduate School of Arts and Science Foreign Language Proficiency Examination due in the Office of Academic and Student Affairs

  - Summer session II begins
ACADEMIC CALENDAR • GRADUATE SCHOOL OF ARTS & SCIENCE • NEW YORK UNIVERSITY

4 Wednesday
University holiday: Independence Day

AUGUST 2018

3 Friday
Preliminary dissertations due in the Office of Academic and Student Affairs for September 2016 degrees

10 Friday
Graduate School of Arts and Science Foreign Language Proficiency Examination

12 Sunday
Summer session II ends

ACADEMIC YEAR 2018-2019

Fall Term

SEPTEMBER 2018

3 Monday
University holiday: Labor Day

4 Tuesday
First day of classes

14 Friday
Final dissertations due in the Office of Academic and Student Affairs for September 2018 degrees

OCTOBER 2018

1 Monday
Applications for Graduate School of Arts and Science Foreign Language Proficiency Examination due in the Office of Academic and Student Affairs

7 Sunday
Graduation application deadline for January 2019 degrees

8 Monday
Fall Recess—No classes scheduled

9 Tuesday
Legislative Day—Classes will meet according to a Monday schedule

NOVEMBER 2018

2 Friday
Graduate School of Arts and Science Foreign Language Proficiency Examination

21 Wednesday-23 Friday
Student Thanksgiving recess—No classes scheduled

DECEMBER 2018

7 Friday
Preliminary dissertations due in the Office of Academic and Student Affairs for January 2019 degrees

14 Friday
Last day of classes

17 Monday
Fall semester examination period begins

21 Friday
Fall semester examination period ends

22 Saturday
Winter recess begins

Spring Term

JANUARY 2019

Date to be announced
Final dissertations due in the Office of Academic and Student Affairs for January 2019 degrees

21 Monday
University holiday: Martin Luther King Day

Date to be announced
First day of classes

FEBRUARY 2019

Date to be announced
Graduation application deadline for May 2019 degrees

Date to be announced
Applications for Graduate School of Arts and Science Foreign Language Proficiency Examination due in the Office of Academic and Student Affairs

18 Monday
University holiday: Presidents’ Day

MARCH 2019

Date to be announced
Graduate School of Arts and Science Foreign Language Proficiency Examination

Date to be announced
Spring recess begins

Date to be announced
Preliminary dissertations due in the Office of Academic and Student Affairs for May 2019 degrees

Date to be announced
Spring recess ends

MAY 2019

Date to be announced
Graduate School of Arts and Science Convocation

Date to be announced
Final dissertations due in the Office of Academic and Student Affairs for May 2019 degrees

Date to be announced
Last day of Classes

Date to be announced
Reading day

Summer Session

MAY 2019

Date to be announced
Summer session I begins

27 Monday
University holiday: Memorial Day

JUNE 2019

Date to be announced
Graduation application deadline for September 2019 degrees

JULY 2019

Date to be announced
Summer session I ends

Date to be announced
Applications for Graduate School of Arts and Science Foreign Language Proficiency Examination due in the Office of Academic and Student Affairs

4 Thursday
University holiday: Independence Day

Date to be announced
Summer session II begins
AUGUST 2019

Date to be announced
Preliminary dissertations due in the
Office of Academic and Student Affairs
for September 2019 degrees

Date to be announced
Graduate School of Arts and Science
Foreign Language Proficiency Examination

Date to be announced
Summer session II ends
PROGRAMS AND REQUIREMENTS

Master of Arts

The M.A. degree in ancient Near Eastern and Egyptian studies is awarded to students who have completed at least 32 points of graduate work (a minimum of 24 points in residence at New York University) in consultation with a major field adviser. With the approval of the director of graduate studies, students may take courses anywhere in the University that contribute to a cogent program in their fields and that fulfill degree requirements. Students most frequently take courses in the Department of Hebrew & Judaic Studies, Department of Middle Eastern & Islamic Studies, Department of Classics, the Institute of Fine Arts and the Institute for the Study of the Ancient World.

Language requirements include two years of one ancient Near Eastern language for students with specialization in textual evidence, or one year of one language for students with an archaeology specialization. Either French or German is also required, with the agreement of the student’s primary adviser. Students may complete the master’s degree by either (1) taking a major field subject area exam to be given and evaluated by the principal adviser and one other faculty member or (2) writing a master’s thesis. The topic of the thesis must be approved in advance by the principal adviser, and the completed thesis must be read and approved by that adviser and one other reader.

Doctor of Philosophy

Doctoral students must complete 72 points of course work if they enter without a master’s degree, and they are eligible to transfer a maximum of 40 points of credit if they enter with a master’s degree. With the approval of the director of graduate studies, students may take courses anywhere in the University that contribute to a cogent program in their fields and that fulfill degree requirements. Students must also pass written qualifying subject area examinations in major and minor fields and an evidence-based exam in the major field. At present, these major fields may include Assyriology, ancient Syria-Palestine, ancient Egypt, and ancient Near Eastern archaeology. Minor fields may overlap with these major fields and also may include Near Eastern late antiquity, covering the Hellenistic and Roman periods.

Students must also do basic ancient language course work according to their particular study area. For those focusing on text specialization, this includes two ancient Near Eastern languages with two years of graduate-level study or the
equivalent in each language, or three years of study for the primary language in the major field and one year of study for a second field. For those focusing on an archaeology specialization, this includes one ancient language with two years of graduate-level study or the equivalent. All students must pass reading examinations in French and German as well.

Every student must complete and successfully defend a dissertation showing evidence of original research in his or her major field as the final stage of the degree requirements.

**COURSES**

**Readings in Ancient Near Eastern and Egyptian Studies**

HBRJD-GA 3507  1 to 4 points per term. 2017-18, 2018-19

- **Andrew Monson**, Assistant Professor (Classics). Ph.D. 2008 (classics), Stanford; M.Phil. 2003 (archaeology), London; B.A. 2000 (classical studies), Pennsylvania. Hellenistic history; Greco-Roman Egypt; social and economic history; political economy; ancient empires.


- **Beate Pongratz-Leisten**, Professor of Ancient Near Eastern Studies (Institute for the Study of the Ancient World). Habilitation 1997 (ancient Near Eastern studies), Tübingen; Ph.D. 1993 (ancient Near Eastern studies), Tübingen; M.A 1988 (ancient near eastern studies), Tübingen. Assyriology and ancient Near Eastern religions; conceptions of the divine; the formation of monotheism; translatability of cultures; the interaction between people of the ancient Near East; literature; scribal and intellectual culture.

- **Ann Macy Roth**, Clinical Associate Professor (Hebrew and Judaic Studies, Art History); Director, Giza Cemetery Project, Egypt. Ph.D. 1985 (Egyptology), B.A. 1975 (Egyptology), Chicago. Ancient Egyptian art, archaeology, history, epigraphy and mortuary traditions.


DEPARTMENT OF

Anthropology

PROGRAMS AND REQUIREMENTS

Master of Arts

The department offers a stand-alone M.A. only to students interested in Human Skeletal Biology. Students take a total of 36 points of course work for the M.A. degree. Departmental Seminar, ANTH-GA 1000, is the only required course for the M.A. The Human Skeletal Biology track prepares graduates to apply the principles and techniques of skeletal biology and genetic research in biological anthropology to a variety of contexts, including those in the forensic sciences (e.g., medical examiner’s office, coroner’s office, armed forces, criminal justice, law enforcement, mass disasters). HSB also provides useful training for students who are preparing for admission to doctoral programs in skeletal biology and human evolution. Prospective students should hold a B.A. or B.S., preferably with an emphasis in anthropology, biology, or the natural sciences. Students generally take the following courses or their equivalents: (1) Human Osteology, ANTH-GA 1516, (2) Interpreting Human Skeletal Morphology, ANTH-GA 1520, and (3) Biological Variation Among Human Populations, ANTH-GA 1517 or Human Genetics and Biology, ANTH-GA 1525. In addition, students usually take an approved statistics course and at least one field training or internship course.

Doctor of Philosophy

The doctoral degree requires a total of 72 points. On completion of at least 60 points of course work and no later than one year after completion of all Ph.D. course requirements, a student must take the written Ph.D. comprehensive examinations. These examinations cover work in three areas of specialization and are evaluated by the student’s Ph.D. committee. After completing all Ph.D. course work and passing the comprehensive exam, the student is eligible for the M.Phil. degree. Completion of these requirements as well as an oral defense of the dissertation proposal means that the student has achieved Ph.D. candidacy and may pursue dissertation research. After completion of the dissertation, the student defends the dissertation at a final oral examination conducted by members of the Ph.D. committee and two additional scholars. Three members of the examining committee must be from the anthropology faculty.

Biological Anthropology: Students in the biological track of the Ph.D. program generally take (1) Departmental Seminar, ANTH-GA 1000 (required), or an alternative course approved by the director of graduate studies and their M.A. advisory committee, (2) all three of the New York Consortium for Evolutionary Primatology (NYCEP) core courses, and (3) Seminar: Physical Anthropology I,
ANTH-GA 3217 or II, ANTH-GA 3218, or an equivalent seminar approved by their advisory committee.

Archaeological Anthropology: Students in this track generally take (1) Departmental Seminar, ANTH-GA 1000 (required), (2) either History of Archaeological Theory, ANTH-GA 2213, or History of Anthropology, ANTH-GA 1636, (3) Archaeological Methods and Techniques, ANTH-GA 2214, or an approved substitute, (4) one archaeology course focusing on a specific geographic region, and (5) a supervised field trip experience approved by their advisory committee.

Cultural and Linguistic Anthropology: Students in this track generally take (1) Departmental Seminar, ANTH-GA 1000 (required) or an alternative course approved by the Director of Graduate Studies and their M.A. advisory committee, (2) Social Anthropology Theory and Practice, ANTH-GA 1010, (3) History of Anthropology, ANTH-GA 1636, (4) Linguistic Anthropology, ANTH-GA 1040, and (5) at least one Ethnographic Traditions course, chosen in consultation with their advisory committee.

Advanced Certificate Program in Culture and Media

The Departments of Anthropology and Cinema Studies offer a joint course of study, integrated with graduate work in either of those departments, leading to the Advanced Certificate in Culture and Media. Core faculty are Professor Faye Ginsburg, director of the Program in Culture and Media; Associate Professor Tejaswini Ganti and Associate Professor Noelle Stout of the Department of Anthropology; and Assistant Professor Toby Lee of the Department of Cinema Studies. For more information on the Culture and Media program, please consult that section of this bulletin.

FACILITIES

Center For the Study of Human Origins

The Center for the Study of Human Origins (CSHO) in the Department of Anthropology at New York University was founded in 2002. Its mission is to enhance and facilitate research in all fields of biological anthropology and archaeology that are broadly related to the study of human origins and evolution from a biological and cultural perspective. CSHO’s aim is to foster and support multidisciplinary investigations, with an emphasis on the development of collaborative projects, international fieldwork, and state-of-the-art laboratory research.

Special Resources and Facilities in Biological Anthropology

Excellent research laboratories dedicated to molecular primatology, primate hormones and behavior, comparative anatomy, paleoanthropology, and human osteology, as well as computer facilities, are available in the department.
The NYCEP Program

New York University participates in the New York Consortium for Evolutionary Primatology (NYCEP), a graduate training program in evolutionary primatology that includes City University of New York, Columbia University, the Wildlife Conservation Society at the Bronx Zoo, and the American Museum of Natural History. The consortium provides an integrated training program that allows students to take courses, seminars, and internships at any of these institutions given by more than sixty biological anthropologists, primatologists, and vertebrate paleontologists participating in the program. Students also gain practical experience through required internships, where they work individually on research projects with NYCEP faculty. Most students are provided the opportunity to travel abroad during the summer to conduct research at active field sites.

Special Resources and Facilities in Archaeology

The department maintains excellent laboratory facilities for teaching and research in protohistoric and prehistoric archaeology. An array of computer hardware and software, including image analysis capabilities, is available for graduate research projects. In addition, there is a thin-section laboratory for seasonality studies, and excellent microscopic equipment, including access to scanning electron microscopes. A zooarchaeological reference collection and a ceramics laboratory are available for teaching and research purposes.

Special Resources and Facilities in Culture and Media

Production classes and facilities in HD video are provided at New York University's Department of Film and Television in intensive summer workshops entitled Cinema: The Language of Sight and Sound, and in documentary workshops taught by faculty in the Tisch School of the Arts. Students produce their own documentaries in a small, intensive, yearlong digital video documentary production seminar for advanced culture and media students using HD digital video cameras as well as Avid editing systems. The Department of Anthropology has a film and video screening theatre, the David B. Kriser Film Room, as well as an excellent and expanding collection of over 400 ethnographic documentaries, including most of the classics, important recent works, and a unique study collection of works by indigenous media makers. The Department of Cinema Studies has a collection of over 500 films in its Film Study Center, and the Avery Fisher Center for Music and Media in Bobst Library contains nearly 2,000 tapes of films and documentaries as well as videodisc facilities available to students. In addition, some of the best film, video, and broadcast libraries are available in New York City, including the Donnell Film Library, the Museum of Modern Art Film Library, the Museum of Broadcasting, and the film and video collection of the National Museum of the American Indian.


Tejaswini Ganti, Associate Professor. Ph.D. 2000, New York; M.A. 1994, Pennsylvania; B.A. 1991 (political science), Northwestern. Anthropology of media; media industries; production cultures; political economy; visual anthropology/visual culture; cultural policy; nationalism; capitalism; neoliberalism; globalization; postcolonial theory; Indian cinema; South Asia

Michael Gilsenan, David B. Kriser Professor in the Humanities; Professor (Middle Eastern and Islamic Studies, Anthropology). D.Phil. 1967, Dip.Anth. 1964, B.A. 1963 (Arabic), Oxford. Anthropology and sociology of Islam; history and anthropology; narrative theory; anthropology of power and violence; urban studies; cultural representation.

Faye Ginsburg, David B. Kriser Professor of Anthropology; Director, Program in Culture and Media; Director, Center for Media, Culture, and History; Co-Director, Center for Religion and Media. Co-Director, NYU Council for the Study of Disability. Ph.D. 1986, CUNY; B.A. 1976 (archaeology and art history), Barnard. Social anthropology; ethnographic film; ethnography of media; indigenous media; social movements in the United States; Disability.

Bruce Grant, Professor. Ph.D. 1993, M.A. 1989, Rice; B.A. 1985, McGill. Former Soviet Union, Siberia, the Caucasus; cultural history and politics; religion.

Helena Hansen, Assistant Professor (Psychiatry, Anthropology). M.D. Ph.D. 2005, Yale; B.A. 1992, Harvard. Medical anthropology; science studies; urban anthropology; critical psychiatry; addictions; pharmaceuticals; Latin American and African American spirituality; faith healing.
Center for Media, Culture, and History
The program works closely with the Center for Media, Culture, and History. The Center sponsors fellows, screenings, lectures, and conferences and integrates concerns of faculty and students from the Departments of Anthropology, Cinema Studies, History, and Performance Studies as well as other programs. The Center addresses issues of representation, social change, and identity construction embedded in the development of film, television, video, and new media worldwide. For more information about the Center, visit their Web site at cmchnyu.org.

Center for Religion and Media
The Center for Religion and Media seeks to develop interdisciplinary, cross-cultural knowledge of how religious ideas and practices are shaped and spread through a variety of media. The Center, funded by the Pew Charitable Trusts, is a collaborative project of NYU’s Program in Religious Studies and the Center for Media, Culture, and History, providing a space for scholarly endeavor, a stage for public educational events, and an electronic interface with media specialists and the public through its innovative online journal, The Revealer: A Daily Review of Religion and the Press (therevealer.org).

For more information about the Center, visit its Web site at crmnyu.org.

COURSES
Core Course
Departmental Seminar: Biosocial Intersections
ANTH-GA 1000 Subfield core course, topic and instructors vary by year. Antón, Rapp. 4 points.
This course examines a range of topics as simultaneously natural/cultural objects whose contemporary importance can only be understood through both biological and sociocultural analysis.

Anthropological Archaeology
Prehistory Near East & Egypt I
ANTH-GA 1208 Crabtree. 4 points. 2018-19
This course examines the prehistory of the ancient Near East from the early Pleistocene to the beginnings of plant and animal domestication. The topics covered include the initial human settlement of the Near East during the early Pleistocene; the Paleolithic archaeology of the Middle East; changes in settlement, subsistence, and technology at the end of the Ice Age, and the initial domestication of plants and animals. Undergraduates can be admitted to this course with the instructor’s permission.

Terry Harrison, Silver Professor; Director, Center for the Study of Human Origins; Ph.D. 1982, B.Sc. 1978, University College London. Human evolution; fossil apes and monkeys; functional morphology; paleobiology; primate comparative anatomy; allometry; taphonomy; paleoecology.


Radu Iovita, Assistant Professor. Ph.D. 2008, University of Pennsylvania; M.Phil. 2002 Cambridge; A.B. 2001 (anthropology) Harvard. Paleolithic archaeology; human responses to environmental change; Eurasian loess steppe; archaeological survey techniques; lithics; use-wear; controlled experiments; geometric morphometrics.


Emily Martin, Professor. Ph.D. 1971, Cornell; B.A. 1966, Michigan. Anthropology of science and medicine; gender; cultures of the mind; emotion and rationality; history of psychiatry and psychology; China and the United States.

Sally Engle Merry, Silver Professor, Associate Chair. Ph.D. 1978, Brandeis; M.A. 1967, Yale; B.A. 1966, Wellesley. Anthropology of law; human rights; colonialism; transnationalism; gender and race; violence; forms of governance and audit culture; governmentality; U.S., Pacific and Asia/Pacific.
Prehistory of the Near East and Egypt II  
ANTH-GA 1209 Wright. 4 points. 2018-19  
Covers the period from about ten thousand to four thousand years ago, the prehistoric to Ur III (Mesopotamia and Old Kingdom periods in Egypt). The course is comparative and concentrates on archaeological evidence, although written documentation is considered. Origins of agriculture; development of towns, villages, and cities; invention of new technologies; and emergence of state-level societies.

Prehistoric Europe  
ANTH-GA 1211 White. 4 points. 2018-19  
Development of human existence. during the European Ice Age. Complexities of European geography, geology, vegetation, climate, and their relationship to humans. Inferences from European glacial history as a basis for comprehending the dynamic environmental context in which prehistoric peoples lived and changed. The complex database of the European prehistoric sequence and its relationship to human biological evolution. Human lifeways during the Stone Age including settlement, technology, society and art.

Faunal Analysis  
ANTH-GA 1212 Crabtree. 4 points. 2017-18  
Faunal analysis or zooarchaeology is the study of animal bones recovered from archaeological sites. The goals of faunal analysis include the reconstruction of past hunting, scavenging, and animal husbandry practices, as well as the study of site formation processes. The faunal analysis course will cover the identification and analysis of archaeological animal bone remains. The course will also examine some of the ways in which faunal data have been used in archaeological interpretation. This course is also open to qualified undergraduates with the permission of the instructor.

History of Archaeological Theory  
ANTH-GA 2213 Crabtree. 4 points. 2018-19  
Exposes and assesses in detail the framework of problems and questions that guides anthropological archaeology. Critically examines the process of theory construction and the nature and procedures involved in scientific explanation. Discusses dominant theoretical constructs within which the archaeological record is understood and/or explained.

Archaeological Methods and Techniques  
ANTH-GA 2214 Crabtree, White, Wright. 4 points. 2017-18, 2018-19  
Examines how archaeologists bridge the gap between the theoretical goals of anthropology and a static database. Includes the relationship between theory and method, excavation techniques, sampling strategies, survey design, chronology building, taphonomy, faunal analysis, typological constructs, functional analysis of artifacts, and quantitative manipulation of archaeological data.

Indigenous people and politics, Aboriginal Australia; exchange theory and material culture; anthropology of art and contemporary artworlds; the production and circulation of culture; in identity and personhood; theories of value and practices of signification.

Elayne Oliphant, Assistant Professor (Anthropology, Religious Studies); Ph.D. 2012, Chicago; M.A. 2005 (political economy), Carleton (Ottawa); B.A. 2003 (international development studies and political studies), Trent (Ontario).  
Christianity; ideas of the secular; contemporary religiosity; visual culture; public space; contemporary art; museum studies; capitalism; xenophobia; France, Europe.

Anne M. Rademacher, Associate Professor (Anthropology, Environmental Studies). Ph.D. 2005 (anthropology and environmental studies), Yale; M.E.S. 1998 (environmental studies), Yale; B.A. 1992 (history), Carleton.  
Environmental anthropology; modern ecology and statemaking; sustainable design in urban settings; urban ecology, South Asia.

Gender; reproduction; health and culture; science and technology; United States and Europe.

Linguistic anthropology; language ideology; literacy; language socialization; childhood; missionization; Papua New Guinea and the Caribbean.

Capitalism; political economy; gender and sexuality; inequality; media and visual anthropology; Cuba and Latin America; the United States.
Contemporary Archaeological Theory
ANTH-GA 2313  Wright. 4 points. 2017-18
Recent debates on archaeological theory have emphasized the dichotomy between processual and post-processual approaches. In this course we will focus on several monographs and reviews by prominent archaeologists in order to assess where archaeologists currently stand on these debates.

Biological Anthropology

History and Philosophy of Biological Anthropology
ANTH-GA 1505  Harrison, Higham. 4 points. 2017-18, 2018-19
Provides a history of biological anthropology from its origins to today. Begins with the origins of anthropology as a field before focusing in on the emergence of physical anthropology in the 18th century and subsequent incorporation of evolutionary theory in the 19th and 20th centuries. This includes the history of the study of human variation, paleoanthropology, and the development of field primatology. The shifting intellectual paradigms of the discipline will be discussed, including how biological anthropology integrated ideas and techniques from geology, paleontology, evolutionary biology, psychology, and zoology, to become a multidisciplinary field of diverse intellectual and methodological approaches.

Professional Development in Biological Anthropology
ANTH-GA 1506  Antón, Bailey, Disotell, Harrison. 4 points. 2017-18, 2018-19
Aims to provide an introduction to many of the ethical issues that confront students and scholars in biological anthropology, as well as to provide practical training in professional skills that students will find essential in their early academic careers. The topics included in this course are not generally covered as part of traditional disciplinary courses, but they are considered just as critical for long-term professional development. Individual classes will focus on ethical issues related to science in general, research with animals and humans, and professional relationships, as well as practical skills such as proposal writing, writing for publication, the peer review process, oral presentation, and how to succeed in the job market.

Primate Behavior, Ecology and Conservation
ANTH-GA 1507  Higham. 4 points. 2018-19
Serves as a broad introduction to the ecology, behavior, and conservation of nonhuman primates.

Evolutionary Morphology
ANTH-GA 1508  Antón, Williams. 4 points. 2017-18, 2018-19
Provides an introduction to two related subfields in biological anthropology—comparative morphology of extant primates and the fossil evidence for primate and human evolution. First part of the course surveys different anatomical systems, including external morphology, skull, dentition and postcranium. The role of comparative anatomy in functional and behavioral studies, and phylogenetic analyses is emphasized. Other topics include systematics, nomenclature, allometry and biomechanics. Second part of the class reviews the fossil record, with a special focus on early hominins and the evolution of the vertebral column, Early hominin locomotion, Homoplasy and homology, Morphological integration.

Archaeology; Paleolithic Europe; prehistoric art; archaeological approaches to reconstructing technologies of ancient hunter-gatherers, France.

Scott A. Williams, Assistant Professor.
Ph.D. 2011, Illinois (Urbana-Champaign);
Postcranial functional morphology,
Evolution of the vertebral column, Early hominin locomotion, Homoplasy and homology, Morphological integration.

Rita P. Wright, Professor. Ph.D. 1984, M.A. 1978 (anthropology and archaeology),
Harvard; B.A. 1975, Wellesley.
Archaeology; urbanism; state formation;
gender relations; ceramic analysis; the ancient Near East and South Asia.

Amy Zhang, Assistant Professor. Ph.D.
2016, M.Phil 2012 Yale; M.A. 2006 (history)
McMaster; B.A. 2005 (English literature)
Simon Fraser.
Environmental anthropology; urban
ethnography; critical development studies;
science and technology studies; China.

Angela R. Zito, Associate Professor,
(Anthropology, Religious Studies); Director,
Program in Religious Studies; Co-director,
Center for Religion and Media. Ph.D. 1989
(Far Eastern languages and civilizations),
Chicago; B.A. 1974 (East Asian studies and
journalism), Pennsylvania State.
Cultural history/historical anthropology;
critical theories of religion; religions of
China; religion and media; history and
anthropology of embodiment; gender;
performance and subjectivity; documentary
film.

FACULTY EMERITI

Thomas O. Beidelman
Clifford J. Jolly
Renato I. Rosaldo
emphasize on the evolutionary history and paleobiology of the major primate
groups.

**Genetics and Molecular Systematics**
ANTH-GA 1509 Disotell. 4 points. 2018-19
Provides both a background in elementary genetics and also a review of some
of the major research in molecular anthropology and primatology. The sec-
tion will begin with a review of genetics, inheritance, and population genetics.
Subsequently, the major methodological advances of genomics will be addressed.
Finally, the major findings in human and primate genetics, including work on
phylogeny, population genetics, molecular adaptation, and species' history will be
reviewed in detail.

**Comparative Morphology of the Primates**
ANTH-GA 1515 Harrison, Higham. 2017-18
Detailed review of the comparative anatomy and behavior of the living primates.
Surveys the morphology of the musculoskeletal system, the dentition, the viscera,
the nervous system (including the brain and sensory organs), and the reproductive
system. These structural/functional systems are examined from an ecological
and behavioral perspective, and their significance for assessing taxonomic and
phylogenetic relationships is reviewed.

**Human Osteology**
ANTH-GA 1516 Antón. 4 points. 2017-18, 2018-19
Knowledge of human osteology forms the underpinning for advanced study in
morphology, forensic anthropology, paleoanthropology, bioarchaeology, and
human skeletal biology. This course offers an intensive introduction to the human
skeleton emphasizing the identification of fragmentary human remains.

**Biological Variation Among Human Populations**
ANTH-GA 1517 Antón, Disotell. 4 points. 2017-18, 2018-19
Despite the significance of culture in human adaptation, genetic variation and
biological adaptability continue to affect human survival and reproduction in
important ways. This course explores genetic, physiological, morphological, and
behavioral variability in human populations today; its role in human adaptation;
and its significance to our understanding of human evolution.

**Interpreting Human Skeletal Morphology**
ANTH-GA 1520 Antón, Bailey, Williams. 4 points. 2017-18, 2018-19
Provides an intensive introduction to the methods and techniques used to
reconstruct soft tissue anatomy and behavior from the human skeleton. Focuses on
techniques and applications to all areas of skeletal biology, including bioarchaeol-
ogy, paleoanthropology, forensics, and anthropology.

**Human Genetics and Biology**
ANTH-GA 1525 Disotell. 4 points. 2018-19
This course provides a broad overview of human genetic, physiological,
morphological, and behavioral variation, and surveys the principles and processes
of molecular evolution and adaptation in humans and nonhuman primates.
Dental Anthropology
ANTH-GA 1240 Bailey. 4 points. 2017-18, 2018-19
Provides a comprehensive review of how biological anthropologists use teeth to inform on various areas of study. Topics include: dental anatomy, evolution, growth and development, pathology, comparative odontology, variation in fossil hominins and non-human primates, bioarchaeology and forensic anthropology.

Cultural and Linguistic Anthropology

Social Anthropology Theory and Practice I
ANTH-GA 1010 Merry, Rapp. 4 points. 2017-18, 2018-19
Introduces the principal theoretical issues in contemporary social anthropology, relating recent theoretical developments and ethnographic problems to their origins in classical sociological thought. Problems in the anthropology of knowledge are particularly emphasized as those most challenging to social anthropology and to related disciplines.

Social Anthropology Theory and Practice II
ANTH-GA 1011 Merry, Rapp. 4 points. 2017-18, 2018-19
Focuses on a group of central anthropological concepts, examining their genealogies and limits. Looks at the relation of theoretical and ethnographic practices as they developed in post-World War II and post-colonial contexts, primarily in the Anglophone traditions, as anthropologists grappled with rapid social change. Attention is paid to multilayered power relations, social movements, practical consciousness, practice theory, invented traditions, and the production of culture.

Linguistic Anthropology
ANTH-GA 1040 Das, Schieffelin. 4 points. 2017-18, 2018-19
Introduces and examines the interdependence of anthropology and the study of language both substantively and methodologically. Topics include the relationship between language, thought, and culture; the role of language in social interactions; the acquisition of linguistic and social knowledge; and language and speech in ethnographic perspective.

Theories and Methods in the Study of Religion
ANTH-GA 1204 Oliphant, Zito. 4 points. 2017-18, 2018-19
This course explores some of the more important theories of the origin, character, and function of religion as a human phenomenon. It covers psychological, sociological, anthropological, post-colonial and feminist approaches. The course will explore some problems for the study of religion today, including secularization theory and the intersection of religion and media.

Culture and Media I
ANTH-GA 1215 Ganti, Ginsburg. 4 points. 2017-18, 2018-19
Open only to graduate students in the Departments of Anthropology, Cinema Studies, Comparative Literature, and Performance Studies. Offers a critical revision of the history of the genre of ethnographic film, the central debates it has engaged around cross-cultural representation, and the theoretical and cinematic responses to questions of the screen representation of culture, from the early romantic
constructions of Robert Flaherty to current work in film, television, and video on the part of indigenous people throughout the world.

**Culture and Media II: Ethnography of Media**  
ANTH-GA 1216  *Ganti, Ginsburg. 4 points. 2017-18, 2018-19*  
Open only to graduate students in the Departments of Anthropology, Cinema Studies, Comparative Literature, and Performance Studies. Prerequisite: ANTH-GA 1215. Theorizes media studies from the point of view of cross-cultural ethnographic realities and anthropology from the perspective of new spaces of communication focusing on the social, economic, and political life of media and how it makes a difference in the daily lives of people as a practice, whether in production, reception, or circulation.

**Video Production Seminar I, II**  
ANTH-GA 1218, 1219  *Open only to students in the Program in Culture and Media. Limited to 10 students. Prerequisites: ANTH-GA 1215, H72.1998, and permission of the instructor. Stout, Vail. 4 points per term. 2017-18, 2018-19*  
Yearlong seminar in ethnographic documentary video production using state-of-the-art digital video equipment for students in the Program in Culture and Media. This course is dedicated to instruction, exercises, and reading familiarizing students with fundamentals of video production and their application to a broad conception of ethnographic and documentary approaches.

**Political Anthropology**  
ANTH-GA 1227  *Grant. 4 points. 2017-18*  
This seminar is designed to visit a wide range of explorations on the concept of "the political." We begin with some classic statements from the mid-century British school and consider its reverberations in building political anthropology through the 1970s.

**Colonialism, Nationalism, and Modernity**  
ANTH-GA 1241  *Abercrombie. 4 points. 2018-19*  
This course asks: How can an anthropology with roots in the colonial knowledge regime hope to conspire in emancipatory projects that empower not only third world or politically-correct academics in US universities but the peoples of former European colonies and the marginalized indigenous peoples in them?

**Materiality**  
ANTH-GA 1242  *Myers. 4 points. 2018-19*  
Investigates the key role that objects have played within the discipline of anthropological theory, methods and practices. Traces the theoretical lineage of concepts such as objectification, material culture, commodification, materialism, perspectivalism, to build up a nuanced picture of the analytic frameworks used to understand the material qualities of social life, and to make sense of the divergent ways in which things are magnified within social worlds.

**Anthropology of Law**  
ANTH-GA 1243  *Merry. 4 points. 2018-19*  
This course examines theoretical and methodological issues in legal anthropology, looking at some of the classics in the field as well as contemporary work.
concerning the cultural dimensions of law and their relationship to forms of discipline, power and governmentality. The course examines the relationships between theory and method, focusing in particular on ethnographic methods for studying law and legal institutions.

**Anthropology of Food**  
ANTH-GA 1244  *Abercrombie.* 4 points. 2017-18  
This course is intended as a survey of potential ethnographic approaches to the significance of food, eating, and feeding in human life, ranging from inquiries into the senses and the body, to human/animal distinctions, our use of plants and animals and moral quandaries that result.

**Islam and the Americas**  
ANTH-GA 1246  *Khan.* 4 points. 2017-18  
Dispenses with the convention of approaching Islam in terms of “a fixed cast of Islamic dramatis personae, enacting a predetermined story,” and tries to understand that the coherence of “the world of Islam is essentially ideological, a discursive representation” (Asad).

**Ethnographic Traditions: Latin American Cities**  
ANTH-GA 1314  *Abercrombie.* 4 points. 2018-19  
Attempts to think through the mutual imbrication of the rural village and the city in Latin America. Adopting a combined historical and ethnographic approach and working toward integrating an analytics of political economy with a performance-centered variety of socio-spatial analysis, the course seeks to identify the long term continuities as well as transformative breaks in the cultural, ecological, political, economic ties between rural and urban social orders.

**Constructing America**  
ANTH-GA 1330  *Ginsburg.* 4 points. 2018-19  
Addresses the creation of North American culture as an ethnographic object in the context of the development of anthropology and related fields, as these projects have been negotiated in relation to more broadly articulated concerns that shape and reorder the cultural landscape. Organized chronologically and topically, it will explore both how anthropologists and fellow travelers study life in North America and, in that process, how we as well as our subjects are simultaneously engaged in constructing it.

**Art and Society**  
ANTH-GA 1630  *Myers.* 4 points. 2017-18  
Considers art and aesthetic practice as both specific historical categories and as a dimension of human activity. Considers non-Western societies but shows relation to broader theories of aesthetics, iconography, and style, with reference to art everywhere. Considers mainly visual and plastic arts but also oral literature and crafts.

**History of Anthropology**  
ANTH-GA 1636  *Grant, Myers.* 4 points. 2017-18, 2018-19  
The history of anthropology is rooted in philosophical questions concerning the
relationship between human beings and the formation of society. This course surveys these issues as they relate to the development of method and theory. Focuses on French, British, and American anthropology and how they contributed to the development of the modern discipline.

**Anthropological Perspectives on Science**  
ANTH-GA 2670  Zhang. 4 points. 2018-19  
This course offers a critical examination of foundational and contemporary work in the anthropology of science. This course is designed to be complementary with Cultures of Biomedicine, offered in the fall.

**Anthropology and Human Rights**  
ANTH-GA 2600  Merry. 4 points. 2018-19  
Examines the contemporary elaboration and dissemination of human rights in the post-World War II period as law, discourse, and practice. Includes an analysis of its institutional grounding in United Nations institutions and non-governmental organizations and its changes over time. Specific areas of focus include indigenous rights, women's rights, transitional justice, and human rights monitoring by NGOs and treaty committees, including technologies of knowledge production and the use of indicators and benchmarks.

**Cultures of Biomedicine**  
ANTH-GA 2610  Hansen, Rapp. 4 points. 2018-19  
This seminar will look at the many historical processes through which biomedical power is constituted by addressing topics such as: the discovery/invention of bodies, systems, populations; public health and governance; the material culture of scientific medicine; the emergence of diagnostic categories and pharmacologies; the role of biostatistics. The history, sociology, and ethnography of medicine provide our content.

**Ethnographic Methods**  
ANTH-GA 2700  Schieffelin. 4 points. 2017-18  
Examines theories and methods of ethnographic research, paying particular attention to the links between research questions and data collection techniques. In addition to readings, assignments include practice fieldwork exercises.

**Acquisition of Cultural Practices**  
ANTH-GA 2702  Schieffelin. 4 points. 2017-18  
The course critically explores the notion of “practice” from a number of perspectives, including symbolic interactionism, phenomenology, ethnomethodology, language socialization and contemporary social theory. We will read ethnographic studies on the acquisition of a variety of cultural practices, including speech and gender practices, across a range of societies and contexts.

**Professionalization Seminar**  
ANTH-GA 3211  Rapp. 4 points. 2017-18, 2018-19  
This course addresses the central skills and resources needed for a professional career in anthropology. Topics will include: how to apply to the human subjects review board; how to write grant applications; how to join professional
associations; and how to be a successful teaching assistant. The course also provides an opportunity for students to present recent fieldwork experiences and to rehearse papers they plan to give at the annual meetings of the American Anthropological Association. Three dedicated sessions provide training toward certification in the “Responsible Conduct of Research” (RCR), which is now required by some federal granting agencies.

**General Seminars**

**Topical Seminars**
ANTH-GA 3390, 3391, 3392, 3393, 3394, 3395, 3396, 3397, 3398, 3399

*Staff; 4 points. 2017-18, 2018-19*

Planned topics include:
- Disability Worlds: Anthropological Perspectives
- Neoliberalism
- The Color of Race in the Americas
- Memory, History, Patrimony, Personhood
- Semiotics
- Extinct Landscapes
- Lithic Technology and Function
PROGRAMS AND REQUIREMENTS

Master of Arts in Historical and Sustainable Architecture

For admission, students must meet all standard Graduate School requirements, plus submit a writing sample. GRE scores are not required. TOEFL scores are not required, but IELTS scores are required for applicants required to demonstrate English language proficiency to obtain the UK study visa. Contact department for details about.

The M.A. program consists of 32 points of graduate work as detailed in the course descriptions below. The M.A. is comprised of a standard curriculum, with no elective courses. All students complete a thesis based on original research in the field, under the supervision of a faculty adviser. Theses take the form of a paper or report with supporting documentation, images and notes. Research may consist of archival investigation and/or fieldwork, and may include personal interviews, site reports, and condition assessments.

FACILITIES


COURSES

Adaptive Reuse of Buildings in a Green World: Successes and Failures Part I and Part II
ARTH-GA 9001, ARTH-GA 9002 Hill. 4 points per term. 2017-18, 2018-19
These courses use a range of readings and visits to buildings and places of interest to show the great variety of discourses within which historic buildings can be placed. Coursework assignments range from the historic works of Wordsworth, Ruskin and Morris to current government reports and guidance documents on the historic environment. Trips highlight the adaptive reuse of historic buildings; relationships to landscapes; and technical aspects of conservation work. The second half of this course continues the same approach used in the first, balancing readings against case studies and visits, with a focus on the role of memory in preserving historic buildings and the relationship between modernism and “heritage.”
Aspects of Architectural and Urban Development
ARTH-GA 9003  Bingham, Longstaffe-Gowan, Fox, Price, Lubbock. 4 points. 2017-18, 2018-19
This course offers an overview of aspects of the setting, presentation, and continuity of buildings. Presented in four sections, the instruction will leave the class able to navigate in four fields: town squares and gardens, the structure of older buildings, architectural representations and historic interiors.

Economics of Reuse and Regeneration
ARTH-GA 9004  Mellor, Crew, Silvo. 4 points. 2017-18, 2018-19
This course presents the economics of development in regard to the adaptive reuse of old buildings, for those considering a career in the built environment. Using case studies in London and the U.K., the course will equip participants with some of the tools and concepts needed to enter the development world. The course first deals with how cities grow; then considers the different demands in cities; cost and finance questions; and development models. Readings bring together experience in both the UK and North America.

Low Energy Strategies in Historic and Contemporary Architecture
ARTH-GA 9005  Flewitt, Frank, James. 2 points. 2017-18, 2018-19
This course outlines methods of environmental assessment for buildings, in relation to sustainability concepts and the impact of buildings on the environment. It examines the application of these tests including the context of existing buildings and the scope for action in this field, referencing the balance of sustainable and non-sustainable characteristics of historic buildings.

Independent Study
ARTH-GA 9006  Diestelkamp. 2 points. 2017-18, 2018-19
Independent Study encourages exposure to the wide range of lectures, discussions, conferences, exhibitions, special events, visits and tours taking place in and around London. Students attend and reflect on events held by national amenity societies, heritage organizations, historical societies, official bodies, professional institutions, educational establishments and museums and galleries.

The Practical Solution
ARTH-GA 9007  Diestelkamp, Eberhardt. 4 points. 2017-18, 2018-19
This course focuses on both the policy and practice of adaptive reuse. Through the study of individual case studies, students study the solutions implemented by clients, developers, and designers. Coursework focuses on the roles of government agencies and advocacy groups, as well as technical issues, including communication through visual media, aspects related of conservation and reuse, and contractual arrangements and problem solving. Most meeting take place off site, in London and surrounding communities.

Ian Flewitt, Adjunct Professor. MSc 2000 (environmental design and engineering), University College (London); M.Eng 1991 (civil engineering with architecture), Leeds. Engineering, Structures, Sustainable Design, Historic Conservation.

James Fox, Adjunct Professor. PG Dip (design and technology), Sheffield Hallam; Dip LA (landscape architecture), Sheffield; B.A. Sheffield. Landscape architecture.

Yetsuh Frank, Adjunct Professor, M.Arch 1995 Oregon. Sustainability, Green Building, LEED standards.

Malcolm Fryer, Adjunct Professor. B.Arch 2000, New South Wales (Sydney). Historic building conservation, preservation and conservation of religious structures.

Richard Hill, Adjunct Professor. M.A. (Cantab) (architecture), Cambridge University; Dip Arch. RIBA. Architectural practice; architectural education; historic preservation; adaptive reuse; regeneration.

Tanis Hinchcliffe, Adjunct Professor. Ph.D. (history), London; M.A. (art history), Courtauld Institute; B.A. (English), Toronto. French and English architecture since the 18th century; cultural history of architecture; women as clients; urbanism of London and Paris.

Jessica James, Adjunct Professor. M.Sc. (Environmental Economics and Management); B.Sc. (Environment, Economics, and Ecology) York University. Sustainability, energy assessment, adaptation of old buildings to new technologies.

Todd Longstaffe-Gowan, Adjunct Professor. Ph.D. (historical geography), University College London; M.L.A. (landscape architecture), Harvard; B.E.S. (environmental studies), Manitoba. Landscape architecture, landscape history, landscape conservation,
Practical Experience

ARTH-GA 9008  Powers. 4 points. 2017-18, 2018-19
This class considers conservation of heritage assets from the viewpoint of the practitioner. Students will gain a basic understanding of London’s architectural history, as well insights into the work of amenity societies, heritage public bodies and charitable organizations that conserve historic buildings today. The class will be taught through a combination of lectures, guest presentations, and field trips to historic properties, both within London and by day-trip. Students learn how to analyze and describe historic assets and how to assess their significance, as well as the technical implications of new uses for historic buildings within their historical contexts.

Capstone Thesis

ARTH-GA 9009  Richardson, Hinchcliffe, Darley. 4 points. 2017-18, 2018-19
Students engage in independent research, using resources in London and New York to produce an original thesis. This may take the form of a paper or report with supporting documentation, images and notes. Research may consist of archival investigation and/or fieldwork, including personal interviews, site reports, and condition assessments. Students will be assigned a thesis advisor, with whom they will meet on alternative weeks throughout the spring semester.
PROGRAMS AND REQUIREMENTS

Doctor of Philosophy

Ph.D. candidates for the Program in AOS and Mathematics are expected to be full-time students. The program normally requires five years of full-time study. The requirements for the Ph.D. are the following:

1. A total of 72 points: 18 points of core AOS credits consisting of Methods of Applied Mathematics, MATH-GA 2701, Fluid Dynamics, MATH-GA 2702, Geophysical Fluid Dynamics, MATH-GA 3001, Ocean Dynamics, MATH-GA 3003, Atmospheric Dynamics, MATH-GA 3004 and Advanced Topics in Atmosphere-Ocean Science (Climate Dynamics) MATH-GA 3011, 30 points of additional graduate mathematics course credits (10 courses), 20 points of research credits, and 4 points of seminar credits.

2. A grade of A on written comprehensive examinations in linear algebra, advanced calculus, and geophysical fluid dynamics, taken during the first year of study, and an oral examination in basic physical principles and applied mathematics, taken in the second year.

3. The passing of oral doctoral examinations, including defense of the Ph.D. dissertation.

COURSES

Methods of Applied Mathematics
MATH-GA 2701  Bühler, Gerber, Kleeman, Pauluis, Smith. 3 points. 2017-18, 2018-19
This is a first-year course for all incoming PhD and Master students interested in pursuing research in applied mathematics. It provides a concise and self-contained introduction to advanced mathematical methods, especially in the asymptotic analysis of differential equations. Topics include scaling, perturbation methods, multi-scale asymptotics, transform methods, geometric wave theory, and calculus of variations.

Fluid Dynamics
MATH-GA 2702  3 points. 2017-18, 2018-19
The course will expose students to basic fluid dynamics from a mathematical and physical perspectives, covering both compressible and incompressible flows. Topics: conservation of mass, momentum, and Energy. Eulerian and Lagrangian formulations. Basic theory of inviscid incompressible and compressible fluids, including...
the formation of shock waves. Kinematics and dynamics of vorticity and circulation. Special solutions to the Euler equations: potential flows, rotational flows, irrotational flows and conformal mapping methods. The Navier-Stokes equations, boundary conditions, boundary layer theory.

Geophysical Fluid Dynamics
MATH-GA 3001  Bühler, Gerber, Pauluis, Smith. 3 points. 2017-18, 2018-19
This course serves as an introduction to the fundamentals of geophysical fluid dynamics. No prior knowledge of fluid dynamics is assumed, but the course moves quickly into the subtopic of rapidly rotating, stratified flows. Topics covered include (but are not limited to) the advective derivative, momentum conservation and continuity, the rotating Navier-Stokes equations and non-dimensional parameters, equations of state and thermodynamics of Newtonian fluids, atmospheric and oceanic basic states, the fundamental balances (thermal wind, geostrophic and hydrostatic), the rotating shallow water model, vorticity and potential vorticity, inertia-gravity waves, geostrophic adjustment, the quasi-geostrophic approximation and other small-Rossby number limits, Rossby waves, baroclinic and barotropic instabilities, Rayleigh and Charney-Stern theorems, and geostrophic turbulence. Students are assigned biweekly homework assignments and some computer exercises, and are expected to complete a final project or exam.

Ocean Dynamics
MATH-GA 3003  Holland, Smith. 3 points. 2018-19
The goal of this course is to introduce students to modern dynamical oceanography, with a focus on mathematical models for observed phenomena. The lectures cover the observed structure of the ocean, the thermodynamics of seawater, the equations of motion for rotating-stratified flow, and the most useful approximations thereof: the primitive, planetary geostrophic, and quasi-geostrophic equations. The lectures demonstrate how these approximations can be used to understand boundary layers, wind-driven circulation, buoyancy-driven circulation, oceanic waves (Rossby, Kelvin, and inertia-gravity), potential vorticity dynamics, theories for the observed upper-ocean stratification (the thermocline), and for the abyssal circulation. Students should have some knowledge in geophysical fluid dynamics before taking this course. Throughout the lectures, the interplay between observational, theoretical, and modeling approaches to problems in oceanography are highlighted.

Atmospheric Dynamics
MATH-GA 3004  Gerber, Kleeman, Pauluis. 3 points. 2017-18
This course offers a general overview of the physical processes that determine the state of the Earth's atmosphere. The focus is to describe the main features of the planetary circulation and to explain how they arise as a dynamical response of the atmosphere to different external forcings such as solar radiation or topography. Students should have some knowledge in geophysical fluid dynamics before taking this course. Topics covered include solar forcing, the mean-state of the atmosphere, Hadley and monsoonal circulations, dynamics of the midlatitudes stormtracks, energetics, zonally asymmetric circulations, equatorial dynamics, and the interaction between moist convection and large-scale flow. Students are assigned biweekly

Stochastic modeling; predictability and climate dynamics.

Olivier Pauluis, Professor (Mathematics). Ph.D. 2000 (atmospheric and oceanic sciences), Princeton; Licence d’Ingénieur Civil en Mathématiques Appliquées 1995, Université Catholique de Louvain. Climate science; atmospheric dynamics; tropical meteorology.

K. Shafer Smith, Associate Professor (Mathematics). Ph.D. 1999 (physics), California (Santa Cruz); B.S. 1992 (physics and mathematics), Indiana. Large-scale atmospheric and oceanic dynamics; climate dynamics; geostrophic turbulence; waves and instabilities; balanced dynamics.

AFFILIATED FACULTY
Andrew J. Majda, Professor, Mathematics; Esteban G. Tabak, Professor, Mathematics; Miranda Holmes-Cerfon, Assistant Professor, Mathematics.
homework assignments and some computer exercises, and are expected to complete a final project or exam.

**Advanced Topics in Atmosphere-Ocean Science (Laboratory Experiments in AOS)**

MATH-GA 3010  *Holland. 3 points. 2017-18, 2018-19*

The purpose of this course is to introduce students to the instrumentation used in collecting basic data of the Earth's atmosphere, oceans, and cryosphere. Most of our fundamental knowledge of the Earth's physical environment has been gained from observations taken over the last few decades, using a wide variety of observational techniques ranging from in situ observations at the sea floor to remote sensing satellites at high altitudes in the atmosphere. In this course the student is introduced to basic meteorological instrumentation using a hands-on approach with equipment on a rooftop and basic oceanographic instrumentation deployed in the nearby Hudson estuary. To help understand and reinforce the underlying theoretical concepts of geophysical fluid dynamics as presented in other course work, the students operate a laboratory turntable and perform experiments that demonstrate the roles of rotation and stratification in atmospheric and oceanic circulations on a wide range of spatial and temporal scales. Students complete an individually assigned laboratory experiment project.

**Advanced Topics in Atmosphere-Ocean Science (Climate Dynamics)**

MATH-GA 3011  *Kleeman, Pauluis. 3 points. 2018-19*

The goal of this course is to introduce students to the fundamental principles underlying climate dynamics. The course is primarily lecture oriented but with a laboratory component. Lectures focus on introducing the main concepts of atmosphere/ocean dynamics while a limited set of laboratory experiments reinforce the material presented in the lectures. A series of six classical models in climate dynamics is presented: radiative convective, energy balance, midlatitude ocean, equatorial ocean, El Niño, and simple stochastic climate models. Throughout the lectures, the interplay between observational, theoretical, and modeling approaches toward the understanding of climate dynamics is highlighted. The laboratory component involves a technical introduction and a series of numerical experiments with the models that also forms part of the assignments. Assignments also explore the theoretical basis for the models studied.
PROGRAMES AND REQUIREMENTS

Doctor of Philosophy in Biochemistry

This degree may incorporate the study of molecular pharmacology, molecular biophysics, biomedical imaging, and biomedical informatics. The molecular pharmacology training program trains doctoral candidates in pharmacology and molecular neurobiology. Students interested in the structural basis of biology at both the molecular and cellular levels use cutting-edge technologies of X-ray crystallography, cryoelectron microscopy, mass spectrometry, computational biology, and magnetic resonance imaging in the molecular biophysics and biomedical imaging training programs.

The Doctor of Philosophy degree signifies that the recipient is capable of conducting independent research, has a broad basic knowledge of all areas of basic medical sciences, and has a comprehensive knowledge of one area in particular. To qualify for the doctorate, a student must satisfactorily complete graduate courses totaling at least 72 points (a minimum of 32 in residence at New York University), satisfy the curricular requirements of the individual program, pass a qualifying examination, and present an acceptable dissertation to an appointed thesis committee. A total of 32 points must be completed in courses and tutorials; the remaining points may be obtained in research and/or seminars. The qualifying examination is usually administered at the end of the fourth term of full-time study and the completion of at least 32 points. The examination may include both written and oral sections and is designed to cover the student’s field of concentration and related subjects. Individual programs may set special requirements concerning their qualifying examination. When the PhD thesis dissertation is completed and approved by the student’s research advisor and examination committee, a formal public seminar is held at which the candidate presents, and the candidate afterwards defends the results of his or her research before a faculty committee.

To attain a Doctor of Philosophy in Biochemistry, students have the option of joining one of several training programs of study: cellular and molecular biology, molecular pharmacology, molecular biophysics, systems and computational biomedicine, or biomedical imaging.
Doctor of Philosophy in Cell Biology

This program offers training in the general areas of structure, function, and biogenesis of macromolecules and subcellular organelles; mechanisms that regulate cell metabolism, differentiation, and growth; and intercellular interactions during development. The interdisciplinary character of the program allows for a wider perspective for the student in approaching a research project and selecting a thesis advisor. The design of the curriculum aims at providing the students with an advanced, but balanced, biological education, which prepares them to understand and apply to their research sophisticated ideas and methodologies of biochemistry, genetics, immunology, molecular cell biology, and structural biology. The developmental genetics curriculum focuses on the use of genetic approaches to understanding developmental mechanisms. The training program in stem cell biology proposes to bridge traditional disciplines such as developmental biology and cancer biology and provide trainees with exposure to a broad area of stem cell biology while they delve into their specific research area. The training program in genome integrity prepares students to understand the mechanistic basis of genome organization and function and apply these findings to human disease.

The Doctor of Philosophy degree signifies that the recipient is capable of conducting independent research, has a broad basic knowledge of all areas of basic medical sciences, and has a comprehensive knowledge of one area in particular. To qualify for the doctorate, a student must satisfactorily complete graduate courses totaling at least 72 points (a minimum of 32 in residence at New York University), satisfy the curricular requirements of the individual program, pass a qualifying examination, and present an acceptable dissertation to an appointed thesis committee. A total of 32 points must be completed in courses and tutorials; the remaining points may be obtained in research and/or seminars. The qualifying examination is usually administered at the end of the fourth term of full-time study and the completion of at least 32 points. The examination may include both written and oral sections and is designed to cover the student's field of concentration and related subjects. Individual programs may set special requirements concerning their qualifying examination. When the PhD dissertation is completed and approved by the student's research advisor and examination committee, a formal public seminar is held at which the candidate presents, and afterwards defends the results of his or her research before a faculty committee.

To attain a Doctor of Philosophy in Cell Biology, students have the option of joining one of several training programs of study: cellular and molecular biology, developmental genetics, genome integrity or stem cell biology.

Doctor of Philosophy in Microbiology

The program in microbiology prepares doctoral candidates in the biology of infectious disease processes. Training is offered in the fields of prokaryotic and eukaryotic microbial and molecular genetics; mechanisms of pathogenicity and host resistance to infectious agents; retrovirology, and oncogenic viruses;
growth factors; cytokines; mechanisms of signal transduction and transcriptional regulation, as well as the biochemistry, cell, and immunological phenomena associated with infections. The curriculum emphasizes the molecular aspects of pathogenesis with courses in biochemistry, cellular and molecular biology, genetics, immunology, medical microbiology, microbial pathogenesis, and virology.

The Doctor of Philosophy degree signifies that the recipient is capable of conducting independent research, has a broad basic knowledge of all areas of basic medical sciences, and has a comprehensive knowledge of one area in particular. To qualify for the doctorate, a student must satisfactorily complete graduate courses totaling at least 72 points (a minimum of 32 in residence at New York University), satisfy the curricular requirements of the individual program, pass a qualifying examination, and present an acceptable dissertation to an appointed thesis committee. A total of 32 points must be completed in courses and tutorials; the remaining points may be obtained in research and/or seminars. The qualifying examination is usually administered at the end of the fourth term of full-time study and the completion of at least 32 points. The examination may include both written and oral sections and is designed to cover the student’s field of concentration and related subjects. Individual programs may set special requirements concerning their qualifying examination. When the PhD thesis dissertation is completed and approved by the student’s research advisor and examination committee, a formal public seminar is held at which the candidate presents, and afterwards defends the results of his or her research before a faculty committee.

To attain a Doctor of Philosophy in Microbiology, students have the option of joining one of several training programs of study: cellular and molecular biology, microbiology, or immunology and inflammation.

**Doctor of Philosophy in Pathology**

This specialization trains doctoral candidates in the areas of molecular oncology, viral oncology, virus-cell interaction, immunochemistry, cellular immunology, and molecular genetics. Research experience may be acquired in the following areas: tumor virus-cell interaction; regulation of gene expression; oncogenes and tumor suppressor genes; DNA repair; lymphomas; cell differentiation; molecular biology of immunoglobulin genes; immunogenetics; autoimmune disease; interferon, interleukins, and growth factors; complement; AIDS; and various problems in cellular, tumor, and parasite immunology.

The immunology and inflammation program will train students to be independent scientists with a strong foundation in the scientific method and detailed knowledge of molecular immunology.

The Doctor of Philosophy degree signifies that the recipient is capable of conducting independent research, has a broad basic knowledge of all areas of basic medical sciences, and has a comprehensive knowledge of one area in particular. To qualify for the doctorate, a student must satisfactorily complete graduate courses totaling at least 72 points (a minimum of 32 in residence at New York University).
York University), satisfy the curricular requirements of the individual program, pass a qualifying examination, and present an acceptable dissertation to an appointed thesis committee. A total of 32 points must be completed in courses and tutorials; the remaining points may be obtained in research and/or seminars. The qualifying examination is usually administered at the end of the fourth term of full-time study and the completion of at least 32 points. The examination may include both written and oral sections and is designed to cover the student’s field of concentration and related subjects. Individual programs may set special requirements concerning their qualifying examination. When the PhD thesis dissertation is completed and approved by the student’s research advisor and examination committee, a formal public seminar is held at which the candidate presents, and afterwards defends the results of his or her research before a faculty committee.

To attain a Doctor of Philosophy in Pathology, students have the option of joining one of two training programs of study: molecular oncology and tumor immunology, immunology and inflammation.

**Doctor of Philosophy in Physiology and Neuroscience**

This program offers broad-based training of doctoral candidates in the areas of cellular, molecular, developmental, and systems neuroscience. A diverse curriculum is offered to students through courses within the basic medical science departments at the NYU School of Medicine and those offered by the Center for Neural Science, located at the Washington Square campus, ensuring that trainees are part of a strong intellectual environment beyond that of the constituent laboratories. The training faculty has many overlapping research interests in neuroscience, encompassing basic, translational, and clinical research, from molecular and cellular neurobiology to cognitive and behavioral neuroscience. The core faculty represents a large number of both basic and clinical areas at the NYU School of Medicine, including the Departments of Biochemistry and Molecular Pharmacology, Cell Biology, Medicine, Neurology, Neurosurgery, Ophthalmology, Radiology, and Neuroscience and Physiology.

The Doctor of Philosophy degree signifies that the recipient is capable of conducting independent research, has a broad basic knowledge of all areas of basic medical sciences, and has a comprehensive knowledge of one area in particular. To qualify for the doctorate, a student must satisfactorily complete graduate courses totaling at least 72 points (a minimum of 32 in residence at New York University), satisfy the curricular requirements of the individual program, pass a qualifying examination, and present an acceptable dissertation to an appointed thesis committee. A total of 32 points must be completed in courses and tutorials; the remaining points may be obtained in research and/or seminars. The qualifying examination is usually administered at the end of the fourth term of full-time study and the completion of at least 32 points. The examination may include both written and oral sections and is designed to cover the student’s field of concentration and related subjects. Individual programs may set special requirements concerning their qualifying examination. When the PhD thesis
dissertation is completed and approved by the student’s research advisor and examination committee, a formal public seminar is held at which the candidate presents, and afterwards defends the results of his or her research before a faculty committee.

To attain a Doctor of Philosophy in Physiology and Neuroscience, students select the Physiology and Neuroscience training program.

**Dual Degree Doctor of Philosophy and Doctor of Medicine**

The New York University School of Medicine and the Graduate School of Arts and Science jointly sponsor the Medical Scientist Training Program. The program is designed to prepare individuals for careers as physician-scientists: professionals who are knowledgeable of human biology and disease by virtue of their medical education, and who are research scientists by virtue of their basic science education. These individuals will approach human disease and basic biology from unique perspectives. Their medical backgrounds inform and give direction to their basic science, while their science education informs their approach to observing and understanding human disease. The program's foundation consists of the medical school curriculum leading to the M.D. degree and the graduate school curriculum in one of the programs of the Sackler Institute of Graduate Biomedical Sciences leading to the Ph.D. degree, with a typical course of study of eight years in duration. Building on this base are specialized activities dedicated to the combined degree student including basic science seminars oriented to exploring each topic's relation to human biology and disease, experiences that provide examples of the most successful unions of basic science and medicine; as well as retreats and social functions. The program is supported by an NIH T32 grant, the NYU School of Medicine, and the Sackler Institute.

The first 18 months are devoted to the preclinical basic sciences curriculum. The student then enters a graduate program in which (s)he takes advanced graduate courses and pursues a research project. M.D.-Ph.D. students take their qualifying examinations at the end of their first year of graduate school. Following the completion of studies toward the Ph.D. degree, the student takes a clinical clerkship program and completes the remaining requirements for the M.D. Degree. Completion of the requirements for the M.D.-Ph.D. usually takes eight years. Students receive a credit-savings of 20 blanket transfer points after successful completion of their pre-clinical years for use towards the 72-point Ph.D course credit requirements.
**COURSES**

**Grant Writing for Scientists**
BMSC-GA 1997  Froemke, Long. Required of all first-year Ph.D. and M.D.-Ph.D students. 0 points. 2017-18, 2018-19
Preparatory course for graduate students to determine funding sources for their research and to learn how to write a proposal.

**Scientific Integrity and the Responsible Conduct of Research**
BMSC-GA 2000  Required of all first-year Ph.D. and M.D.-Ph.D students. Rifkin. 0 points. 2017-18, 2018-19
This course familiarizes pre-doctoral trainees (including MD/PhD candidates) with basic ethical issues confronting scientists in biomedical science research. The course addresses ethical considerations for human and animal subjects, scientific integrity in data management, analysis, authorship, and publication both in formal lecture and discussion group formats.

**Topics in Molecular Biology**
BMSC-GA 2001  Prerequisites: BMSC-GA 4482 Lecture and conference. Wilson, staff. 3 points. 2017-18, 2018-19
The course surveys key topics in molecular and cellular biology that underpin more specialized areas of research such as cancer biology, molecular neuroscience, stem cells and developmental biology. The major themes include the control of gene expression, nuclear organization, and faithful replication of the genome.

**Molecular Mechanisms in Biology**
BMSC-GA 2004  Hubbard. 4 points. 2017-18, 2018-19
This course provides an in-depth understanding of the molecular mechanisms underlying key biological processes by examining the structure and mechanism of the macromolecules that govern those processes. Topics include membrane transport, signal transduction, immune recognition, molecular motors, gene expression, enzyme catalysts, ribozymes/riboswitches, structure determination, and structure-based design.

**Introduction to Cellular Neuroscience**
BMSC-GA 2005  Chesler, staff. 6 points. 2017-18, 2018-19
Introduction to the anatomy, biology, molecular structure, and physiology of neurons and glial cells. Equips students with the skills to read neuroscience literature and teaches fundamental concepts of cellular neurobiology. Emphasis is on basic cellular and molecular mechanisms used by neurons to receive, integrate, and transmit information.

**Protein Modification in Cell Signalling**
BMSC-GA 2016  Huang, staff. 4 points. 2017-18, 2018-19
This course focuses on the role of post-translational modifications of proteins in governing human health and disease and explores cutting edge molecular tools, including mass spectrometry, used for identifying unique post-translational modifications of proteins. There are one formal lecture and one paper discussion section per week.
Medical Microbiology
BMSC-GA 2202  Torres, staff.  3 points.  2017-18, 2018-19
This course provides a basis for the understanding of microbial pathogenesis. Concepts covered include microbial gene expression and replication, inter-organism transfer of genetic information, bacterial genetics and physiology, mechanisms of microbial pathogenesis, and the host response to microbial infection. The course combines large-group lectures with small-group discussions of scientific literature.

Molecular Virology
BMSC-GA 2210  Prerequisites: BMSC-GA 2001 or equivalent advanced molecular and cellular biology course, undergraduate genetics. Lecture and conference. Mohr, staff.  4 points.  2017-18, 2018-19
This course introduces the molecular biology and pathogenesis of animal viruses. Twenty lectures cover fundamental aspects of the viral life cycle and host response and explore the biology of medically important RNA and DNA viruses, including emerging pathogens. This course is offered in the spring of odd-numbered years.

Genetics
BMSC-GA 2213  Klein, staff.  6 points.  2017-18, 2018-19
Principles and methods of genetic analysis in diploid organisms—including Drosophila, worms, zebrafish, mice and humans are emphasized. Topics include linkage, gene interactions, mapping, mutagenesis, clonal analysis, transgenic studies, mosaics, epigenetics and methods of study in human genetics. The course is targeted for second year and above graduate students.

Introduction to Immunology
BMSC-GA 2306  Frey, staff.  4 points.  2017-18, 2018-19
This course provides an examination of the immune response, with special emphasis on the experimental approaches that led to our current understanding of immunological principles. Students are assigned weekly reading in the form of textbook chapters and a primary research paper that probes intellectual and practical questions in immunology research.

Advanced Immunology
BMSC-GA 2308  Prerequisite: BMSC-GA 2306 or the equivalent. Lafaille, staff.  4 points.  2017-18, 2018-19
Students are assigned two to three “papers of the week” and present the papers to fellow classmates and faculty. The papers are discussed for their significance (questions addressed and their relevance), techniques utilized, analysis of data, and perspectives.

Molecular Oncology
BMSC-GA 2318  D. Levy.  4 points.  2017-18, 2018-19
This course covers the molecular basis of cancer. Topics include somatic mutations and DNA repair mechanisms; viral systems relevant to cellular transformation; the pathogenesis of cancer as a consequence of alterations in oncogenes; growth factor genes and tumor suppressor genes; tumor progression; mechanisms of metastasis; and tumor immunology.
Developmental Stem Cell Systems I, II  
BMSC-GA 2610, 2609  Lecture and laboratory. Hubbard, Nance. 6 points each term. 2017-18, 2018-19  
This course is an introduction to Developmental Genetics and Stem Cell Biology. Fundamental questions, concepts and methodologies of modern inquiry into the genetic and cellular mechanisms of development and stem cell biology will be explored through coordinated lectures, labs, and discussion of primary literature.

NYU-STEP IDP Class  
BMSC-GA 3025  Micoli. 0 points. 2017-18, 2018-19  
The Individual Development Plan (IDP) course is required of 3rd year graduate students pursuing a PhD degree. Participants evaluate their own values and interests as they relate to their professional careers and are introduced to career tracks: For-profit industry, Non-profit and government, Communications and Academia.

Readings in Biomedical Sciences  
BMSC-GA 3715-4415  1-4 points per term. 2017-18, 2018-19  
Advanced instruction on a limited topic.

Techniques in Molecular Biophysics  
Students learn theory and techniques to study the structure-function of proteins. Topics include: x-ray diffraction of protein crystals, phasing and refinement in x-ray structure determination, cryo-electron microscopy, electron tomography, image processing in EM, multi-dimensional NMR spectroscopy, MALDI-TOF and Q-TOF mass spectrometry, MRI and ultrasound imaging, and single molecular techniques.

Fundamental Concepts of Magnetic Resonance Imaging  
BMSC-GA 4404  Collins. 3 points. 2017-18, 2018-19  
The course covers the fundamental physical principles governing the data acquisition and image reconstruction of magnetic resonance imaging (MRI) and applications in medicine and biology. A background in physical sciences is desirable but not essential.

Cryoelectron Microscopy of Macromolecular Assemblies  
BMSC-GA 4408  Stokes. 4 points. 2017-18, 2018-19  
This comprehensive course covers the theory and practice of solving molecular structures by electron microscopy. This is predominantly a lecture course involving one 2-hour lecture per week accompanied by a discussion session and an occasional practical session using the facilities at the New York Structural Biology Center.

Advanced Magnetic Resonance Imaging  
BMSC-GA 4409  Prerequisite: BMSC-GA 4404. Sigmund. 3 points. 2017-18, 2018-19  
The course introduces and utilizes mathematical concepts such as the Fourier transform, k-space, and the Bloch equations to describe the physical and
mathematical principles governing data acquisition and image reconstruction. Topics include diffusion, perfusion, functional brain imaging, cardiac MRI, spectroscopic imaging, clinical MRI, radio frequency engineering, contrast agents, and molecular imaging.

**Disorders of the Nervous System**  
The major goals of the course are to introduce clinical topics to graduate students in a context that complements basic neuroscience courses and to provide opportunities for students to expand their perspectives from basic science to clinically related endpoints.

**Readings in Translational Neuroscience**  
BMSC-GA 4415  *Scharfman*. 1.5 points. 2017-18, 2018-19  
This course is a weekly discussion series that addresses current translational neuroscience research. The presentation begins with an overview followed by a critical presentation of the article. Students are graded on their presentation and class participation.

**Drug Development in a New Era**  
As we enter a new decade of discovery, it is essential that translational researchers, medical, biological, and basic scientists have a prerequisite understanding of the innovative, interdependent, collaborative process of drug development. Core aspects involve integration of disciplines within the global economy and public health domain.

**Neuroanatomy**  
BMSC-GA 4420  *Lang*. 3 points. 2017-18, 2018-19  
The course covers the gross and histological structure of the brain and the anatomical localization and connectivity of the major functional systems that comprise the human central and peripheral nervous systems. Class time will be divided among lectures, laboratories, and conferences.

**Translating Cancer Discovery into Clinical Practice**  
BMSC-GA 4422  Prerequisite: BMSC-GA 2318  *Carroll, Osman*. 4 points. 2017-18, 2018-19  
This course is designed to educate students about the importance of translational research in oncology. Specifically, it focuses on the growing cross talk between basic science research and clinical oncology for development of novel approaches in managing cancer patients (both from diagnostic and therapeutic standpoints).

**Medical Imaging Systems**  
BMSC-GA 4426  *Lattanzi*. 3 points. 2017-18, 2018-19  
This course introduces the physics, instrumentation, and signal processing methods used in x-ray (projection radiography), x-ray computed tomography, ultrasound imaging, optical imaging, and magnetic resonance imaging. The course builds on fundamental signal processing, basic electricity and magnetism, and multivariable calculus.
Practical Magnetic Resonance Imaging
BMSC-GA 4427  Lattanzi. 6 points. 2017-18, 2018-19
This course is a practical introduction to the basic components of signal excitation and detection in magnetic resonance imaging (MRI). Prerequisites are basic knowledge of C++, BMSC-GA 4404 or permission from the course instructor for students not enrolled in the Sackler training program in biomedical imaging.

Practical Magnetic Resonance Imaging II
BMSC-GA 4428  Prerequisite: BMSC-GA 4427 Otazo. 6 points. 2017-18, 2018-19
This course is a practical introduction to image reconstruction, processing, and analysis in magnetic resonance imaging (MRI). The course is divided into three modules. During laboratory sessions and homework, students will use Matlab to implement and test image reconstruction methods, perform image segmentation and coregistration.

Fundamentals of Teaching
BMSC-GA 4431  Micoli. 2 points. 2017-18, 2018-19
This course presents fundamental concepts in the design and implementation of teaching at the college-level and post-graduate level. Topics include cognitive hierarchies, adult learning, course, lesson and syllabus design, design of a teaching portfolio, lecture hall strategies, active learning strategies, formative and summative assessment techniques.

Assembly and Function of Circuits in the CNS
BMSC-GA 4433  Dasen. 4 points. 2017-18, 2018-19
This course covers the fundamental principles underlying nervous system development, from neural induction through activity-dependent fine tuning of neuronal properties and synaptic connections at later phases of development. We will address modern techniques to study neurodevelopment extensively. Primary research articles constitute the bulk of the required reading materials.

Proteomics Informatics
BMSC-GA 4437  Fenyo. 3 points. 2017-18, 2018-19
This course provides an introduction to proteomics and mass spectrometry workflows, experimental design, and data analysis with a focus on algorithms for extracting information from experimental data. The following subjects will be covered: (1) Protein identification; (2) Protein characterization; (3) Protein quantitation.

Machine Learning
BMSC-GA 4439  Fenyo. 3 points 2017-18, 2018-19
This course will highlight what problems machine learning can solve relating to classification and regression. Extensive focus will be given to the main ways to classify: unsupervised and supervised. Also, course will devote time to comparing machine learning vs. statistics. Prerequisites: Calculus, Linear Algebra, Algorithms and Data Structures, and Statistics.
Methods in Quantitative Biology
BMSC-GA 4449  Fenyo. 3 points. 2017-18, 2018-19
This course provides an overview of foundational knowledge and essential methods relevant for all areas of biomedical informatics. Students will explore recurring themes and application domains most frequently used in the field. The majority of the coursework will be programming assignments and readings.

Biomedical Informatics Consulting
BMSC-GA 4450  Aphinyanaphongs. 2 points. 2017-18, 2018-19
This is an elective course for graduate students enrolled in the Systems and Computational Biomedicine program. Students will participate in BPIC consultations, prepare reports, present consultations to faculty mentors and their peers. The students will meet weekly to discuss former consultations as case studies, ongoing consultation and strategies for effective informatics consulting.

Biostatistics and Exploratory Data Analysis
BMSC-GA 4451  Fenyo, Yanai, Troxel. 2 points. 2017-18, 2018-19
Required of all first-year Ph.D. and M.D.-Ph.D students. Those with sufficient knowledge may place out. The student will learn entry-level methods in biostatistics and exploratory data analysis. Fundamental topics in biostatistics will include probability, hypothesis testing, estimation, correlation, regression, and experimental design. Topics in exploratory data analysis will cover the application of supervised and unsupervised approaches to mine a dataset, with an emphasis on visualization.

Next Generation Sequencing Informatics
BMSC-GA 4452  Brown. 3 points. 2017-18, 2018-19
This course provides practical training in informatics methods for analysis of next-generation DNA sequencing (NGS) data. Students will review the development of DNA sequencing laboratory technologies and informatics tools, current methods, and promising new developments.

Molecular Pathology in the Omics Era
BMSC-GA 4454  Heguy. 3 point. 2017-18, 2018-19
This course covers genomics, proteomics and other “big data”-generating technologies, as well as the bioinformatic approaches relevant to both the research and applied aspects of molecular pathology. The lecture/discussion format will give students both a broad background and the opportunity to apply critical thinking skills to recent data.

Introduction to Health Informatics
BMSC-GA 4455  Aphinyanaphongs. 3 points. 2017-18, 2018-19
An introduction to biomedical informatics, the interdisciplinary science of information management in medicine with a focus on its relevance to clinical research in medicine and public health. Innovative methods to capture, store, and retrieve clinical and population level data and information systems which can support research interventions will be reviewed.
Topics in Bioinformatics
BMSC-GA 4456  Ruggles. 3 points. 2017-18, 2018-19
The course provides students with an overview of bioinformatics techniques. Beginning with the history of biomedical informatics, the course is organized into seven modules. Each module includes: an introductory lecture on the project followed by the students’ formulation of an analysis plan and subsequently a final report.

Genome Integrity
BMSC-GA 4457  Skok. 3 points. 2017-18, 2018-19
This course provides students with a broad base in fundamental principles of genome integrity while at the same time providing connections between genome integrity, organismal fitness, and human disease.

Current topics in Genome Integrity
BMSC-GA 4458  Tahiliani. 1.5 points. 2017-18, 2018-19
Training in current topics relevant to Genome Integrity will be provided by a weekly journal club in conjunction with the New York Academy of Sciences Genome Integrity Discussion Group (NYAS GIDG). The NYAS convenes various meetings, seminars, and interdisciplinary conferences annually in New York City.

Pharmacology and Drug Development
BMSC-GA 4459  Bach. 4 points. 2017-18, 2018-19
This course is a combination of lectures and discussions of primary literature. While the earlier parts of the course will provide the student with a firm foundation in the basic concepts in pharmacology and drug development, the latter part of the course will focus on diabetes, metabolism and cancer.

Molecular Mechanisms of Neurodegeneration
BMSC-GA 4461  Ghiso. Sigurdson. 3 points. 2017-18, 2018-19
This elective course for graduate students focuses on molecular and cellular mechanisms of neurodegeneration. The objective is to provide students a foundation relevant to their dissertation project and an introduction to novel concepts, hypotheses and controversies that may have implications for their own research.

Systems and Motor Neuroscience
BMSC-GA 4462  Lang. Hawken. 3 points. 2017-18, 2018-19
A required course for the Neuroscience & Physiology Training Program.

Fundamentals in Microbiology & Microbial Pathogenesis
BMSC-GA 4468  A Darwin, H Darwin, A. Rodriguez. 4 points. 2017-18, 2018-19
For students interested in medical microbiology and related disciplines, this course will cover fundamental aspects of bacteriology and parasitology by means of interactive lectures, discussions, lab sessions and student presentations of research papers.

Fundamental Research Skills and Tools
BMSC-GA 4473  Surkis. 1 point. 2017-18, 2018-19
Required of all first-year Ph.D. and M.D.-Ph.D students. This course will provide
students with a set of skills to support their graduate work and future research careers through its focus on literature searching, research data management, data visualization, team science, citation management, Git/GitHub, publication metrics, and publication models.

**Cell Biology**  
BMSC-GA 4476 *Cowin. 3 points. 2017-18, 2018-19*  
The course emphasizes basic cell biology and translational applications. Topics include: cell and molecular interactions governing potency, differentiation and plasticity among cellular hierarchies, mechanisms of cell adhesion, migration, communication and dynamic cytoskeletal reorganization in the construction of tissues, regulation of cell proliferation and death, and subcellular protein trafficking and signaling.

**Introduction to Molecular Genetics**  
BMSC-GA 4477 *Borowiec 2 points. 2017-18, 2018-19*  
This course will explore the basics of molecular genetics including: genomics, proteomics and the yeast model organism; bacterial genetics; deciphering pathways using *c. elegans*; the zebrafish model and imaging approaches; mouse as a genetic tool; use of Drosophila as a model system.

**Ethics Refresher**  
BMSC-GA 4478 *Prerequisites: BMSC-GA 2000 Rifkin. 0 points. 2017-18, 2018-19*  
This course refreshes student’s knowledge of the ethical considerations involved in biomedical research, an NIH requirement every 4 years.

**Introduction to Research**  
BMSC-GA 4482 *Lab, Lecture and conference. Wilson, staff. 3 points. 2017-18, 2018-19*  
Required of all first-year Ph.D. students. This introductory course prepares first year graduate students how to think broadly and critically using a variety of formats: lab research adventures, student research presentations, faculty lectures and guided discussions. Course includes an overview of important areas in molecular & cellular biology, emphasizing methodology, terminology and critical reading.

**Research**

**Research in Biochemistry**  
BMSC-GA 3101-3102 *Bar-Sagi, Boeke, Borowiec, Chao, Cowan, Huang, Klein, Kong, Neubert, Reinberg, Rothenberg. 1-12 points per term. 2017-18, 2018-19*

**Research in Biomedical Informatics**  
BMSC-GA 4436 *Aphinyanaphongs, Bonneau, Broun, Cronstein, Feny, Gunsalus, Peskin, Ruggles. 1-12 points per term. 2017-18, 2018-19*

**Research in Biomedical Imaging**  
BMSC-GA 4417 *Collins, Gonen, Lattanzi, Marmar, Otazo, Sodickson, Sub, Turnbull. 1-12 points per term. 2017-18, 2018-19*
Research in Cell Biology

Research in Genome Integrity
BMSC-GA 4472  Aifantis, Bar-Sagi, Boeke, Huang, Klein, Reinberg, Sfeir, Skok, S. Smith. 1-12 points per term. 2017-18, 2018-19

Research in Developmental Genetics

Research in Microbiology

Research in Pathology

Research in Pharmacology

Research in Physiology and Neuroscience
BMSC-GA 3501-3502  Axel, Blanck, Burden, Chesler, Coetzee, Dasen, Fishman, Froemke, Gani, Gardner, Ginsberg, Gonen, Mathews, Morley, Rice, Rudy, Salzer, Sigurdsson, Sub, Tien, D. Wilson, Wisniewski. 1-12 points per term. 2017-18, 2018-19

Research in Structural Biology

Seminars

Research Presentations in Cellular and Molecular Biology
BMSC-GA 2605  Ziff. 1.5 points per term. 2017-18, 2018-19

Seminar in Systems and Computational Biomedicine
BMSC-GA 4435  Ruggles. 1.5 points per term. 2017-18, 2018-19

Seminar in Molecular Biophysics
BMSC-GA 3715  Krogsgaard. 2 points per term. 2017-18, 2018-19
Seminar in Biomedical Imaging  
BMSC-GA 4416  Turnbull. 1.5 points per term. 2017-18, 2018-19

Seminar in Developmental Genetics  
BMSC-GA 3404  E.J. Hubbard. 1.5 points per term. 2017-18, 2018-19

Genome Integrity Works-in-Progress  
BMSC-GA 4460  Smith. 1.5 points per term. 2017-18, 2018-19

Seminar in Immunology  
BMSC-GA 4441  Feske, Koralov. 1.5 points per term. 2017-18, 2018-19

Seminar in Microbiology  
BMSC-GA 3211, 3212  Cadwell. 1.5 points per term. 2017-18, 2018-19

Seminar in Pathology  
BMSC-GA 3311, 3312  D. Levy 1.5 points per term. 2017-18, 2018-19

Seminar in Pharmacology  
BMSC-GA 3411, 3412  Bach. 1.5 points per term. 2017-18, 2018-19

Readings in Neuroscience  
BMSC-GA 4463  Chao, staff. 5-5 points per term. 2017-18, 2018-19

Seminar in Stem Cell Biology  
BMSC-GA 4425  E.J. Hubbard. 1.5 points per term. 2017-18, 2018-19
DEPARTMENT OF

Biology

PROGRAMS AND REQUIREMENTS

Master of Science
Applications for admissions to the M.S. Program are accepted on a continuing basis, and students may begin their studies in either the fall or spring semesters. Applicants for admission to the M.S. program must have successfully completed an undergraduate major in a science with a B average of better and must submit three letters of recommendation. The Graduate Record Examination (GRE) is required for admission to the MS program.

Degree Requirements: Students are awarded a Master of Science degree on (1) completion of 36 points with an average of B or better and (2) satisfactory completion of a qualifying paper, also known as a Master's thesis. Of the 36 points required, 24 must be from the Department of Biology at New York University. Courses numbered in the 1000-level and 2000-level ranges are open to students in the M.S. program. All entering M.S. students typically take Bio Core 1, BIOL-GA 1001, and Bio Core 2, BIOL-GA 1002. The M.S. program offers four courses of study: general biology, bioinformatics and systems biology, recombinant DNA technology, and oral biology.

Dual Degree Master of Science in Biology and Master of Business Administration
There is a combined M.S.-M.B.A. program which is offered jointly with the New York University Leonard N. Stern School of Business.

The M.S.-M.B.A. program will lead to an M.S. in Biology (GSAS) and an M.B.A. (Stern School of Business). Applicants must submit an application to both schools and students must be admitted to both programs to qualify for the joint degree. Each program's application requirements must by satisfied.

Students in the joint program earn 30 credits in GSAS-Biology and complete a qualifying paper and complete 54 credits in the Stern School of Business. The M.S.-M.B.A. is a full-time program, with the first year and summer semester at GSAS and the second and third years at Stern.

Doctor of Philosophy
The department accepts a limited number of outstanding students into the Ph.D. program, which is a full-time program beginning in the Fall semester. Minimal requirements for admission to the Ph.D. program are an undergraduate major in a science with a B or better average; three letters of recommendation from

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Email: biology@nyu.edu

CHAIR OF THE DEPARTMENT:
Professor Justin Blau

DIRECTOR OF GRADUATE STUDIES, M.S.:
Professor Christine A. Rushlow

DIRECTOR OF GRADUATE STUDIES, PH.D.:
Associate Professor Edo Kussell

FACULTY


Richard A. Bonneau, Professor (Biology, Computer Science), Ph.D. 2001 (biochemistry), Washington (Seattle); B.A. 1997 (biochemistry), Florida State. Systems Biology and protein modeling.
individuals who are capable of assessing the applicant's academic and scientific potential; and the Graduate Record Examination (the advanced test in biology is recommended).

The Ph.D. degree is a research degree. To qualify for the doctorate, a student must satisfactorily complete graduate studies totaling at least 72 points (at least 36 in residence at New York University), pass a qualifying examination, and present an acceptable dissertation. Each doctoral student is expected to have teaching experience at the college level; students gain this experience through teaching assistantships within the department.

**Course of Study:** Of the 72 points required, a total of 32 points must be in courses and tutorials at the 1000 and 2000 levels; after review and approval by the director of graduate studies, up to one-half of these 32 points may be transferred from outside the department. The remaining points may be selected from courses generally at the 3000 level. Doctoral students must also satisfactorily complete, during the first year of residence, Predoctoral Colloquium: Laboratory Rotation, BIOL-GA 3034, 3035. All Ph.D. students are expected to participate in Predoctoral Colloquium: Graduate Student Seminar, BIOL-GA 3015 every semester. All doctoral students must maintain an average of B or better.

Students who are admitted into the specialized track in Developmental Genetics, which is offered by the Department of Biology with faculty from NYU's School of Medicine, participate in a DG curriculum that consists of core cores, a special two-semester course in developmental systems, laboratory rotations, seminars, student research symposia, journal clubs, and thesis-related research.

**Qualifying Examination/Admission to Candidacy:** The written Ph.D. qualifying examination (preliminary examination) is generally taken at the end of the first year of full-time study, that is, in the spring semester of a student's first year. The examination consists of two parts: a written research proposal and an oral presentation of the proposal that is defended before a committee of three faculty members. Committee members are assigned to each student by the director of graduate studies, Ph.D. program, in collaboration with the instructors of record from Bio Core 3 and 4. The proposal may not be in the area of the student's thesis research. This examination tests the student's skills in scientific writing, reasoning, analysis and interpretation of data in the literature, integration of scientific concepts, and creativity in the design of new experiments.

By the end of the spring semester of their first year, doctoral students must secure a faculty sponsor and a thesis advisory committee of at least three faculty members from within the department who have formally agreed to supervise the dissertation research. A thesis proposal should be presented to the thesis advisory committee and defended orally before June 15 of the second year. When Ph.D. students pass their thesis proposal examination, they become Ph.D. candidates.

**Richard L. Borowsky,** Professor. Ph.D. 1969, M.Phil. 1967, Yale; B.A. 1964, Queens College (CUNY). The evolution and genetics of cave fish with an emphasis on understanding the molecular and developmental bases of adaptation and the “eyeless” condition.

**Suse Broyde,** Professor. Ph.D. 1963 (physical chemistry), Polytechnic (Brooklyn); B.S. (chemistry) 1958, City College (CUNY). DNA damage induced by environmental and endogenous carcinogens, mutagenesis and repair.

**Jane Carlton,** Professor. Ph.D. 1995 (parasite genetics), B.Sc. 1990 (genetics), Edinburgh. Comparative genomics of eukaryotic microbes (protists); genomics and global public health.

**Carlos Carmona-Fontaine,** Assistant Professor. Ph.D. 2010 (cell and developmental biology), University College, London; B.Sc. 2005 (biology), Pontificia Universidad Catolica de Chile. Multicellular organization in health and disease; cell biology; cancer and developmental biology; social behaviors in cells.

**Michael J. Carrozza,** Clinical Associate Professor. Ph.D. 1999 (biochemistry and virology), B.S. 1989 (microbiology), Pittsburgh. Chromatin and transcription; DNA damage and repair.

**Lionel Christiaen,** Associate Professor. PhD 2004. (molecular and cellular developmental biology), Paris XI; BS 1997, Ecole Normale Superieure Paris VI. Transcription, migration, heart, head muscles, actin dynamics, vesicle trafficking, cell polarity, cell-cell communication, asymmetric cell divisions.

Doctoral Dissertation: The plan of study and the dissertation research are formulated in consultation with the faculty sponsor and the research advisory committee. The dissertation must represent original, independent research in a significant area of biology at a level comparable to research published in recognized journals or as professional monographs. When the dissertation is completed and has been approved by the sponsor and by the research advisory committee, the candidate defends the results of the research before a faculty committee and invited outside examiners with expertise in the field of research. No less than six months may lapse between the oral proposal examination and the dissertation defense.

FACILITIES
The department currently occupies open-plan “loft” style research space in the Brown Building (floors 7, 8, 9, and 10) as well as state-of-the-art facilities in the Center for Genomics and Systems Biology located at 12 Waverly Place. The Genome Center features 6 floors of research space, a dedicated floor which houses Sequencing and Genomics Core facilities, a rooftop greenhouse, and basement growth and environmental chambers. All spaces are fully equipped to conduct contemporary biological research and our open floor plan promotes a spirit of collaboration and interactions within the Department.

The Center for Genomics and Systems Biology highlights the Department’s area of growth and development, which draws on the complementary strengths of faculty in the Department of Biology and the Courant Institute of Math & Computer Science. The mission of our Center is to investigate biological regulatory mechanisms and their evolution at the level of systems and networks. The intellectual platform onto which this vision rests is to reconcile the level of molecular conservation at the genome & systems level with the dramatic diversity of life.

COURSES
Bio Core 1: Molecular Systems
BIOL-GA 1001 Li, Hochwagen. 4 points. 2017-18, 2018-19
This intensive team-taught core course surveys the major topics of up-to-date molecular and cellular biology, starting with molecular structure and function of proteins and polynucleic acids and ending with genetics, systematic, and genomics. Each module is taught by biology faculty with expertise in this area. This course is open to all graduate and undergraduate Biology students.

Bio Core 2: Cellular Systems
BIOL-GA 1002 Mogilner, Mazzoni. 4 points. 2017-18, 2018-19
This intensive team-taught core course surveys the major topics of modern biology, including cell biology, developmental genetics, plant biology, neurobiology, population genetics, evolution, and systems biology. The course is designed to build on and incorporate the molecular/cell focus of the preceding course (Bio Core 1). Each module is taught by biology faculty with expertise in each area. This course is open to all graduate and undergraduate Biology students.

Claude Desplan, Professor (Biology, Neural Science; Silver Professor). Ph.D. 1983 (biochemistry), Paris VII; Agrégation 1975 (physiology and biochemistry), Ecole Normale Supérieure (Saint Cloud). Genetic and Mechanistic approaches to development from the early embryo to the Drosophila visual system.


Sevinc Ercan, Associate Professor. Ph.D 2005 (biochemistry and molecular biology), Pennsylvania State; BS 1999, Bilkent University. Developmental genomics; epigenetics; chromatin.


Nataliya Galifianakis, Clinical Assistant Professor. Ph.D. 1997 (physiology/neuroscience), Bogomoletz Institute of Physiology, National Academy of Sciences of Ukraine; M.S. 1994 (physiology), Taras Shevchenko National University of Kyiv, Ukraine. Cellular metabolism, nutrition and autoimmunity.


Programming for Biologists
BIOL-GA 1007 Parker. 4 points. 2017-18, 2018-19
Provides introductory theory and hands-on training in bioinformatics. Students are introduced to the Linux operating system and basic computer programming skills (Perl and Bioconductor). Topics covered: biological databases, pairwise and multiple sequence alignment, BLAST and related algorithms, sequence motifs, Hidden Markov Models, gene expression analysis, and resources for functional associations (gene ontology, pathways and networks).

Biological Databases & Datamining
BIOL-GA 1009 Katari, Parker. 4 points. 2017-18, 2018-19
Provides students with the skills to integrate the different types of biological data and databases and learn how to mine them. Students will learn to create their own database using MYSQL and SQLite containing different types of biological data and then use packages available in the programming language R to mine them. To mine the heterogeneous biological data, students will use machine-learning methods such as Support Vector Machines and Multiple Regressions on experimental data in order to classify and predict gene function and regulation.

Advanced Immunology
BIOL-GA 1011 Reiss. 4 points. 2017-18, 2018-19
Introduction to immunology and its literature. Focuses on the mechanisms that govern the immune response and also trains students in reading and evaluating primary research articles that are published in peer-reviewed journals.

Cornerstones of the Central Dogma
BIOL-GA 1022 Prerequisites: Bio Core I or Molecular and Cell Biology II or permission of the instructor. Smith. 4 points. 2017-18, 2018-19
A scientific paper can create or revolutionize an entire field. We will critically evaluate papers that made a lasting impact on molecular biology, with a focus on the methodological innovation and scientific rigor underlying these seminal works. The emphasis will be on fundamental biological questions, experimental design, and data interpretation.

Hot Topics in Infectious Diseases
BIOL-GA 1023 Reiss. 4 points. 2017-18, 2018-19
The relationship between microbial pathogens and their human hosts is continuously changing. Although our immune system has become extremely sophisticated throughout evolution, microbes are also evolving at a fast rate to overcome host defenses. The development of techniques, such as sanitation and vaccination, and the discovery of antimicrobial drugs, such as antibiotics, has revolutionized medicine. However, even though some infectious diseases have been eradicated (e.g., small pox), others that were on the verge of extinction are re-emerging (e.g., TB) and new ones have gained prominence (e.g., AIDS). This course is designed as a detailed survey of some of the most important human pathogens. It investigates these agents in detail and includes the most cutting edge basic research findings as well as epidemiology, treatment and prevention of infections.


Andreas Hochwagen, Assistant Professor. Ph.D. 2006 (cell biology), Massachusetts Institute of Technology; M.Sc. 2000 (chemistry), Vienna. Chromosome structure and checkpoint regulation in meiosis.


Mary Killilea, Clinical Associate Professor. Ph.D. 2005 (environmental information science), Cornell; M.S. 1999 (ecology), SUNY (College of Environmental Science and Forestry); B.A. 1994 (environmental studies), SUNY (Binghamton). Use of GIS, remote sensing and modeling to explore spatial and temporal variability in ecosystems.


Fei Li, Associate Professor. Ph.D. 2002, Texas (Austin); M.S. 1996, Louisiana (Monroe); B.S. 1991, Sichuan. Epigenetics, epigenomics, chromatin.

**Special Topics in Physiology: Metabolic Disorders**

BIOL-GA 1031  
Prerequisite: college courses in introductory biology.  
Galifianakis.  
4 points.  2017-18, 2018-19

Designed for students with a background in mammalian physiology. Topics include reproduction biology, regulation of ion and water excretion, maintenance and control of cardiovascular function, and respiratory physiology.

**Protein Biochemistry**

BIOL-GA 1045  
Prerequisites: Bio Core I or Molecular and Cellular Biology II, and a basic understanding of chemistry.  
Hochwagen.  
4 points.  2017-18, 2018-19

Provides students with a firm and rigorous foundation in the principles of modern protein biochemistry. These concepts form the basis for many of the great mechanistic advances now being made in biology and the medical sciences. The course will discuss the fundamental processes that enable proteins to form complex biological structures, respond to the environment, catalyze chemical reactions and perform work. A strong emphasis will also be placed on the state-of-the-art experimental approaches driving the current revolution in biochemical research.

**Cell Biology—The Nucleus and Beyond**

BIOL-GA 1051  
Prerequisites: Bio Core I (for graduate students); Molecular and  
Cell Biology II (for undergraduates).  
Li.  
4 points.  2017-18, 2018-19

Examination of the molecular mechanisms underlying cell proliferation and differentiation. Five topics are chosen for discussion: signal transduction, regulation of cell cycle, cytoskeleton, cell-cell and cell-matrix interaction, and intracellular transport. The importance of these issues in the understanding of development, immunity, and cancer is emphasized.

**Principles of Evolution**

BIOL-GA 1069  
Prerequisite: genetics or permission of the instructor.  
4 points.  2017-18

Patterns of evolution and adaptation as seen in the paleontological record; speciation, extinction, and the geographic distribution of populations; the basics of population genetics and molecular evolution. Elements of numerical taxonomy and recent developments in phylogenetic systematics.

**Viral Diseases**

BIOL-GA 1080  
Prerequisites: basic course in molecular and cellular biology.  
Reiss.  
4 points.  2017-18, 2018-19

Details the molecular life cycles of viruses that infect mammalian cells. Topics covered include disease pathogenesis, immune evasion mechanisms, vaccination, and genetic immunization vectors.

**Genes and Animal Behavior**

BIOL-GA 1082  
4 points.  2018-19

Covers modern approaches to understanding animal behavior. Focuses on molecular and genetic approaches to dissecting neuronal function largely using model systems. Behaviors discussed include circadian rhythms, learning and memory, courtship and aggression. Concludes with a section on human behavioral genetics.
Neuroplasticity and Disease
BIOL-GA 1101 Azmitia. 4 points. 2017-18, 2018-19
Introductory survey of neuronal plasticity and the principles of neurobiology. Topics include development, memory, drug actions and brain dysfunction discussed from a cellular (neuron and glial) and molecular (neurotransmitter, receptors, growth, factors) perspective.

Laboratory in Molecular Biology I, II, III, IV
BIOL-GA 1122, 1123, 1124, 1125 Prerequisite: permission of the instructor. Must be taken in sequence. Kirov, Rushlow. 4 points each. 2017-18, 2018-19
Analyzes selective developmental systems using recombinant DNA techniques. Purification of nucleic acids from eukaryotes and prokaryotes; bacteria transformation; restriction enzyme analysis; immobilization of nucleic acids on nitrocellulose membrane; and DNA-DNA, DNA-RNA hybridization.

Bioinformatics and Genomes
BIOL-GA 1127 Bonneau. 4 points. 2017-18, 2018-19
The recent explosion in the availability of genome-wide data such as whole genome sequences and microarray data led to a vast increase in bioinformatics research and tool development. Bioinformatics is becoming a cornerstone for modern biology, especially in fields such as genomics. It is thus crucial to understand the basic ideas and to learn fundamental bioinformatics techniques. The emphasis of this course is on developing not only an understanding of existing tools but also the programming and statistics skills that allow students to solve new problems in a creative way.

Systems Biology
BIOL-GA 1128 Vogel. 4 points. 2015-16, 2016-17
Introduction to methods for acquiring and interpreting genomic and systems-level biological data. The course will begin with topics in genome-scale approaches; genome architecture and annotation of genomic DNA sequences; global analysis of RNA; phenomics, metabolomics, proteomics, glycomics, chemical genomics, and reverse genetics; gene ontology; and methods for data integration. The second half of the course will focus on systems biology, including introductions to network models (e.g., continuous and Boolean), network inference methods, network motifs and synthetic biological networks, and population-based approaches to systems biology including population genomics, quantitative genetics, and systems genetics. The course structure combines lectures and discussion of foundational literature.

Evolutionary Genetics and Genomics
BIOL-GA 1129 Prerequisites: permission of the instructor. Purugganan. 4 points. 2017-18
The genetic and genomic mechanisms underlying evolutionary change, including the genetics of adaptation and character regression; evolution of complex characters and traits such as organ systems, the senses, and patterns of behavior; methods for the study of quantitative trait locus (QTL) variation and multifactorial systems.

Neville Sanjana, Assistant Professor. Ph.D. 2010 (brain & cognitive Sciences), Massachusetts Institute of Technology; B.S. 2001 (symbolic systems), Stanford; B.A. (English), Stanford. Bioengineering, genomics, neuroscience, cancer biology, systems biology.


David A. Scicchitano, Professor. Ph.D. 1986 (physiology), Penn State; B.A. 1981 (chemistry), Susquehanna. The interaction of mammalian RNA polymerases with damaged sites in expressed genes.


Ignatius P. Tan, Clinical Professor; Head of Image Analysis Facility. Ph.D. 1997 (cell biology), Fordham; M.S. 1986 (bioengineer), Polytechnic (Brooklyn); B.A. 1981, St. Thomas. Gap junctions; characterization of gap junction proteins in spermatogenesis.

Daniel Tranchina, Professor (Biology, Mathematics, Neural Science). Ph.D. 1981 (neurobiology), Rockefeller; B.A. 1975 (neurobiology), SUNY (Binghamton). Computational neuroscience, phototransduction, stochastic problems in cellular and molecular biology, statistical analysis and modeling of genome-scale data.
Applied Genomics: An Introduction to Bioinformatics and Network Modeling
BIOL-GA 1130 Prerequisite: permission of the instructor. Gresham, Katari. 4 points. 2017-18, 2018-19
This course introduces fundamental methods of analyzing large data sets from genomics experiments. Through a combination of lectures, hands-on computational training, and in-depth discussions of current scientific papers, students learn the conceptual foundations of basic analytical methods, the computational skills to implement these methods, and the reasoning skills to read critically the primary literature in genomics. Analysis focuses on data from genome-wide studies of gene expression and from genome-wide studies of molecular interactions. Methods covered include clustering, multiple-hypothesis testing, and network inference. A large part of the course is dedicated to students completing an individual project that is tailored to meet their background and training.

Biophysical Modeling of Cells & Populations
BIOL-GA 1131 Kussell. 4 points. 2017-18, 2018-19
This course develops the biophysical approach to modeling biological systems, applied to classic problems of molecular biology, as well as to systems of recent interest. The course is organized in a bottom-up way, beginning with models of cooperativity in binding, of promoter recognition and activation, proceeding through models of simple and complex networks, and working towards a population-level description of various systems. Diverse examples will be used to illustrate key concepts in biological modeling, induction of the lac operon (mult-level modeling), phage lambda (host-parasite interaction), bacterial chemotaxis (robustness), circadian clock in cyanobacteria (oscillations), early Drosophila development (precision in noisy systems), patterning (reaction-diffusion systems), antibiotic persistence (population dynamics), and aging in bacteria (stochastic processes). Emphasis is placed on coarse-grained models that capture essential biology, and the course develops the relevant analytical techniques.

Genomic Innovation
BIOL-GA 1140 Prerequisite: permission of the instructor. Sanjana. 4 points.
2017-18, 2018-19
This course focuses on understanding the current landscape of genome science and building ideas and organizations to accelerate progress in technology innovation, scientific understanding and industrial applications of genomics. The course will introduce students to cutting-edge technologies and applications in genetics and genomics and their responsible use in science and society.

Bio Core 3: Molecules and Cells
BIOL-GA 2003 Open to Ph.D. students only. 4 points. 2017-18, 2018-19
This intensive team-taught course complements the lecture course Bio Core 1 by providing in-depth discussions of modern papers on topics related to those addressed in Bio Core 1, i.e., molecular structure and function of proteins and nucleic acids, gene expression as well as genetics and genomics. These discussions are led by a group of faculty who discuss papers in field of expertise. This course is exclusively for PhD students and is part of the suite of courses Bio Core 1-4.
Bio Core 4: Genes, Systems, and Evolution
BIOL-GA 2004 Open to Ph.D. students only. 4 points. 2017-18, 2018-19
This intensive team-taught course complements the lecture course Bio Core 2 by providing in-depth discussions of modern papers on topics related to those addressed in Bio Core 2, i.e., cell biology, development and neural systems as well as population genetics and environmental systems. These discussions are led by a group of faculty who discuss papers in their field of expertise. This course is exclusively for PhD students and is part of the suite of courses Bio Core 1-4.

Genomics and Public Health
BIOL-GA 2015 Carlton. 4 points. 2017-18, 2018-19
This course describes the developing relationship between genomics and genomic technologies with the health of populations in a global context. Topics covered include genomic technologies and their applications, genetic epidemiology, the human microbiome, infectious disease genomics, and the ethical, legal and social implications of genomics. The course consists of lectures, group discussions focused on current scientific papers, guest seminars, and a hands-on sequencing workshop. Students will leave the course with an increased awareness of how sequencing of microbes, parasites and human genomes helps develop better diagnostics and therapies and a greater understanding of human health globally.

Structure-Function Relationships in Cellular Macromolecules
BIOL-GA 2017 Prerequisites: college-level molecular and cell biology or biochemistry, physics, general chemistry, and organic chemistry. Broyde. 4 points. 2015-16, 2016-17
Cellular macromolecules, particularly nucleic acids and proteins, are the key molecules that provide cells with functional diversity. The nucleic acids DNA and RNA act as the informational storage and transmission molecules of cells, while proteins execute and regulate most cellular activities and provide crucial structural elements. The tools of the biochemist and molecular biologist have provided scientists with unprecedented structural detail of these macromolecules, so much so that an understanding of the critical relationships between macromolecular structure and macromolecular function can now be made. This course emphasizes key structure-function relationships for DNA, RNA, and proteins. The detailed structures of these molecules are examined; important methods and tools used to elucidate their structural elements are described; and the relationship between microstructure and function are emphasized.

Statistics in Biology
BIOL-GA 2030 Tranchina. Parker. 4 points. 2017-18, 2018-19
This advanced course covers both classical and modern statistical methods. Areas covered include statistical inference, experimental design, parametric and non-parametric statistical tests, resampling, and permutation methods, Monte Carlo simulations, maximum likelihood methods, Bayesian methods, topics in bioinformatics such as microarray analysis and RNA-seq analysis. No previous background in statistics is required. This is a hands-on course held in a computer lab in which each student has his/her own computer. The course includes instruction in the public-domain statistical programming language/environment R, which is widely used in bioinformatics, genomics, and systems biology. Analyses
are based on data from the textbook, simulated experimental data, and data from laboratories in the Biology Department.

**Statistical learning from large-scale biological data**

BIOL-GA 2031  *Prerequisite: permission of instructor. Satija. 4 points. 2017-18, 2018-19*

Next-generation sequencing has led to the rise of large and noisy biological datasets, which require increasingly advanced analytical methods to glean biological insights. This course aims to enable students to analyze diverse types of genomic data, ranging from studies focused on human genetics (i.e., Genome-wide association studies) to functional genetics (i.e., ChIP-seq or RNA_seq, extending even to the single cell level).

**Developmental and Stem Cell Systems I, II**

BIOL-GA 2130, 2131  *Open only to Ph.D. students in Biology or Sackler. Prerequisite: permission of the instructor. Staff. 4 points per term. 2017-18, 2018-19*

Explores fundamental questions, concepts, and methodologies of modern inquiry into the genetic and epigenetic mechanisms of development through lectures, readings in the primary literature, and laboratory work. Topics include embryonic axis determination, region-specific gene expression, cell specification through cell-cell interaction, gastrulation, and organogenesis.

**The Art of Scientific Investigation**

BIOL-GA 3001  *Kassell. 2 points. 2017-18, 2018-19*

This course helps equip Ph.D. students with the skills to be effective communicators of science. Students learn about writing papers and grants, giving seminars and communicating with non-specialist audiences in practical exercises. The ethical conduct of research is also discussed.

**Predoctoral Colloquium: Graduate Student Seminar**

BIOL-GA 3015  *Open only to Ph.D. students. 2 points. 2017-18, 2018-19*

Students gain experience in the preparation and presentation of formal scientific seminars.

**NYU-STEP Individual Development Plan**

BIOL-GA 3025  *Open to 2nd or 3rd year PhD students in the Biology, Chemistry, Neural Science, and Psychology Departments. 1 point. 2017-18, 2018-19*

An introduction for doctoral trainees to explore their interests, strengths, goals and career options.

**Predoctoral Colloquium: Laboratory Rotation**

BIOL-GA 3034, 3035  *Open only to Ph.D. students. 2 and 4 points, respectively. 2017-18, 2018-19*

First term: Students attend orientation sessions with individual faculty to discuss current departmental research. Second term: Each student arranges to complete three projects (six to eight weeks in duration), each under the supervision of a different faculty member, in the department’s laboratories.
Research
BIOL-GA 3303, 3304  Prerequisite: permission of the sponsor. 1-6 points per term.
2017-18, 2018-19
Individual research projects carried out under the supervision of the faculty.

Reading
BIOL-GA 3305, 3306  Prerequisite: permission of the sponsor. 1-6 points per term.
2017-18, 2018-19
Reading and analysis of selected literature in a specific area of biology under the supervision of the faculty. Gives students intensive coverage of material that is appropriate for their individual research needs.
PROGRAMS AND REQUIREMENTS

Master of Science

Students must satisfactorily complete 32 points (minimum of 24 points while in residence at New York University) with a GPA of 3.0 or better and no single class grade below B-. Students are required to take a 0 point course CHEM-GA 2673, Professional Development, in the Sciences, during the first semester in residence.

Students may choose one of the two plans described below to graduate:

Plan 1) In the Thesis Masters path, students must prepare a dissertation based on original research using the NYU Dissertation formatting requirements accompanied by an oral examination and defense of this research in the major field (thesis masters). The Master’s Thesis Examination Committee consists of three members of the faculty (one must be the thesis advisor). The Master’s thesis defense consists of an oral presentation by the student, approximately 45-50 minutes in length, which is open to the public. A closed-door question-and-answer section by the Master’s Thesis Examination Committee immediately follows the public presentation.

Plan 2) Non-thesis Masters students must complete 30 points in graduate lecture courses and the mandatory 2 point course CHEM-GA 3010, Graduate Seminar, with a GPA of B (3.0) or better. In this seminar course, students must research an important topic of chemistry from the literature (the topic has to be agreed on by the instructor on record for the seminar course), identify 3-5 publications that describe cutting edge research in the chosen topic, prepare and present in a public setting a 45 minute seminar on the chosen topic followed by a question and answer session from the audience. This literature review followed by a public presentation is viewed as the capstone requirement for this plan.

Doctor of Philosophy

The Doctor of Philosophy is a research degree. It signifies that the recipient is able to conduct independent research and has both a broad basic knowledge of all areas of chemistry and a comprehensive knowledge of one field in particular.

Since graduate students arrive with a variety of backgrounds, some with M.S. degrees from other institutions in the United States and abroad, the program of courses for each student is designed in consultation with the director of graduate studies, taking each student’s specific background, experience, and interests into account.
Students must satisfactorily complete at least 72 points derived from courses and research, at least 32 of which must be taken in residence at New York University. 20 points of credit must be earned in actual course work maintaining a cumulative GPA of 3.0 or greater. A grade of B- or better in all classes is required to maintain in good standing in the program. All doctoral candidates are required to register for Professional Development in the Sciences, CHEM-GA 2673, during the first semester in residence, Graduate Seminar, CHEM-GA 3010, during the fall term of the second year, and to attend at least twenty colloquia presented by distinguished visiting scientists, at least ten prior to the qualifying exam and another 10 prior to the thesis defense. Students gain laboratory research experience in two groups during their first semester in residence. This laboratory experience provides student with direct exposure to techniques and methodology used in the various labs and helps them to choose a thesis adviser.

Students can select a research advisor at the end of the Fall semester in their first year of residency. Students are then required to submit their core dissertation committee (four faculty members) by the beginning of the fall semester of their second year. While the Graduate School of Arts and Science requires a minimum three-member core committee, the department requires a fourth core committee members. Prior to taking the dissertation evaluation exam, students must also choose a reader to serve as the fifth member of the dissertation committee.

The following examinations are required:

**Ph.D. Qualifying Exam:** This exam consists of both written and oral components. Students must present their up to date research before their core dissertation committee at the end of their second year in residence.

**Research Progress Meeting:** Students are required to arrange a 30 minute presentation before their core dissertation committee. The purpose of this meeting is to ensure that each student’s dissertation project is on a track that will allow the student to complete the dissertation within the typical span of five years. This exam takes place during the student’s fourth year.

**Dissertation Evaluation Exam:** The exam is held before the final five dissertation committee members. This is a two part exam. Part one consists of a 30 minutes oral research presentation given by the student. An evaluation is conducted by the student’s dissertation committee members to ensure that the student is ready to defend and earn a Ph.D. Part two consists of both written and oral components. The exam provides an opportunity for the student to demonstrate proficiency in the design, planning and communication of an original research problem.

**Dissertation:** This exam consists of written and oral presentation before the student’s dissertation committee members and it is open to the chemistry community. The exam is approximately 45-50 minutes in length. The exam is judged on a pass/fail basis.

**Doctoral Thesis:** The heart of the doctoral program is the research leading to the preparation of the doctoral dissertation or doctoral thesis. The accumulation of high grades in formal courses, while important, is secondary to the demonstration

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**Nicholas E. Geacintov,** Professor. Ph.D. 1961 (physical and polymer chemistry), M.S. 1959 (physical and polymer chemistry), B.S. 1957 (physical and polymer chemistry), Syracuse.

Physical and biophysical chemistry; interaction of polycyclic aromatic carciogens with nucleic acids; laser studies of fluorescence mechanisms and photoinduced electron transfer.


NMR spectroscopy, imaging, and microscopy; theory and applications in materials sciences, biophysics, and quantum computation.


Chemical crystallography, growth mechanisms, and structures of imperfect crystals; chiroptics of organized media; differential polarization imaging; polycrystalline pattern formation.

**Neville R. Kallenbach,** Professor. Ph.D. 1961 (physical chemistry), Yale; B.S. 1958 (chemistry and mathematics), Rutgers.

Protein structure, function, stability and folding; properties of alpha helical coiled coils; design of antimicrobial peptides and mimetics.

**Kent Kirshenbaum,** Professor. Ph.D. 1999 (chemistry), California (San Francisco); B.A. 1994 (chemistry), Reed College.

Bioorganic chemistry; biomimetic chemistry; protein conformation and dynamics; macromolecular design.

**Lara K. Mahal,** Professor. Ph.D. 2000 (organic chemistry), California (Berkeley); B.A. 1995 (chemistry), California (Santa Cruz).

Chemical biology; bioorganic chemistry;
of a capacity for original thinking and the completion of an investigation that
contributes significantly to chemical knowledge. When the thesis is finalized, it is
read by the core dissertation committee and one additional faculty member who is
referred to as reader. All dissertation committee members must approve of the final
version of the thesis prior to the public defense.

COURSES

Chemistry of the Transition Metals
CHEM-GA 1113  4 points. 2017-18, 2018-19
Study of the inorganic elements, concentrating on the transition metals, in which
the structure of their compounds, spectra, and reactivity is discussed in light of
recent advances in both theory and experiment. The importance of the inorganic
elements in such fields as biochemistry and catalysis is discussed.

Organic Reactions
CHEM-GA 1311  4 points. 2017-18, 2018-19
Survey of the major classes of organic reactions, reagents, mechanisms, stereo-
chemistry, and protecting groups. Discusses the origins of chemoselectivity,
regioselectivity, and stereoselectivity and the planning of organic synthesis.

Synthetic Organic Chemistry
CHEM-GA 1313  4 points. 2017-18, 2018-19
Structure and bonding in organic molecules, including MO calculations, pertur-
bation methods, and aromaticity; stereochemistry and conformational analysis;
pericyclic reactions; thermochemistry and kinetics; transition state theory and
activation parameters; acids and bases; and methods for the determination of
mechanisms.

Supramolecular Chemistry
CHEM-GA 1315  4 points. 2017-18, 2018-19
Molecular recognition in the context of organic and biological molecules.
Emphasis will be on the understanding of weak forces that dictate self-assembly,
and intra- and intermolecular interactions. Physical organic and biophysical
methods are introduced as necessary.

Macromolecular Chemistry
CHEM-GA 1815  4 points. 2017-18, 2018-19
Structural chemistry of macromolecules, including vector analysis, symmetry,
crystallography, DNA, RNA, and virus structure.

Advanced Biophysical Chemistry
CHEM-GA 1818  4 points. 2017-18, 2018-19
Three advanced topics in biophysical chemistry are discussed: electron transfer
theory and its application to electron transfer in biology; statistical mechanics of
biopolymers; and protein-DNA interactions with emphasis on DNA repair
enzymes.

organic chemistry; analyzing the role of
 carbohydrates in biology and medicine
using molecular and systems-based
approaches.

Barry Rugg, Associate Professor. Ph.D. 1972
(chemical engineering), M.S. 1967 (chemical
engineering), B.S. 1965 (chemical engineer-
ing), New York.
Development of chemistry teaching
programs.

Stefano Sacanna, Assistant Professor. Ph.D.
2007 (chemistry), Utrecht (Netherlands),
M.S. 2003, (industrial chemistry) Bologna
(Italy).
Nanoscience, colloidal chemistry,
microscopy.

Tamar Schlick, Professor, Chemistry,
Computer Science, Mathematics. Ph.D.
1987 (applied mathematics), M.S. 1985
(mathematics), New York; B.S. 1982
(mathematics), Wayne State.
Computational chemistry and biology;
molecular dynamics; simulations of pro-
teins and nucleic acids; DNA supercoiling;
protein folding; DNA/protein interactions;
polymerase mechanisms.

Nadrian C. Seeman, Professor. Ph.D.
1970 (biochemistry and crystallography),
Pittsburgh; B.S. 1966 (biochemistry),
Chicago.
Structure and topology of branched,
knoted, and catenated DNA molecules, as
they relate to genetic recombination and to
nanotechnology.

Nathaniel J. Traaseth, Assistant Professor.
Ph.D. 2007 (physical chemistry), Minnesota;
B.S. 2003 (Biochemistry/Molecular
Biology), Minnesota.
Biophysical chemistry, transport mecha-
nism of membrane proteins, determination
of their structure by nuclear magnetic
resonance (NMR) spectroscopy.

Dirk Trauner, Janice Cutler Chair,
Professor, Ph.D. 1997(“Summa Cum
Laude”). University of Vienna, Austria.
Chemical Synthesis, natural product
chemistry, neuroscience, cell biology and
photopharmacology.

Mark Tuckerman, Director of Graduate
Studies, Professor. Ph.D. 1993 (physics),
Columbia; B.S. 1986 (physics), California
(Berkeley).
Molecular Biochemistry
CHEM-GA 1883  4 points. 2017-18, 2018-19
Introduction to the classes of biomolecules and the roles they play in life processes. Emphasis on sequence-structure-function relationships of biomolecules and the flow of information at the molecular level within the cell.

Special Topics in Organic Chemistry
CHEM-GA 2262  4 points. 2017-18, 2018-19
Topics of current interest in organic chemistry are covered in depth. Topics such as nanoscience, mass spectrometry, nuclear magnetic resonance, and infrared spectroscopy are addressed through a problem-solving approach; topics from current literature and research areas complement the core courses.

The Science of Materials
CHEM-GA 2400  4 points. 2017-18, 2018-19
A comprehensive foundation course that addresses basic concepts of materials science. Topics include bonding forces, crystal structures, defects, X-ray diffraction, solid-state phase diagrams, crystallization mechanisms, diffusion in solids, and mechanical, electrical, optical, and magnetic properties. Classes of materials include metals, ceramics, polymers, liquid crystals, and organic crystals.

Polymer Chemistry
CHEM-GA 2420  4 points. 2017-18, 2018-19
An introduction to the major concepts in polymer chemistry, such as polymerizations and reactions of polymers.

Statistical Mechanics
CHEM-GA 2600  4 points. 2017-18, 2018-19
Introduction to the fundamentals of statistical mechanics. Topics include classical mechanics in the Lagrangian and Hamiltonian formulations and its relation to classical statistical mechanics, phase space and partition functions, and the development of thermodynamics. Methods of molecular dynamics and Monte Carlo simulations are also discussed.

Computational Chemistry
CHEM-GA 2627  4 points. 2017-18, 2018-19
An introduction to molecular modeling and simulation with the goal of assisting students to develop a practical understanding of computational methods.

Quantum Chemistry and Dynamics
CHEM-GA 2666  4 points. 2017-18, 2018-19
Representation theory, time-dependent and time-independent perturbation theory, rotational and vibrational levels in molecules, many-electron systems, interaction of electric and magnetic fields with atoms and molecules, quantum treatment of many-electron systems, and techniques of quantum chemistry.

Theoretical statistical mechanics and methodology of classical and ab initio molecular dynamics; applications to biological and materials sciences, including hybrid organic/semiconductor structures, proton transport, conformational equilibria of macromolecules, drug-enzyme interactions, and compound design.

Sustainable energy; Many-body interactions; Quantum effects in biological systems; Spectroscopy of excitonic systems; multidimensional optical spectroscopy.

Marc Anton Walters, Associate Professor. Ph.D. 1981 (chemistry), Princeton; B.S. 1976 (chemistry), City College (CUNY).
Bioinorganic chemistry; study of redox potentials in electron transfer proteins; noncovalent influence on the modulation of the redox potentials.

Nanoscience and materials design; synthesis/assembly of organic molecular crystals; hydrogen-bond networks; crystal growth, atomic force microscopy.

Marcus Weck, Professor. Ph.D. 1999 (chemistry), California Institute of Technology; M.S. 1994 (chemistry), Mainz.
Organic and polymer chemistry, nanoscience, biomaterials, catalysis, supramolecular chemistry, materials science.

Development of new stereoselective carbon-carbon bond-forming processes and employing these methods in organic synthesis. Interest to proceed by unique reaction mechanisms and display useful stereoselectivities.

Special Topics
CHEM-GA 2672  4 points. 2017-18, 2018-19
1) This course is full-scale introduction to computational chemistry and molecular modeling, including special topics on computational-aided drug design. 2) To assist the student in developing a practical understanding of computational methods (strengths, limitations, applicability). 3) To assist the student in developing competence in applying these computational methods to molecular modeling.

Professional Development in the Sciences
CHEM-GA 2673  0 points. 2017-18, 2018-19
This class centers prepares students to be successful at NYU, in their field and in their future employment. In detail, students enrolled in this class are a) being introduced to the workings of NYU, 2) learn about the ethics of carrying out research, 3) learn how to publish scientific results, 4) are being introduced to effective teaching techniques, 5) learn how to apply for funding and fellowships, 6) are being familiarized with the safety procedures in chemical lab settings, and 7) are being introduced to career paths past their degree.

Bioorganic Chemistry
CHEM-GA 2884  4 points. 2017-18, 2018-19
Covers a broad range of topics at the interface between organic chemistry and biology, based on the most recent advances in bioorganic chemistry, chemical biology functional genomics, and molecular evolution.

Research
CHEM-GA 2931, 2932  1-12 points per term. 2017-18, 2018-19

Graduate Seminar
CHEM-GA 3010  2 points. 2017-18, 2018-19
Students enrolled in this course (1) learn how to give a presentation understandable to an audience of their peers, many of whom work in a different area of specialization; (2) learn how to evaluate presentations given by their peers both within and outside their area of specialization; (3) gain exposure to a broad range of scientific topics and presentation styles; and (4) have the opportunity to attend presentations by external speakers to broaden exposure to various topics and professional presentation styles.

Theoretical studies of molecular collision dynamics; chemical reactions in the gas phase and on surfaces.

Yingkai Zhang, Associate Professor; Ph.D. 2000 (computational and theoretical chemistry), Duke; B.S. 1993 (chemistry), Nanjing.
Computational biochemistry and biophysics: multiscale modeling of biological systems, enzyme catalysis, and biomolecular recognition.

FACULTY MEMBERS
NYU ABU DHABI
Shady Amin, Assistant Professor; Maria Baias, Assistant Professor; Timothy Dore, Associate Professor; Serdal Kirmizialtin, Assistant Professor; Pance Naumov, Associate Professor; Wael Rabeh, Assistant Professor; Ali Trabolsi, Assistant Professor.

FACULTY MEMBERS IN COMPUTATIONAL CHEMISTRY SHANGHAI
John Zenghu Zhang, Director, NYU-ECNU Center, Professor; William Glover, Assistant Professor.

AFFILIATED FACULTY IN CHEMISTRY SHANGHAI
Zlatko Bacic, Professor in Chemistry NYU/ NY; Xiao He, Professor; Jungsseong Kang, Assistant Professor; Ye Mei, Professor; Yifei Qi, Research Associate Professor; Mark Tuckerman, Professor; Yun Xiang, Associate Professor; Tong Zhu, Associate Professor; Gang Fang, Assistant Professor; Changge Ji, Associate Professor; Zonghua Liu, Professor; Yan Mo, Lecturer; Tamar Schlick, Professor; Fei Xia, Associate Professor; Yingkai Zhang, Professor.

AFFILIATED FACULTY
Suse Broyde, Professor, Biology;
John Evans, Professor, Basic Science, Craniofacial Biology, Yu-Shin Ding, Professor, Psychiatry, Radiology.

FACULTY EMERITI
Paul J Gans, Professor; Jules Moskowitz, Professor; Martin Pope, Professor; David I. Schuster, Professor.
PROGRAMS AND REQUIREMENTS

Master of Arts

The M.A. program is a self-contained curriculum that provides the student with an advanced course of study in the history, theory, and criticism of film and the moving image. Students also have the opportunity to pursue internships for credit at film libraries and archives in the city or in the film and media industries in order to further their professional development. Many lecture classes are offered in the evening for the convenience of working students. Graduates of the program have gone on to successful careers as film curators, programmers, preservationists, critics, and educators as well as filmmakers, screenwriters, and industry professionals.

Although instruction, administration, and financial aid are provided by the Tisch School of the Arts (TSOA), graduate degrees in cinema studies are conferred by New York University through the Graduate School of Arts and Science (GSAS). Admission is granted by both schools. Applicants must submit a full application, transcripts, and three letters of recommendation. In addition to materials required by the Tisch Office of Graduate Admissions, the applicant should send the following: (1) A written sample (10-20 pages) of the applicant’s work. This need not be on a film subject. However, a humanities paper is preferred to a science paper. The paper (more than one may be submitted) is evaluated for the potential it shows. (2) A short essay (500 words) describing the applicant’s educational goals. This essay should include how one’s experience, whether in school or out, relates to one’s goals as a student in the Department of Cinema Studies. All material—application forms, letters of recommendation, transcripts, and essays—should be sent to the Office of Graduate Admissions, Tisch School of the Arts, New York University, 726 Broadway, 2nd Floor, New York, NY 10003-6807. (Please note that the GSAS application is not acceptable, and all applicants must use the TSOA application.) An application is not complete until all the above required materials have been submitted. It is the applicant’s responsibility to ensure that the appropriate documents are received as quickly as possible.

Students must complete 36 points, of which 32 points must be taken in the department; 4 points of graduate credit may be transferred from another department or institution, with permission of the chair, if these points are not counted toward another graduate degree. Required courses are (1) Film Form...
and Film Sense, CINE-GT 1010, (2) Film Theory, CINE-GT 1020, and (3) either Film History and Historiography, CINE-GT 1015, or Television: History and Culture, CINE-GT 1026. Students with substantial academic training in any of these areas of study may request a waiver on a course-by-course basis. Independent study CINE-GT 2900-2905 and Cinema Studies Internship CINE-GT 2950, 2952 credits may not exceed a combined 8 points.

Students must pass a comprehensive examination, which is administered thrice yearly, in November, March, and July. The examination may be taken on completion of 24 points of course work but no later than a semester after the completion of 36 points of course work. The comprehensive examination is a take-home examination consisting of five questions, of which the student must answer two. The questions are drawn from the total course of study as well as from material on the M.A. comprehensive exam filmography and bibliography, lists of important works provided by the department. Students have one week to complete the exam. Students who fail the exam may retake it once. Students are notified by mail of the exam results. The master’s degree must be completed within five years of matriculation.

**Doctor of Philosophy**

Although instruction, administration, and financial aid are provided by the Tisch School of the Arts (TSOA), graduate degrees in cinema studies are conferred by New York University through the Graduate School of Arts and Science (GSAS). Admission is granted by both schools. Applications are processed by the Tisch School of the Arts. Applicants must submit a full application, transcripts, three letters of recommendation, and GRE scores. In addition to materials required by the Tisch Office of Graduate Admissions, the applicant should send the following: (1) A written sample (10-20 pages) of the applicant’s work. This need not be on a film subject. However, a humanities paper is preferred to a science paper. The paper (more than one may be submitted) is evaluated for the potential it shows. (2) A short essay (500 words) describing the applicant’s educational goals. This essay should include how one’s experience, whether in school or out, relates to one’s goals as a student in the Department of Cinema Studies. All material—application forms, letters of recommendation, transcripts, and essays—should be sent to the Office of Graduate Admissions, Tisch School of the Arts, New York University, 726 Broadway, 2nd Floor, New York, NY 10003-6807. Please note that the GSAS application is not acceptable, and all applicants must use the TSOA application.

An application is not complete until all the above required materials have been submitted. It is the applicant’s responsibility to ensure that the appropriate documents are received as quickly as possible.

The Ph.D. program prepares students to develop teaching competence and to pursue research in cinema and media studies. The curriculum draws on the methods of a number of disciplines, including art history, cultural studies, American studies, psychoanalytic theory, and philosophy and involves intensive study of film and media history, films and theories of culture and society.
seminar-level study in film theory, history, and research methods. Graduates of the program have gone onto positions of academic leadership in the field. The Doctor of Philosophy degree is conferred for advanced studies in which the student demonstrates outstanding original scholarship. It signifies the student can conduct independent research and has both a broad basic knowledge of all areas of his or her field and a comprehensive knowledge of one field in particular. A doctoral candidate must complete all requirements no later than ten years from matriculation or seven years from the time of his or her matriculation if the candidate holds a master’s degree.

Students must complete a total of 72 points; three qualifying exams; a foreign language requirement; an oral defense of a dissertation proposal; a doctoral dissertation; and a dissertation defense open to faculty and students. Students are permitted to take up to two classes outside the department or as independent study. A student interested in independent study must obtain approval from a full-time faculty member after submitting a statement of purpose and a proposed bibliography. In the first year of the program students take three courses, including Ph.D. Research Methodologies CINE-GT 2601, in the fall and two courses and the first qualifying exam in the spring. The second qualifying exam will be taken in the summer of the first year. In the second year students take two courses in the fall, one of which will be a directed reading in the dissertation topic area and two courses in the spring, including Dissertation Seminar CINE-GT 3902. After completing their dissertation proposal, students sit for a proposal defense.

As outlined above, each student must pass three exams: one in the field of film/culture/media theory, one in the field of film/media history, and one in a third area drawn from the existing exam offerings or drawn up in consultation with the student’s faculty adviser as a special area of study that relates to the student’s proposed dissertation topic. The theory exam areas include gender, sexuality, and representation; race, nation, and representation; cultural theory; media theory; theory of narrative and genre; theory of sound and image. The history/historiography exam areas include the following options: American film—1895 to 1929, American film—1927 to 1960, or American film—1960 to the present; history of French film; history of Italian film; history of Japanese film; history of Soviet and post-Soviet film; history of German film; history of the international avant-garde; history of documentary film; history of Latin American film; history of British film. Two exams are take-home exams. The take-home exam consists of six questions, of which three are to be answered in the form of a 10-page essay per question. The student has one week to complete the take-home exam. Each subject area is offered for examination once a year either in the spring or summer semester. The third area exam is an oral exam. Students will be questioned in their third area during the dissertation proposal defense meeting. A schedule of the areas offered in a particular semester is available from the department at the beginning of each academic year. Exams are graded by three faculty members. The student receives a grade of high pass, pass, low pass or fail. If a student fails an examination, the exam in the same subject area must be taken the next time it is offered. Upon failing an exam in any one area twice, the student must leave the Ph.D. program.

Chris Straayer, Associate Professor. Ph.D. 1988 (radio, television, and film), Northwestern; M.A. 1979 (feminist studies). Film theory; sex and gender; video art; queer theory.

Dan Streible, Associate Professor. Ph.D. 1994, M.A. 1987, Texas (Austin); A.B. 1984, North Carolina (Chapel Hill). History of cinema; moving image archiving and preservation; nonfiction film and video; orphan films.


FACULTYemeriti

Annette Michelson, Professor Emeritus

AFFILIATED FACULTY IN OTHER DEPARTMENTS

Sherli Antonio. Film & Television, Art & Public Policy; Ruth Ben-Ghiat, Italian Studies; John Canemaker, Film & Television; Ludovic Cortade, French; Kenneth Dancyger, Film & Television; Tejaswini Ganti, Anthropology; Faye Ginsburg, Anthropology; Mikhail lampolski, Russian & Slavic Studies, Comparative Literature; Susan Murray, Media, Culture, & Communication; S. S. Sandhu, English, Social & Cultural Analysis; Richard Sieburth, French, Comparative Literature; Nicole Starosielski, Media, Culture, & Communication; Marita Sturken, Media, Culture, & Communication; Angela Zito, Anthropology, Religious Studies

VISITING FACULTY

The department regularly invites faculty to teach courses. Visiting faculty have included Michael Atkinson, William Boddy, Claudia Calhoun, Richard Dyer, Thomas Elsaesser, Luke Gibbons, Christine Gledhill, Sid Gottlieb, Klemens Gruber, Tom Gunning, Marina Hassapopoulos, Kyoko Hirano,
A student must demonstrate proficiency in one foreign language. Six languages are accepted toward fulfilling the Ph.D. language requirement: Chinese, French, German, Italian, Russian, and Spanish. Students already proficient in a language other than English may request an exemption from this requirement from the director of graduate studies. Language proficiency may be demonstrated by any of the following: (1) passing the foreign language proficiency examination given by the Graduate School of Arts and Science; (2) passing a departmental examination; or (3) completing, or having completed not more than two years before matriculation, a full or final intermediate-level college course in the language with a transcript grade of B or better. School of Professional Studies (SPS) courses do not satisfy this requirement.

Ph.D. students are advised by the director of graduate studies or chair of the department until such time as they select their dissertation adviser. Ph.D. students should select their dissertation adviser no later than their fourth semester of Ph.D. course work. The committee chair must be a full-time faculty member of the Department of Cinema Studies or, in the exceptional case, an affiliated NYU faculty member approved by the chair. Each student must select two faculty members to serve as members of the core committee alongside his or her adviser. Students must select two additional readers for the examining committee soon after their core committee is in place. The examining committee consists of five members: the student’s core committee and two additional readers. At least three members of the examining committee must be graduate faculty of New York University. Advance approval by the dissertation adviser and the Graduate School of Arts and Science is necessary for any non-NYU member. No student should begin the final draft of the dissertation until he or she has consulted (in person, except in extraordinary circumstances) with all three of the core members of his or her dissertation committee. Where possible, core members should receive a copy of each chapter of the dissertation as it is drafted.

All Ph.D. students must take Dissertation Seminar, CINE-GT 3902, in their fourth semester of Ph.D. course work. This seminar is used to develop the dissertation proposal that is defended in the Ph.D. oral defense. The dissertation proposal consists of a document of no more than 40 pages that outlines in detail the candidate’s proposed area of study. It should include (1) an outline of the research to be undertaken; (2) a statement of the project’s contribution to the field in the context of a brief review of the literature; (3) an outline of the method to be used; (4) a statement of how the candidate intends to complete the research; and (5) a chapter-by-chapter breakdown of the project. A 250-word abstract and a bibliography and filmography must be attached to the proposal. In the latter part of their fourth semester of Ph.D. course work, students sit for an oral defense conducted by a faculty evaluation committee. In this defense, students are questioned on their dissertation proposal as well as questioned for the third area oral exam. If a student fails the oral defense, she or he will have the opportunity to sit again for it in the next semester. The oral defense must be successfully completed before a student may begin writing the dissertation and in order for a student to be eligible to receive third year funding. All students must have their
dissertation proposal approved by their adviser and two oral defense committee members. Approval should be certified by having the adviser sign and date the front page of the proposal. This process usually takes place at the conclusion of the Ph.D. oral defense. The signed copy should then be submitted to the department office to be filed. Completion of all course work, comprehensive examinations, and the language requirement is also necessary to obtain third year funding.

In the second semester of the student’s third year, and then again in the second semester of year four, one complete chapter of the dissertation is reviewed by a faculty evaluation committee. The student may be questioned on the work and on plans for continued research and writing. If a student fails the review, he or she must rewrite, resubmit, and obtain approval of the chapter before the start of the next academic year. These two chapter reviews must be passed in order to receive fourth and fifth year funding. The dissertation must show the ability to follow an approved method of scholarly investigation and evidence of exhaustive study of a special field. It should add to the knowledge of the subject or represent a new, significant interpretation. Every dissertation should contain a clear introductory statement and a summary of results. Ph.D. students must submit a draft of their dissertation to their core committee three months before the proposed dissertation defense date. When the final draft of the dissertation has been approved by the core committee, the student confirms a date for the dissertation defense and submits the final draft to the additional examining readers. The date of the dissertation defense must be set at least three weeks after all committee members have received the final draft. Following the defense, the examining committee votes on whether or not to accept the dissertation; the committee has the option of passing the dissertation “with distinction.”

A doctoral candidate must complete all requirements no later than ten years from matriculation or seven years from the time of matriculation into the Ph.D. program if the candidate already holds the master’s degree. The department strongly discourages grades of “incomplete.” Any incompletes granted must be made up before the end of the next semester. Outstanding incompletes may render a student ineligible for assistantships and financial aid. The dissertation defense cannot be scheduled if outstanding incompletes exist.

Advanced Certificate in Culture and Media

The Advanced Certificate in Culture and Media was initiated in the fall of 1986 as an interdisciplinary course of study combining the rich resources of the Departments of Cinema Studies and Anthropology at NYU. This program provides a focused course of graduate studies integrating production work with theory and research into the uses and meanings of media in a range of communities and cultures. Please refer to the Culture and Media section of the bulletin for more information and program requirements.
FACILITIES
The George Amberg Memorial Film Study Center aids students and faculty in research and course work. It is the access site for the department’s collection of film, video, and archival material, including the William K. Everson Collection.

COURSES

M.A. Core Curriculum

Film Form and Film Sense
CINE-GT 1010  Simon. 4 points. 2017-18, 2018-19
The study of film aesthetics—film style, film form, genre, and narration. The scope is comparative and transnational. Introduces the student to the problems and methods of film interpretation and close textual analysis.

Film History and Historiography
CINE-GT 1015  Streible. 4 points. 2017-18, 2018-19
Examines the constitution of the codes and institutions of cinema and the ways in which the history of film has been, and has been understood to be, embedded in, shaped, and constrained by material and social practices. Various historiographical methods and historical contexts are explored.

Film Theory
CINE-GT 1020  4 points. 2017-18, 2018-19
Explores in detail texts of classical and modern film theory. Topics include auteurism; genre; the mind/film analogy; realism; semiotics; psychoanalysis; structuralism, ideology, queer theory, feminist theory, and postcolonial theory.

Television: History and Culture
CINE-GT 1026  4 points. 2017-18, 2018-19
Examines the background, context, and history of radio, television, video, and sound. Topics include politics and (weird spacing here)economics of media institutions; audiences and reception; cultural and broadcast policy; aesthetic modes and movements.

Graduate Film Theory Electives

Advanced Seminar: Theories of History
CINE-GT 3031  McCarthy. 4 points. 2018-19
Scholars of the moving image write history, but not under circumstances of their own making. This reading intensive graduate seminar is for students interested in considering these circumstances as they pursue advanced research in the history of moving image texts, cultures, and institutions.

Film History Electives

History of Chinese Cinemas in a Global Context
CINE-GT 1135  Zhang. 4 points. 2017-18
This course traces the origins of Chinese cinema and its transformation and diversification into a multi-faceted, polycentric trans-regional phenomenon in China, Hong Kong, and Taiwan up to the 1960s. We study a number of film cultures in Shanghai/China, Hong Kong, and Taiwan, including the complex web of their historical kinship ties, and place them within the regional and global contexts of modernity, revolution, nation-building, and attendant socio-cultural transformations. To investigate these unique yet interrelated film cultures together raises the question of national cinema as a unitary object of study, while suggesting new avenues for analyzing the complex genealogy of a cluster of urban, regional, commercial or state-sponsored film industries within a larger comparative and transnational framework. Topics related to screenings and discussions include urban modernity, exhibition & spectatorship, transition to sound, stardom & propaganda, gender & ethnic identities, and genre formation and hybridization.

Silent French Cinema
CINE-GT 1151 Lant. 4 points. 2018-19
An evaluation of silent film production in France, including narrative and avant-garde films as well as non-fiction works, from the emergence of cinema to the transition to sound. Among other topics, students will learn of France’s international dominance of cinema over the medium’s first ten years, of Max Linder’s importance to Charlie Chaplin, and of Alice Guy Blaché’s significance in the history of women’s filmmaking. Genres studied and screened include the modern studio spectacular, the serial film, science fiction, urban and maritime realism, the oriental fantasy, and the bourgeois melodrama.

Blaxploitation
CINE-GT 1317 Guerrero. 4 points. 2017-2018
This course explores the rise and fall of Hollywood’s “Blaxploitation” period and genre. We will look at the genre’s continuing influence on American commercial cinema and popular culture. We will locate the fifty-odd films of the period in the cultural, political, ‘black identity and liberation’ contexts at the end of the Civil Rights Movement, and at the rise of the Black Power and Black Aesthetics movements of the mid-’70s. Also, we will explore what Blaxploitation was ‘saying’ to (and about) its audience; how Blaxploitation draws upon black literary convention; the black crime novel; and black music and film noir. We will also examine Blaxploitation’s niche in, and contribution to, Hollywood’s political economy, and how Blaxploitation’s aesthetic and cultural conventions and formula have crossed over to address a broad popular audience in a number of popular contemporary films and popular cultural expressions.

French New Wave
CINE-GT 1513 Stam. 4 points. 2017-18
This course offers an historical and critical overview of one of the most dynamic and influential film movements within the history of the cinema—the French New Wave—a movement that has influenced filmmakers all over the world. After examining the philosophical underpinnings of the movement in philosophical existentialism (Jean-Paul Sartre, Simone de Beauvoir) and the theoretical underpinnings in the film criticism of Cahiers du Cinema, we will examine key
films and directors. We will explore the three core groups that together formed the New Wave, notably 1) the Cahiers directors (Truffaut, Godard, Chabrol, Rivette, Rohmer); 2) the Left Bank directors (Resnais, Duras, Varda, Marker); and 3) Cinema Verite (Jean Rouch, Edgar Morin). While we will focus largely on the films themselves, we will situate New Wave films within a broader spectrum of philosophy, literature, and the art. Some key themes in the course will be: first-person auteur cinema; artistic modernism and the New Wave; the relation between film and the other arts; the revolution in film language; the filmic adaptation of novels; and feminism and the New Wave; race, gender and sexuality; the evolution of style; and the political evolution leading up to the near-revolution of May 1968. The course will approach the New Wave through 1) critical writing, including by the directors themselves; 2) the screening of a chronologically arranged series of feature films; and 3) the analysis of short clips related to the larger themes. The goal of the course is for students to gain an overall sense of the historical importance of the New Wave, of the characteristic styles and themes of the key directors, and of some of the theories that circulated around such films.

Topics in Documentary Film
CINE-GT 2002  Lee. 4 points. 2018-19
Recent topic: Expanded Documentary.

Advanced Seminar: Women & the Documentary
CINE-GT 2080  Lee. 4 points. 2018-19
This course centers the figure of woman—multiply understood as embodied, discursive, performed, strategic, subversive or subverted—in a revisionist examination of documentary history and theory. How might our understanding of the documentary, its particular epistemology, and its central concepts be recalibrated through a shift of focus onto gender and sexual difference, variably behind or in front of the camera, on or in front of the screen? Multiple generations of feminist and queer theory, post-humanist and new materialist perspectives are brought to bear on the practices and discourses of documentary film & video.

Brazilian Cinema I, II
CINE-GT 2117, 2118  Stam. 4 points per term. 2018-19
Intensive, two-semester course spanning all phases of Brazilian cinema, from the silent period to the present. Stresses the imbrication of the films in Brazilian history as well as within a dense literary, cinematic, and popular culture intertext. Topics foregrounded include the manifestations of allegory, the trope of carnival, and the penchant for metacinema as well as discussion of diverse attempts to develop theories adequate to the cultural character and historical situation of Brazilian cinema.

Asian Media & Popular Culture
CINE-GT 2126. 4 points. 2018-19
This course surveys major concepts and issues concerning media in Asia along with the region’s geocultural and sociopolitical contingencies. It foregrounds the bewilderingly vague notion of Asian Media in order to scrutinize the assumed distinctiveness in the formation of media systems and how they correlate with the
ethno-cultural configurations of the region. There are three sections in this class: the first part examines the early development of media systems as a way to find conceptual frameworks befitting the regional particularities; the second part assays the political economy of media institutions following the end of Cold war and intensification of globalization; the last part looks into the rise of mobile digital media in conjunction with the development of inter/regional popular cultures.

**Non-Fiction Film History**
CINE-GT 2307  Streible. 4 points. 2017-18
This course introduces advanced undergraduates and graduate students to the study of nonfiction film. It explores the history and historiography of nonfiction cinema, including—but not limited to—documentary film. We will examine the established milestones of the international tradition of documentary—from the romances of Robert Flaherty to propaganda projects of the 1930s and 1940s, through cinema verité of the 1960s and the activist, institutional, and personal styles of recent decades. However, the course also places documentary in a context that includes forms of nonfiction typically segregated from the traditional conception of documentary. Some are familiar forms, such as travelogues and newsreels. Others have been neglected by scholars until recently: sponsored, industrial, educational, and science films; home movies and other amateur films; outtakes and other archival footage. Viewed both as discrete works of cinema and as artifacts of social and cultural significance, such orphaned films pose problems of history, culture, and aesthetics that challenge traditional conceptions of making, viewing, and studying films. We will read primary sources, as well as scholarly approaches to the history of nonfiction film and to the possible uses and meanings of this vast archive. Students will participate actively in discussions, make in-class presentations, and complete historical research projects on topics developed in consultation with the instructor.

**Asian Film History/Historiography**
CINE-GT 3244  Zhang. 4 points. 2017-18, 2018-19
Critically evaluating select influential scholarship in Asian film studies from the last two decades, this seminar aims to reconsider and move beyond existing paradigms such as national cinema, world cinema, and transnational cinema, in addition to categories or assumptions derived from traditional area studies with origins in the cold war cultural politics. While critically reviewing literature on specific cases of national and regional cinemas (e.g.; China, Japan, India), we will explore alternative perspectives on trans-Asian and trans-hemispheric film culture histories (for example, film policy, censorship, co-production, traveling genres, festivals), as well as contemporary formations.

**FILM CRITICISM AND AESTHETICS ELECTIVES**

**Sound/Image in the Avant-Garde**
CINE-GT 1113  Weiss. 4 points. 2017-18
This interdisciplinary course will investigate the relations between experimental film, radio, music, and sound art in modernism and postmodernism. The inventions of photography, cinema and sound recording radically altered the 19th
century consciousness of perception, temporality, selfhood, and death. This course will study the aesthetic and ideological effects of this epochal shift, especially as it concerns the subsequent practice of avant-garde art and aesthetics. It will specifically focus on the recontextualization of the history of avant-garde film in the broader context of the sound arts and their discursive practices, from Dada and Surrealism through Lettrism, Situationism, Fluxus and the American Independent Cinema.

Film Criticism
CINE-GT 1141  Porton. 4 points. 2017-18, 2018-19
This seminar devoted to the history, the theory, the future, and mainly, the craft of popular (as in non-academic) film criticism and journalism is hands-on and practical.

The Films of Martin Scorsese
CINE-GT 1201  Simon. 4 points. 2018-19
Investigates the films of Martin Scorsese, concentrating on the development of the narrative style and structure of his earliest work and on the major films of his mature period. Relates the analysis of narrative structure to developments in film history and in American culture during the period of the films’ production. Places special emphasis on the significance of intertextuality in Scorsese’s films by screening films that figure as intertexts in his work.

Film/Novel
CINE_GT_2056  Stam. 4 points. 2018-19
On a historical/literary level, the course will examine a chronologically-arranged sequence of celebrated novels (and their cinematic adaptations) including classics from England, Russia, the U.S., France, and Brazil. On an analytic level, we will perform exercises in comparative stylistics by doing close readings of brief passages and examining the film sequences based on them. On a theoretical level, the course will broaden the discussion to treat adaptation as an essential part of the creative process in all the arts in the form of what used to be called “influence” but is now often referred to as “dialogism,” “intertextuality,” “transtextuality,” “intermediality,” “remediation,” and so forth.

Hollywood 1939
CINE-GT 2116  Polan. 4 points. 2018-19
For critics and fans, 1939 is a year that crystallized the cultural and even artistic potential of the Hollywood studio system: this, after all, was the year of such revered works as Gone with the Wind, Mr. Smith Goes to Washington, Wuthering Heights, Stagecoach, The Wizard of Oz, among others. Intending to avoid any notion of special genius or historical accident or such-like, this course sets out to account for Hollywood achievement in concrete material, industrial, and social terms: what was the Hollywood system and what sorts of films did it produce and how and to what effect? We will look at studio structure and its operations, institutional support and pressure (for example, the role of censorship and regulation), the role of critics, audience taste, and so on. While we will draw on important secondary studies, much of the reading will be drawn from texts of
the time in order to garner as immediate and vivid a picture of the functioning of
the Hollywood system at a moment often assumed to represent its pinnacles of
achievement.

Advanced Seminar: Renoir
CINE-GT 2205  Simon. 4 points. 2017-18
This seminar will investigate the narrative conception and dynamics of Jean
Renoir's films with two major points of emphasis: 1. Their continuity with the
visual culture of France in the 19th century (suggested by the fact that his father
was a great painter in the Impressionist tradition); and 2. The development of
Renoir's narrational style (especially the use of long takes) in relation to social,
cultural, and political discourses of the period in which he was working. This
seminar will concentrate on the Popular Front films of the 1930s, but will also
consider shifts in the styles and contexts of the films during his American & Post-
World War 2 periods. Class presentations, papers, readings required.

Advanced Seminar: Structures of Passing
CINE-GT 3006  Straayer. 4 points. 2018-19
From a social-activist perspective, passing is often criticized as a willful act of
deception for the purpose of personal gain. Such an understanding invests in both
"truth" and visibility politics, and assumes that all passing is both deliberate and
upwardly mobile. This seminar seeks to complicate the discussion by analyzing
passing in relation to supporting structures (e.g., compulsory heterosexuality,
the binary sex system, constructions of race, stereotypes, and assimilation)
and processes (e.g., masquerade, infiltration, interpellation, performativity,
appropriation, identification, imitation, simulacrum). This seminar encourages
student projects on passing that entail a wider variety of situations (e.g., ethnicity,
age, migration, wellness).

Landscape and Cinema
CINE-GT 3104  Weiss. 4 points. 2018-19
Paying special attention to the contemporary hybridization of the arts, this seminar
will investigate the following topics in relation to both avant-garde and popular
cinema: anguish, eros and the landscape as symbolic form; landscape, film and
the Gesamtkunstwerk; imaginary landscapes and alternate worlds; ecological and
technological soundscapes; the aesthetics of delapidation.

Cultural Studies/Media Studies Electives

Topics in Cultural and Media Studies: Cinema, Migration, & Diaspora
CINE-GT 1025  Heberer. 4 points. 2017-18
This course explores film and other visual media through the lens of migrancy
and diaspora, asking what it would mean if we placed histories of movement and
border-crossings at the center of our analysis? To do so, we will combine studies
of representation, or how experiences of migration and (un)belonging are told on
screen, with inquiries into media infrastructures and practices, i.e. how works are
made, circulated, and received beyond national and regional boundaries. Readings
from cultural studies, media industry studies, and ethnic studies will define our
theoretical framework. Case studies include auteur and popular film, personal documentaries, and television shows as well as media piracy and fan-based online practices.

**Topics in TV: Mad Men: Gender, Race, & Culture**
CINE-GT 1127  4 points. 2017-18
This course analyzes and contextualizes the complex, ambitious television series Mad Men (2007-2015), looking at Mad Men as both a televisual text and a window onto the past. We will talk about the series and its place within television’s “new golden age,” analyzing its narrative form and visual style. In addition to looking closely at the series itself, we will read and view historical materials from the era that Mad Men fictionalized, interrogating its representation of the 1960s. The course pays particular attention to how the series engages with historical and contemporary issues around gender and race, to better understand what Mad Men teaches us about the 1960s—and how, in looking back, it helps us to better understand the present-day. In-class time will include screenings, lecture, and discussion. Out-of-class assignments include readings, additional screenings, and frequent writing.

**Cultural Theory and the Documentary**
CINE-GT 2001  Lee. 4 points. 2017-18, 2018-19
This class applies forms of anthropological, historical, gender, and cultural studies theory to a range of genres: countercolonial, cinema verité, direct cinema, ethnographic, instructional, historical, and auteurist documentaries. It is designed for cinema studies graduate students interested in documentary film or working toward the Ph.D. exam in cultural theory and/or history of the documentary and for students in the M.A. Certificate Program in Culture and Media.

**Interactive Cinema & New Media**
CINE-GT 2600  Hassapopoulou. 4 points. 2017-18
Interactive cinema is a hybrid medium that incorporates the audience into the performance of the film by integrating elements such as audience voting, motion sensors, and live acting to create a participatory multimedia experience. This course will analyze the development and reception contexts of interactive films, ranging from influential site-specific experiments in the 1960s to recent digital projects in software-generated cinema. A diverse spectrum of interactive genres will be discussed, including choose-your-own-adventure films, hypertexts, art installations, games, and web-based narratives. Through interactive screenings, media analysis, and selected readings, the course will establish connections between interactive cinema and canonical approaches to film and media studies, while also indicating its relevance to current trends in digital culture.

**Black Documentary Tradition**
CINE-GT 2707  Diawara. 4 points. 2017-18.
The course will examine the questions of archive, history and documentary cinema in Africa and its diaspora. The class will be divided into three parts. First we will study the questions of voice, citizenship and the struggle for representation in the African American documentary tradition from William Greaves to contemporary
directors. Second, we will look at the strategies of representing the black uprisings in UK and the militarization of the police in the experimental documentary cinema of black British film collectives such Black Audio, Ceddo and Sankofa. Finally, we will consider the place of history and archives in the emergence of the documentary tradition in Africa, with directors such as Jean Mary Teno, Raoul Peck and Jihan El-Tahri. An important goal of the class will be to trace the cinematic relations, influences and differences between the three traditions of film-making. In addition to films, the preliminary texts include: Struggles in Representation (Phyllis Klotman), Policing The Crisis (Stuart Hall, et.al.) and Postcolonial African Cinema (Kenneth Harrow).

**Advanced Seminar: Language and Image in Film Narrative**
CINE-GT 3016  *Simon. 4 points. 2018-19*

This seminar will explore the dynamics of cinematic narration, especially the relations of language, image, and music in film. Understanding the cinema as a heterogeneous and compound medium (i.e. a medium that draws on the artistic resources of multiple art forms, including the novel, theatrical drama, image-based arts like painting and photography, and music), we shall examine how film relates these art forms in the process of relating a story. Special emphasis will be placed on films which foreground the aesthetic “beauty” within the image (e.g. Days of Heaven, Barry Lyndon) and/or films which privilege anomalous uses of language (e.g voice-over narration in films noir, The Magnificent Ambersons, Days of Heaven, Barry Lyndon).

**General Graduate Research**

**Ph.D. Research Methodologies**
CINE-GT 2601  *McCarthy. 4 points. 2017-18, 2018-19*

**Independent Study**
CINE-GT 2900, 2901, 2902, 2903, 2904, 2905  *1-4 points per term. 2017-18, 2018-19*

**Dissertation Seminar**
CINE-GT 3902  *4 points per term. 2017-18, 2018-19*

**Directed Reading/Research in Cinema Studies**
CINE-GT 3907  *4 points per term. 2017-18, 2018-19*

**INTERNSHIP**

**Cinema Studies Internship**
CINE-GT 2950, 2952  *1-4 points per term. 2017-18, 2018-19*
DEPARTMENT OF

Classics

PROGRAMS AND REQUIREMENTS

Master of Arts

For admission a general knowledge of ancient history and literature and reasonable competence in reading both Greek and Latin prose and poetry are required, as indicated by the successful completion of an undergraduate major in classics or its equivalent. Students may apply for the M.A. program only, without fellowship. Students may also apply directly to the Ph.D. program, in which case the M.A. degree may be awarded after the student completes the requirements for the M.A.

Eight graduate-level courses, 32 points, chosen from the 1000-2000 series of courses, including either the Latin survey sequence, Latin Literature: Origins, Republican, CLASS-GA 1003, and Latin Literature: Imperial Period, CLASS-GA 1005, or the Greek survey sequence CLASS-GA Greek Prose Literature, CLASS-GA 1009 and Greek Poetry from Homer Through the Hellenistic Period, CLASS-GA 1013, year-long survey and one course from two of the following three areas: 1) prose composition, Greek Rhetoric and Stylistics: Composition, CLASS-GA 1011, or Latin Rhetoric and Stylistics: Composition, CLASS-GA 1012; 2) Greek or Roman history, and 3) Archaeology or ancient art history. Of the remaining four courses, at least three must be in the original language. The department participates in a consortial agreement with the City University of New York and Fordham University, which makes course offerings in classics at all three institutions readily available to all NYU classics graduate students. On arrival, each student takes diagnostic sight translation examinations in Greek and Latin. A faculty adviser evaluates and discusses them with the student. Before qualifying for the M.A. degree, a student must pass a Greek or Latin translation examination based on reading lists and translation examinations in German and either French or Italian.

Doctor of Philosophy

Students must complete 72 points (including the 32 required for the M.A.) of course work, of which 36 points must be completed in residence. The following courses (or equivalent substitutes) must be passed: Greek Rhetoric and Stylistics: Composition, CLASS-GA 1011, Latin Rhetoric and Stylistics: Composition, CLASS-GA 1012, and both the Latin survey sequence, Latin Literature: Origins, Republican, CLASS-GA 1003, and Latin Literature: Imperial Period, CLASS-GA 1005, and the Greek survey sequence CLASS-GA Greek Prose Literature, CLASS-GA 1009 and Greek Poetry from Homer Through the Hellenistic Period, CLASS-GA 1013; in addition students must take one course from each of the
following areas: (1) a graduate course in Greek or Roman history and (2) a course in archaeology or ancient art history; and at least two courses in fields outside Classics. Each student will complete at least 8 research papers (min. 5000 words) in connection with the chosen graduate seminars. Students must also pass two modern language examinations chosen from German (mandatory) and French or Italian before taking their qualifying exams. It is expected that the student’s program will be as follows:

Translation diagnostics will be done in the summer before first term or at the latest upon arrival. A faculty advisor evaluates and discusses the results with the student. During the first year students will be engaged in course work, including one Literature survey in Greek or Latin, which are offered in alternate years and weekly sight reading (required for those with low language skills as identified in the diagnostic; optional for others; no credit). Students may also take one or more modern language examinations in their first year. Finally, students must pass the Greek and Latin translation examinations based on the current reading list, given in May before the end of term. Passing does not exempt students from taking the second year of the Literature survey. Students may opt to take these exams in their second year. Students failing an exam may retake it the following September.

In the second year, students will continue with coursework, including the second literature survey. If not taken in the first year, students must pass their two modern language examinations. Students will also take the Greek and Latin translation examinations if not passed in the first year.

During the third year, students will complete any remaining coursework and take their qualifying exams. The qualifying exams are made up of 3 components: (1) four general field exams (written essays) in four of the following six fields, chosen by the student, to be taken over the period of two weeks in the September of the third year. Students failing any exam may retake it at the beginning of the following spring semester. The fields are: Greek Literature, Roman Literature, Greek History, Roman History, Greek and Roman Archaeology, and Greek and Roman Thought (Religion, Philosophy, Science). No field is required. Reading lists for each of these examinations will be supplied to the students by the faculty administering the individual exams. Field exam reading lists include primary and secondary literature. The examiners will write questions that may include supporting passages in Greek and Latin drawn from the translation exam or the field exam reading list. (2) A special field exam (oral) geared towards the dissertation topic, based on a reading list that includes both primary and secondary reading developed by the student in consultation with the future dissertation advisor (who should also be the examiner). This exam should lead to the proposal defense and may be taken any time during the third year, or in conjunction with the dissertation proposal defense. (3) The student submits a dissertation proposal to a committee consisting of the dissertation advisor and at least two other members of the Classics Department faculty. After review, the student circulated the proposal to the departmental faculty as a whole. An oral presentation must be scheduled before the committee and any interested member of the graduate faculty and the proposal approved by the end of the spring semester of the third year. The

David Konstan, Professor. Ph.D. 1967 (Greek and Latin), M.A. 1963 (Greek and Latin), Columbia; B.A. 1961 (mathematics), Columbia College.
Greek and Latin literature, especially comedy and the novel, and classical philosophy.

History; music; poetry and performance; economic and social history of Greece and the Mediterranean.

Latin prose literature; Roman religion; Roman Republican history.

Peter W. Meineck, Professor of Classics in the Modern World, Ph.D. Nottingham; B.A. 1989, University College London.
Performance, production and reception of ancient drama; Greek literature; cognitive theory and neuroscience approaches to antiquity. applied theatre and outreach; arts management; theatre directing and dramaturgy; European classical drama.

Greek epic and tragedy; ancient philosophy and its later reception.

Andrew Monson, Associate Professor. Ph.D. 2008, Stanford; M.Phil. 2002, University College London; B.A. 2000 (classical studies), Pennsylvania.
Hellenistic and Roman history; Greco-Roman Egypt; political economy of ancient empires.

Michael Peachin, Professor. Ph.D. 1983 (ancient history), Columbia; B.A. 1976 (history), Indiana.
Roman imperial history; Roman law; Latin epigraphy.
dissertation proposal has the following components: an abstract (100-200 words); a prose proposal (25-35 pages excluding the bibliography) which contains: (a) a definition of problem, (b) a review of earlier scholarship (including methodological approaches), (c) contribution of the dissertation to field, and (d) a work plan (including special requirements, such as archival research or travel); a chapter outline (one page); and a bibliography (at least two pages).

In the fourth year, students conduct dissertation writing and research. Normally one chapter should be completed within six months of the proposal defense. Students are required to attend the dissertation workshop, meeting regularly throughout the fall and spring semesters. The workshop must be attended for as long as the student remains in residence.

During the fifth year, students will continue with dissertation writing and research in preparation for the defense of the dissertation. The dissertation must demonstrate a sound methodology and must provide a scholarly study of a special field, making an original contribution to that field. When the dissertation is completed and has been approved by the dissertation advisor and one other reader, who is selected (usually) from the faculty of the Classics Department by the candidate and his or her dissertation advisor, an oral defense is scheduled. The defense takes place before a committee of at least five faculty members; the dissertation advisor and the reader chosen by the advisor and the candidate must be among these five. One person chosen from the faculty of another university may read the dissertation and serve as the fifth person on the defense committee.

COURSES

Latin Literature: Origins, Republic
CLASS-GA 1003 4 points. 2017-19
Extensive reading in Latin prose and poetry of the republican period. Texts are studied in chronological sequence, and major themes of republican intellectual history are explored. Readings include selections from the archaic laws, songs, Livius, Naevius, Ennius, Accius, Pacuvius, Plautus, Terence, Caecilius, Cato, Lucilius, Cicero, Sallust, Lucretius, Catullus, Varro, Varro of Atax, Cinna, and Calvus.

Latin Literature: Imperial Period
CLASS-GA 1005 4 points. 2017-19
Extensive reading in Latin prose and poetry of the Augustan and imperial periods. Texts are studied in chronological sequence, and major themes of early imperial intellectual history are explored. Readings focus on literature of the golden and silver ages in a variety of genres, including epic, pastoral, tragic drama, satire, epigram, letters, and historical writings.

Greek Prose Literature
CLASS-GA 1009 4 points. 2017-19
Extensive reading in Greek prose of the archaic and classical periods. Texts are studied in chronological sequence, and major themes of Greek cultural and
intellectual history such as the rise of the polis are explored. Readings include both major and minor authors.

**Greek Rhetoric and Stylistics: Composition**  
CLASS-GA 1011  4 points. 2017-19  
The development of Greek rhetoric and prose style. A review of morphology and syntax is followed by intensive close reading of selections from authors in chronological sequence. Emphasis is on close translation and syntactical and stylistic analysis.

**Latin Rhetoric and Stylistics: Composition**  
CLASS-GA 1012  4 points. 2017-19  
The development of Latin rhetoric and prose style. A review of morphology and syntax is followed by close reading of selections with emphasis on translation and syntactical and stylistic analysis.

**Greek Poetry from Homer Through the Hellenistic Period**  
CLASS-GA 1013  4 points. 2017-19  
Archaic, classical, and Hellenistic poetry including selections from Homer, Hesiod, the Homeric Hymns, lyric poetry, classical drama, and the poetry of Alexandria. Texts are studied in chronological sequence, and attention is paid to Greek intellectual and social history as well as to questions of style and genre.

**Introduction to Ancient Studies**  
CLASS-GA 1040  4 points. 2017-2019  
Introduction to the methods and approaches used to uncover the ancient past and to the categories of evidence available in this quest. Develops a sense of how to apply various methods to the study of a given corpus of data. Deals with the means of transmission of ancient evidence to modern scholarship and culture and provides a sense of ancient studies as a whole.

**Sallust**  
CLASS-GA 2812  4 points. 2017-19  
Reading of one or both of the monographs and the major fragments of the Historiae. Attention is paid to Sallust’s contribution to the canonical style and aims of Latin historiography and to the development of the historical monograph as a narrative form.

**Tacitus**  
CLASS-GA 2821  4 points. 2017-19  
Reading of either the minor works or parts of the Annales and Historiae. Tacitus and his writing are considered in the context of his times, when empire had clearly come to stay, but when its nature was under question. In such a world, what was the job of history, or of a historian? Could real history still be written? If so, how?

**Pliny**  
CLASS-GA 2838  4 points. 2017-19  
Selections from Books I-IX of Pliny’s Epistles—with an eye especially to matters of history, culture, and society—reveal much about the life and interests of a member of the senatorial order. The correspondence between Pliny as governor
of Pontus-Bithynia and the emperor Trajan (Book X) is examined as a unique specimen of such literature.

**Cicero**
CLASS-GA 2843  *4 points*. 2017-19
Reading of selected works, which may come from the oratorical, philosophical, or epistolary corpora. The focus of the course varies accordingly; in all, however, close reading is accompanied by a consideration of the orator/philosopher/citizen in his social and historical context.

**Petronius and Apuleius**
CLASS-GA 2853  *4 points*. 2017-19
Study of the Roman novel as a generic form based on selections from the Satyricon and the Golden Ass, with comparanda drawn from Greek novels.

**Latin Elegy**
CLASS-GA 2876  *4 points*. 2017-19
Selections from Catullus, Propertius, Tibullus and the Tibullan corpus, and Ovid; later elegy may also be read. Topics include the role of the lover and the mistress, the self-referentiality of elegiac poetry, the tension between genre and content (particularly in Propertius), and the Ovidian codification of the elegiac form.

**Ovid**
CLASS-GA 2887  *4 points*. 2017-19
Overview of Ovid’s poetic output (including love, elegy, didactic, epistolary, and epic poetry); concentrates on a particular poem or related group of poems. Topics include Ovid’s reaction to Vergil, the influence of the declamatory schools, Ovid’s creation of a new narrative style for epic poetry, and the poet’s response to Augustus.

**Plato**
CLASS-GA 2932  *4 points*. 2017-19
Study of selected dialogue(s). Readings and topics vary with the instructor; possible focus includes Plato’s portrayal of Socrates and the Socratic method, the construction of the ideal state, the relationship between poetry and philosophy, Plato and the Sophists, and the teaching of virtue.

**Aeschylus**
CLASS-GA 2963  *4 points*. 2017-19
Close reading of one of the seven extant plays. The peculiarities of Aeschylean language and, in the case of a play from the Oresteia, the relation of its plot to that of the trilogy as a whole is analyzed. The difficult dramaturgical and textual problems are sketched.

**Euripides**
CLASS-GA 2967  *4 points*. 2017-19
Overview of Euripides’ career is followed by reading of selected tragedies. Particular attention is paid to the challenges he posed to the “proper” tragic form, the influence of Aeschylus and the relationship between Sophocles and Euripides, contemporary political and intellectual influences, and the role of ritual and the divine in Euripidean art.
Homer
CLASS-GA 2981  4 points. 2017-19
Either the Iliad or the Odyssey is read in its entirety. Topics include the conventions and development of oral poetry; the relationship of gods and man; narrative structure and design; the poems as a source for ancient historiography, tragedy, and later epic; the role of women, especially Helen and Penelope; and the education of Telemachus.

Hesiod and the Homeric Hymns
CLASS-GA 2987  4 points. 2017-19
Close reading of the Theogony and of the Homeric hymns; students may also read the Works and Days or the Batrachomyomachia and other poems in the Homeric corpus. Topics include the influence of Homeric epic, the conventions of didactic poetry, the form and structure of hymns, and the influence of Hesiod and the hymns on later Greek poets.

Seminar in Classical Studies
CLASS-GA 3000  4 points. 2017-19
Variable content. Past topics have been Greek Drama in Performance (Meineck); Archaeology of Performance (Connelly); Ancient Greco-Roman Education (Cribiore).

Topics in Roman History
CLASS-GA 3001  4 points. 2017-169
Variable content. Past topics have been Augustus and the Creation of the Roman Empire (Peachin); Early Roman Empire: The Case of Germanicus (Peachin).

Topics in Greek History
CLASS-GA 3002  4 points. 2017-19
Variable content. Past topics have been Greek Religion in a Mediterranean Society (Kowalzig); The Persian Empire (Monson);

Topics in Latin Literature
CLASS-GA 3003  4 points. 2017-19
Variable content. Past topics have been Latin Pastoral (Connolly); Vergil’s Geopoetics (Barchiesi)

Topics in Greek Literature
CLASS-GA 3004  4 points. 2017-19
Variable content. Past topics have been History of the Ideas of Conscience and Forgiveness (Konstan); Third Sophistic (Cribiore).

Directed Reading in Latin Literature I, II
CLASS-GA 3101, 3102  Prerequisite: permission of the director of graduate studies. Variable points. 2017-19

Directed Reading in Greek Literature I, II
CLASS-GA 3201, 3202  Prerequisite: permission of the director of graduate studies. Variable points. 2017-19
Directed Reading in Roman History I, II  
CLASS-GA 3301, 3302  Prerequisite: permission of the director of graduate studies.  
Variable points.  2017-19

Directed Reading in Greek History I, II  
CLASS-GA 3401, 3402  Prerequisite: permission of the director of graduate studies.  
Variable points.  2017-19

Dissertation Research  
CLASS-GA 3998, 3999  4 points per term.  2017-19
DEPARTMENT OF

Comparative Literature

PROGRAM AND REQUIREMENTS

Master of Arts

Comparative literature at New York University is designed to meet the needs of students who wish to study literature as an intercultural discipline embedded in wider sociocultural environments and in broader philosophical issues. The department offers students an opportunity to study literature extranationally, cross-culturally, and historically through movements, periods, genres, and interrelations, as well as through criticism and theory. Applications are only considered for fall admission, and demonstrated proficiency in two foreign languages is highly recommended. The only terminal MA students we accept are those who have enrolled in our BA/MA program (which is only open to NYU undergraduate students) or Fulbright M.A. students; no financial aid is given to such candidates.

Students entering with the B.A. must complete requirements for the M.A. degree before proceeding to the Ph.D. The Master of Arts degree requires 32 points of coursework, of which 20 points are in Comparative Literature, and 12 points outside of the department (and relevant to the student's research and teaching goals). Of these 32 points, the following courses must be taken: COLIT-GA 1400, Seminar in Literature: Research Methods and Techniques—Practice and Theory, (this course must be taken during the first semester of enrollment); a literary criticism/theory class before 1800; a contemporary (20th century) literary criticism/theory course; and a pre-1800 literature course. Students taking a degree in comparative literature follow a program of courses corresponding to their proposed professional interests. Flexibility of choice is provided by a broad spectrum of offerings available in neighboring departments. When arranging the course of study, the student consults with the chair of the department or the director of graduate studies, as well as an assigned faculty adviser. In order to qualify for the M.A., students must prove proficiency in two non-English languages. There are several ways to prove proficiency, including passing a translation exam, which NYU administers three times a year. Once a student has completed 32 points of coursework and satisfied the language requirements, a qualifying paper must be submitted to and approved by a committee of two faculty members. The paper is meant to be one which you have already submitted for a seminar and to which you would like to return in order to polish the argument to a "publishable" standard.
Doctor of Philosophy

Students entering the doctoral program with an M.A. degree in comparative literature from another institution must divide their points between a national literature or literatures, comparative literature, and if they choose (after consultation), appropriate courses from non-literature departments. Students entering with an M.A. degree in a national literature must show 40 points in comparative literature upon the completion of course requirements for the Ph.D. degree. For students completing the departmental M.A., continuation from the M.A. to the Ph.D. is not automatic; successful and timely completion of the M.A. is minimally required for admission to the Ph.D. program.

The Ph.D. requires students successfully complete 72 points of coursework of which 40 points are in Comparative Literature, and 32 points are outside of the department as electives relevant to the student’s research and teaching goals. The following courses must be taken: COLIT-GA 1400, Seminar in Literature: Research Methods and Techniques–Practice and Theory, (this course must be taken during the first semester of enrollment); a literary criticism/theory class before 1800; a contemporary (20th century) literary criticism/theory course; and a pre-1800 literature course; and Thesis Research, COLIT-GA 3991. Students taking a degree in comparative literature follow a program of courses corresponding to their proposed professional interests. Flexibility of choice is provided by a broad spectrum of offerings available in neighboring departments. When arranging the course of study, the student consults with the chair of the department or the director of graduate studies, as well as an assigned faculty adviser.

Students must prove proficiency in three non-English languages or two non-English languages and, substituting for the third language, three doctoral level courses in a nonliterary discipline. There are several ways to prove language proficiency, including passing a translation exam, which NYU administers three times a year.

Once a student has completed 32 points of course work and satisfied the language requirements, a qualifying paper must be submitted to and approved by a committee of two faculty members. The paper is meant to be one which the student has already submitted for a seminar and would like to return in order to polish the argument to a “publishable” standard.

Once all course work and language proficiency has been satisfied, students are required to pass a comprehensive exam. This Ph.D. examination consists of a comprehensive, written take-home examination on three topics chosen by the candidate, in consultation with a faculty committee: one topic is literary criticism and theory, a second topic includes the candidate’s major or teaching field, and the third is in a nodal field of critical, historical, generic, or period interest. The written examination is taken after the required course Thesis Research, COLIT-GA 3991, in which the topics for the exam are prepared. The written examination is followed within the next semester by an oral examination given by the same faculty committee of three, on the preliminary dissertation prospectus prepared by the candidate. The revised prospectus is then submitted, usually within six weeks, literature in Spanish; the ethical and the political; psychoanalysis; Kant’s theoretical and practical philosophy; Levinas.

Emanuela Bianchi, Assistant Professor. Ph.D. 2005 (Philosophy), New School for Social Research; M.A. 1990 (philosophy), Sussex; B.Sc. (Hons.) 1989 (human sciences), Sussex. Ancient philosophy and literature; 20th century and contemporary continental philosophy; feminist/queer theory.


Ana María Dopico, Associate Professor (Comparative Literature, Spanish and Portuguese Languages and Literatures). Ph.D. 1998, M.Phil. 1993, M.A. 1988 (English and comparative literature), Columbia; B.A. 1985 (English, history), Tufts. Literature of the Americas; global North-South studies; nationalism and postcolonialism; Cuban studies; comparative cultural genealogies; politics of theory; public intellectuals; Latino cultures; feminist studies.

Andrea Gadberry, Assistant Professor of Comparative Literature. Ph.D. 2014, California (Berkeley). Comparative early modern and Enlightenment studies; philosophy and political theory, 1600-1800; genre; poetics; psychoanalysis; critical theory.


Hala Halim, Assistant Professor, (Middle Eastern and Islamic Studies, Comparative Literature). Ph.D. 2004, California (Los Angeles); M.A. 1992 (English and comparative literature), American (Cairo); B.A. 1985 (English literature), Alexandria.
for final approval by its three readers. Following the exams, doctoral candidates should be prepared to write a thesis which must be concerned with comparative issues of language, discipline, or culture. The Ph.D. thesis must be approved by an adviser and two major readers; after completion and acceptance of the thesis, two further readers are invited to complete the oral defense jury.

Concentration in Medieval and Renaissance Studies: The concentration in Medieval and Renaissance Studies is interdisciplinary in nature and creates a framework and community for diverse approaches to the study of the Middle Ages and Renaissance. It complements doctoral students’ work in their home departments with interdisciplinary study of the broad range of culture in the medieval and early modern periods, as well as of the theories and methods that attend them. The concentration is designed to train specialists who are firmly based in a traditional discipline but who can work across disciplinary boundaries, making use of varied theoretical approaches and methodological practices. The concentration consists of twenty credits distributed under the following courses: Proseminar in Medieval and Renaissance Studies, MEDI-GA 1100, Late Latin and Early Vernaculars, MEDI-GA 2100 or other approved course, and Medieval and Renaissance Studies Workshop, MEDI-GA 2000, 2 points per semester taken twice in an academic year. Students must also take one approved course in the area of Medieval and Renaissance Media: Visual and Material Cultures, and one approved course in a medieval or early modern topic. At least one course, not counting either the Proseminar or Workshop, must be taken outside a student’s home department. In addition, students pursuing the concentration will present a paper at least once either in the Workshop or in a conference offered by the Medieval and Renaissance Center.

Advanced Certificate Program in Culture and Media

The Departments of Anthropology and Cinema Studies offer a joint course of study leading to the Advanced Certificate in Culture and Media which may be taken as a dual degree program with the Ph.D. in Comparative Literature. Core faculty are Professor Faye Ginsburg, director of the Program in Culture and Media; Associate Professor Tejaswini Ganti and Assistant Professor Noelle Stout of the Department of Anthropology; and Assistant Professor Toby Lee of the Department of Cinema Studies. For more information on the Culture and Media program, please consult that section of this bulletin.

COURSES

Seminar in Literature: Research Methods and Techniques–Practice and Theory

COLIT-GA 1400  *Apter. 4 points. 2017-18, 2018-19*

Required of incoming students to the department. Explores current theoretical debates in the field and seeks to build an intellectual community among new students. Emphasis is also on pragmatic questions of orientation in the discipline.

Globalization, cosmopolitanism, alternative modernities; Eastern and Western travel literature; postcolonial Arabic literature, Arab Anglophone and Francophone literatures; Translation Studies; globalization; urban cultures.

Mikhail Iampolski, Professor (Comparative Literature, Russian and Slavic Studies). Habil. 1991, Moscow Institute of Film Studies; Ph.D. 1977 (French philosophy), Russian Academy of Pedagogical Sciences; B.A. 1971, Moscow Pedagogical Institute. Slavic literatures and cinema; theory of representation; the body in culture.

Avital Ronell, Professor (Comparative Literature, German); University Professor. Ph.D. 1979 (Germanic languages and literature), Princeton; B.A. 1974, Middlebury College. Literary and other discourses; feminism; philosophy; technology and media; psychoanalysis; deconstruction; performance art.

Mark Sanders, Professor. Ph.D. 1998, M.Phil. 1994, M.A. 1992 (English), Columbia; B.A. 1990 (English), Cape Town. African literature; literary theory; law and literature; narrative theory; autobiography and testimony; postcolonial literature and theory; global Anglophone literature; intellectual history; testimony; autobiography; ethics; psychoanalysis.


Cristina Vatulescu, Associate Professor. Ph.D. 2005, B.A. 1998 (literature), Harvard. Aesthetics and politics; artistic and extra-artistic genres, in particular the novel, autobiography, and the police file; Russian and Eastern European 20th-century culture; cinema and visual culture; the interdisciplinary study of subjectivity, drawing on literature, film, psychology, and criminology; immigration and cultural exchange.
Culture and Critique
COLIT-GA 1951  Vatulescu. 4 points. 2017-18
Considers the beginnings of documentary in literature, film and the visual arts.

Prisms of Modernity
COLIT-GA 1341  Matos-Martin. 4 points. 2017-18
Recently offered topics include Biopolitics and Culture in Contemporary Spain.

Writing Seminar
COLIT-GA 2000  Basterra. 4 points. 2017-18, 2018-19
This year-long course will be taken for 8 credits, fall and spring. Enrollment is restricted to Comp Lit 3rd year students only.

Special Topics in Theory
COLIT-GA 2610  Iampolski, Basterra, Sanders. 4 points. 2017-18
This seminar explores freedom theoretically as a concept that enables thinking by introducing a boundary, and practically as something other that animates subjectivity.

Topics in Caribbean Literature
COLIT-GA 2650  Staff. 4 points. 2017-18

Topics in Translation
COLIT-GA 2875  Staff. 4 points. 2017-18

Guided Individual Research in Comparative Literature
COLIT-GA 2991  Permission of the department required. 1-8 points. 2017-18
Individual Research may be utilized for internship credit with permission of the Director of Graduate Studies.

Comparative Poetics
COLIT-GA 3399  Gadberry. 4 points. 2017-18

Topics in Black Literature
COLIT-GA 3625  Staff. 4 points. 2017-18
The purpose of this course is to explore the historical, political and esthetic contexts which led to the emergence of Fanon’s seminal texts of decolonization and cultural nationalism and Glissant’s theories of Creolization and Tout-monde.

Topics in African Literature
COLIT-GA 3630  Staff. 4 points. 2017-18
Examines various topics in African literature, with special focus on postcolonialism and the African narrative.

Studies in Post-Symbolist Poetry
COLIT-GA 3885  Staff. 4 points. 2017-18
Designed to introduce students to Pound’s oeuvre as a whole-and to its central place within ongoing debates about modernism and post-modernism.

Modern Chinese literature, film, culture; theory and politics of culture; intellectuals and society; political philosophy; aesthetics; twentieth century Chinese literature and culture; socio-ontology; historiography in one; identity and identity-formation in politico-philosophical and cultural-civilizational contexts; a theory of comparison and comparability; cultural politics in the age of globalization.

VISITING FACULTY
Ben Baer, Princeton; Eduardo Matos-Martin, University of Michigan.

PROFESSOR EMERITI
Kamau Brathwaite
John Chioles
Daniel Javitch
Timothy J. Reiss

ASSOCIATED FACULTY IN OTHER DEPARTMENTS
Sibylle Fischer, Spanish and Portuguese Languages and Literatures; John Freccero, Italian Studies; Toral Gajarawala, English; Sarah Kay, French; Philip Kennedy, Middle Eastern and Islamic Studies; Mary Louise Pratt, Spanish and Portuguese Languages and Literatures; Laura Slatkin, Gallatin Division; Robert P. Stam, Cinema Studies (Tisch School of the Arts); Jane Tylus, Italian Studies; Jini Watson, English; Robert Young, English.

AFFILIATED FACULTY IN OTHER DEPARTMENTS
J. Michael Dash, French; Yael Feldman, Hebrew and Judaic Studies; Alexander Galloway, Media/Culture/Communication (Steinhardt School of Culture, Education, and Human Development); Eckart Goebel, German; Anselm Haverkamp, English; Denis Hollier, French; Amy Huber, Gallatin; Tzo-hui Celina Hung, NYU/ Shanghai; Kenneth Krabbenhoft, Spanish and Portuguese Languages and Literatures; Darlene G. Levy, History; Laurence Lockridge, English; Anne Lounsbery, Russian and Slavic Studies; Sheetal Majithia, NYU Abu Dhabi; Perry Meisel, English; Mona Mikhail, Middle Eastern and Islamic Studies; Richard Scheckner.
Discourse & Society  
COLIT-GA 3921  Duffy. 4 points. 2017-18  
This seminar will explore two linked intellectual revolutions: the cosmographic revolution of the European Renaissance and the Postmodern Spatial turn in twentieth and twenty-first-century critical theory and philosophy.

Thesis Research  
COLIT-GA 3991  Permission of the department required. 1-4 points. 2017-18, 2018-19

Directed Research I  
COLIT-GA 3998  Permission of the department required. 1-4 points. 2017-18, 2018-19

Directed Research II  
COLIT-GA 3999  Permission of the department required. 1-4 points. 2017-18, 2018-19

Performance Studies (Tisch School of the Arts); Ella Shohat, Art and Public Policy (Tisch School of the Arts), Middle Eastern and Islamic Studies; Evelyn Birge Vitz, French; Leif Weatherby, German.

ASSISTANT PROFESSOR/  
FACULTY FELLOW

Philip Kaffen  
Eduardo Matos-Martín  
Timothy Duffy
DEPARTMENT OF

Computer Science

PROGRAMS AND REQUIREMENTS

Master of Science in Computer Science

Admission to the Master of Science in Computer Science program is based on the applicant's previous academic record, letters of recommendation, supplemental questions detailing the applicant's computer experience (included as part of the online application), Graduate Record Examination (GRE) scores, personal statement. The general test of the GRE is required of all M.S. applicants. Applicants whose native language is not English and whose main language of prior instruction was not English must submit Test of English as a Foreign Language (TOEFL) scores or International English Language Testing System (IELTS) scores. Applicants to the MS in Computer Science program are expected to hold a Bachelor’s degree in Computer Science or a related field. The minimum background for admission to the M.S. program consists of: (1) Programming in high-level languages: Substantial experience programming in high-level languages, preferably including both imperative languages such as C and object-oriented languages such as C++ or Java. (2) Data structures and mathematics: Understanding and working knowledge of pointers, lists, stacks, queues, trees, arrays, and recursion; induction, order of magnitude growth, probability and elementary combinatorics, set notation. (3) Working familiarity with Windows and Unix. Promising students who do not have this background may be conditionally admitted with the proviso that they complete the one-year preparatory course (PAC). Students without adequate mathematical training should take Discrete Mathematics, which is offered in the summer only. Those admitted to the M.S. program with the requirement to complete PAC are considered M.S. degree students while they are enrolled in PAC courses, although the credits for the courses do not count toward the M.S. degree. Applicants should apply for their ultimate degree objective rather than for PAC, even if they expect to be required to take these courses.

To obtain the M.S. degree in computer science, a student must complete 36 points of course work as follows: (a) A total of 21 points must be from standard classroom courses in the Department of Computer Science. (b) An additional 6 points must be from either standard classroom courses in computer science, mathematics or data science; independent study with a faculty supervisor in the computer science department, excluding external internships; or a master’s thesis. (c) The remaining 9 points may be from any of the above or credits transferred from previous graduate study in computer science at another university; external internships; or relevant courses in other departments at NYU. At most, 6 points of

FACULTY

Marsha J. Berger, Silver Professor, (Computer Science, Mathematics); Ph.D. 1982, M.S. 1978, Stanford; B.S. 1974 (mathematics), SUNY (Binghamton). Computational fluid dynamics; adaptive methods; parallel scientific computing.


external internships may be taken. The approval of the director of graduate studies is required for transfer credits, internships, and courses in other departments. Students must successfully complete three foundational courses early on in their career. These courses are CSCI-GA 1170, Fundamental Algorithms, CSCI-GA 2110, Programming Languages, and CSCI-GA 2250, Operating Systems. To ensure satisfactory mastery of the foundational material, an M.S. student will remain in good standing only if he or she achieves a B- (2.7) or better average GPA in the foundational courses attempted so far. Students who fail to do so will be placed on probation and must meet the terms of their probation in the allotted time or will be terminated from the program. Further, a student must take at least one course each in two of the following four subject areas: graphics, computation for science and society, artificial intelligence, and databases.

Either a capstone course must be successfully completed with a grade of B or better that represents a combination of the key elements of the M.S. program of study or, if qualified and approved, write a master’s thesis or complete a capstone advanced lab. In order to qualify to write a master’s thesis, a student must achieve a GPA of 3.75 or better after completing six courses and complete the three foundational courses with a grade of B+ or better. The M.S. degree in computer science must be completed within five years.

Master of Science in Information Systems

Applicants for the M.S. in Information Systems must meet all admissions requirements of the M.S. in Computer Science. In addition, applicants are expected to have at least two years of work experience in the software industry. A résumé is required for the M.S. program in information systems. To obtain the M.S. degree in information systems, a student must complete 39 points of approved course work as follows: (1) Complete CSCI-GA 1170 Fundamental Algorithms. (2) Complete two of the following three courses: CSCI-GA 2262, Data Communications & Networks, CSCI-GA 2250, Operating Systems, CSCI-GA 2433, Database Systems. (3) Complete six credits of computer science electives. (4) Complete six credits of Stern COR1-GB General Business Core courses. (5) Complete nine credits of Stern INFO-GB Information Systems courses. (6) Complete the following capstone course: CSCI-GA 3812, Information Technology Projects. (7) Complete six credits of electives either from the Computer Science Department or Stern. A maximum of 9 credits may be transferred from previous graduate study in computer science at another university. The approval of the Director of Graduate Studies is required for transfer credits, and internships. MSIS students may do no more than 6 credits of Independent Study and Internships combined. The M.S. in information systems must be completed within five years.

Master of Science in Scientific Computing

The Master of Science Program in Scientific Computing, administered by the Department of Mathematics, focuses on the mathematics and computer science related to advanced computer modeling. While the material is in mathematics and computer science, the program is similar in structure to terminal master’s programs


Ernest Davis, Professor. Ph.D. 1984, Yale; B.Sc. 1977 (mathematics), Massachusetts Institute of Technology. Artificial intelligence; knowledge representation; automated commonsense reasoning.

Yevgeniy Dodis, Professor. Ph.D. 2000 (electrical engineering and computer science), M.S. 1998 (electrical engineering and computer science), Massachusetts Institute of Technology; B.A. 1996, New York. Cryptography; approximation algorithms; information theory; lower bounds; combinatorics.


Davi Geiger, Associate Professor (Computer Science, Neural Science). Ph.D. 1990 (physics), Massachusetts Institute of Technology; B.S. 1980 (physics), Pontifical Catholic (Rio de Janeiro). Computational vision; learning; memory; applications.
in engineering, where classroom training is combined with practical experience. Further details are available in the Mathematics section of the Bulletin.

**Doctor of Philosophy**

Each applicant to the PhD program must include documentation concerning the applicant's previous academic record, letters of recommendation, a personal statement, and general GRE scores. The GRE computer science subject test is recommended but not required. Applicants whose native language is not English and whose main language of undergraduate instruction was not English must submit Test of English as a Foreign Language (TOEFL) scores. Every admitted full-time PhD student who remains in good academic standing will receive financial support for five years, including an academic-year stipend, tuition remission, and NYU student health insurance.

To obtain a Ph.D. in Computer Science, a student must satisfy the general requirements of NYU’s Graduate School of Arts and Science, which include completion of 72 points of graduate credit (at least 32 in residence) with a cumulative GPA of 3.5 or better, within a specified period of time. In addition, students must fulfill the following departmental requirements: (1) A breadth requirement, which must be satisfied by the end of the student's second year. The breadth requirement involves achievement of (a) a sufficiently high grade on an examination in Honors Algorithms and (b) satisfactory completion of three courses covering systems, applications, and an area of the student's choice. Courses satisfying the breadth requirement may vary from year to year, and are listed on the department's website. (2) A depth requirement, which must be satisfied by the end of the student's second year. The purpose of the depth requirement is to ensure that the student has mastered a specific area of computer science to a sufficiently high degree. To satisfy the depth requirement, the student must receive a Ph.D. pass on a depth qualifying examination, administered by a three-person faculty committee, consisting of two parts: a written or oral examination concerning the student’s research area, and an oral presentation of the student’s research accomplishments. (3) Write a thesis proposal describing the proposed area of the student's dissertation, present the proposal to a faculty committee, and receive a sufficiently high grade on the content and presentation of the proposal. The thesis proposal must be satisfactorily completed by the end of the student’s third year. (4) Write and satisfactorily defend a dissertation containing the student’s original and substantial research. The dissertation must be defended in front of a committee consisting of at least five faculty members or approved outside readers.

To receive an M.S. degree in the course of PhD studies a student must:

1. Complete 36 credit hours at NYU not used toward any other degree. At least 28 credit hours must be taken within the Graduate School of Arts and Sciences (GSAS) and a GPA of 3.3 or better must be achieved.

2. Satisfy the breadth requirement described above.

3. Receive either an M.S. or PhD pass on each part of the DQE.


Design and implementation of programming languages; compiler optimizations; memory management.

**Allan Gottlieb**, Professor. Ph.D. 1973 (mathematics), M.A. 1968 (mathematics), Brandeis; B.S. 1967 (mathematics), Massachusetts Institute of Technology. Parallel computing; computer architecture; operating systems; distributed systems; free software.


If a student has passed the DQE and then changes his/her area of research, the student need not retake the DQE.

FACILITIES
The primary facility for graduate educational and research computing is a network of servers running Linux, as well as desktop workstations running Linux and Windows. Graduate students may also be given access to NYU’s central High Performance Computing facilities. In addition, individual research groups have various resources, including GPU compute servers. Each doctoral student is provided with a personal desktop or laptop. Local wired and wireless networks connect this diverse collection of resources to NYU-Net, and, from there, the Internet and Internet2. Many other research machines provide for abundant access to a variety of computer architectures. For example, research groups in graphics, vision, and human computer interaction have access to a unique virtual reality/ motion capture lab, and a hardware lab for research in digital fabrication.

COURSES

Preparatory Accelerated Courses

Intensive Introduction to Graduate Study in Computer Science I (PAC I)
CSCI-GA 1133  Korth. 4 points. 2017-18, 2018-19
An accelerated introduction to the fundamental concepts of computer science for students who lack a formal background in the field. Topics include algorithm design and program development; data types; control structures; subprograms and parameter passing; recursion; data structures; searching and sorting; dynamic storage allocation and pointers; abstract data types, such as stacks, queues, lists, and tree structures; generic packages; and an introduction to the principles of object-oriented programming. The primary programming language used in the course will be Java. Students should expect an average of 12-16 hours of programming and related course work per week. PAC I does not count towards the completion of the M.S. degree in Computer Science or Information Systems.

Intensive Introduction to Graduate Study in Computer Science II (PAC II)
CSCI-GA 1144  Prerequisite: CSCI-GA 1133 or departmental permission. Zahran. 4 points. 2017-18, 2018-19
This course builds directly on the foundation developed in PAC I, covering the essentials of computer organization through the study of assembly language programming and C, as well as introducing the students to the analysis of algorithms. Topics include: (1) Assembly language programming for the Intel chip family, emphasizing computer organization, the Intel x86 instruction set, the logic of machine addressing, registers and the system stack. (2) Programming in the C language, a general-purpose programming language which also has low-level features for systems programming. (3) An introduction to algorithms, including searching, sorting, graph algorithms and asymptotic complexity. Examples and assignments reinforce and refine those first seen in PAC I and often connect directly to topics...
in the core computer science graduate courses, such as Programming Languages, Fundamental Algorithms, and Operating Systems. PAC II does not count towards the completion of the MS degree in Computer Science or Information Systems.

**Algorithms and Theoretical Computer Science**

**Fundamental Algorithms**

CSCI-GA 1170  Prerequisite: At least one year of experience with a high-level language such as Pascal, C, C++, or Java; and familiarity with recursive programming methods and with data structures (arrays, pointers, stacks, queues, linked lists, binary trees). Spencer, Yap, Dodis, Siegel. 3 points. 2017-18, 2018-19

Reviews a number of important algorithms, with emphasis on correctness and efficiency. The topics covered include solution of recurrence equations, sorting algorithms, selection, binary search trees and balanced-tree strategies, tree traversal, partitioning, graphs, spanning trees, shortest paths, connectivity, depth-first and breadth-first search, dynamic programming, and divide-and-conquer techniques.

**Mathematical Techniques for Computer Science Applications**

CSCI-GA 1180  Davis, Kedem, Wright. 3 points. 2017-18, 2018-19

An introduction to theory, computational techniques, and applications of linear algebra, probability and statistics. These three areas of continuous mathematics are critical in many parts of computer science, including machine learning, scientific computing, computer vision, computational biology, natural language processing, and computer graphics. The course teaches a specialized language for mathematical computation, such as Matlab, and discusses how the language can be used for computation and for graphical output. No prior knowledge of linear algebra, probability, or statistics is assumed.

**Elements of Discrete Mathematics**

CSCI-GA 2340  Prerequisites: May not be taken by students who have received a grade of B or better in CSCI-GA 1170. Staff. 3 points. 2017-18, 2018-19

Introduction to the central mathematical concepts that arise in computer science. Emphasis is on proof and abstraction. Topics include proof techniques; combinatorics; sets, functions, and relations; discrete structures; order of magnitude analysis; formal logic; formal languages and automata.

**Random Graphs**

CSCI-GA 3230  Spencer. 3 points. 2017-18, 2018-19

This course covers numerous topics related to random graphs, including generalized randomized structures, random processes, probabilistic methods and Erdős Magic. Also covered are branching processes, phase transitions for large random evolutions, derandomization via conditional expectations and semidefinite programming derandomization techniques. Algorithms, probability and discrete mathematics all appear, but concepts will be defined from scratch. Emphasis will be on methods of asymptotic calculation.
Honors Analysis of Algorithms
CSCI-GA 3520 Prerequisites: Permission of the Director of Graduate Studies, MS Programs for master’s students. Yap, Siegel, Khot. 4 points. 2017-18, 2018-19
Design of algorithms and data structures. Review of searching, sorting, and fundamental graph algorithms. In-depth analysis of algorithmic complexity, including advanced topics on recurrence equations and NP-complete problems. Advanced topics on lower bounds, randomized algorithms, amortized algorithms, and data structure design as applied to union-find, pattern matching, polynomial arithmetic, network flow, and matching.

Programming Languages and Compilers

Programming Languages
CSCI-GA 2110 Goldberg. 3 points. 2017-18, 2018-19
Discusses the design, use, and implementation of imperative, object-oriented, and functional programming languages. The topics covered include scoping, type systems, control structures, functions, modules, object orientation, exception handling, and concurrency. A variety of languages are studied, including C++, Java, Ada, Lisp, and ML, and concepts are reinforced by programming exercises.

Compiler Construction
CSCI-GA 2130 Prerequisites: CSCI-GA 1170, CSCI-GA 2110, and CSCI-GA 2250. Staff. 3 points. 2017-18, 2018-19
This is a capstone course based on compilers and modern programming languages. The topics covered include structure of one-pass and multiple-pass compilers; symbol table management; lexical analysis; traditional and automated parsing techniques, including recursive descent and LR parsing; syntax-directed translation and semantic analysis; run-time storage management; intermediate code generation; introduction to optimization; and code generation. The course includes a special compiler-related capstone project, which ties together concepts of algorithms, theory (formal languages), programming languages, software engineering, computer architecture, and other subjects covered in the MS curriculum. This project requires a substantial semester-long programming effort, such as construction of a language compilation or translation system that includes lexical and syntactic analyzers, a type checker, and a code generator.

Honors Programming Languages
CSCI-GA 3110 Prerequisite: For master’s students, permission of the Director of Graduate Studies, MS Programs. Cousot. 4 points. 2017-18, 2018-19
The course will introduce a panorama of programming languages concepts underlying the main programming language paradigms (such as imperative, functional, object-oriented, logic, concurrent, and scripting languages) and present in detail the formal methods (code semantics, specification, and verification) used in modern high quality assurance tools for software safety and security. A programming project (design and implementation of an interpreter/compiler for a dynamic object-oriented mini-language) will be programmed in OCaml, a multiparadigm language introduced at the beginning of the course.
Honors Compilers and Computer Languages
CSCI-GA 3130  Prerequisites: For master’s students, permission of the Director of Graduate Studies, MS Programs Staff. 4 points. 2017-18, 2018-19
Lexical scanning and scanner generation from regular expressions; LL, LR, and universal parser generation from context-free grammars; syntax-directed translation and attribute grammars; type and general semantic analysis; code generation, peephole optimization, and register allocation; and global program analysis and optimization. Provides experience using a variety of advanced language systems and experimental system prototypes.

Computer Systems

Open Source Tools
CSCI-GA 2246  Prerequisites: An understanding of modern operating systems and a working knowledge of a programming language, such as C, C++ or Java. Staff. 3 points. 2017-18, 2018-19
This course covers a brief history and philosophy of open source software, followed by an in-depth look at open source tools intended for developers. In particular, we will present an overview of the Linux operating system, command line tools (find, grep, sed), programming tools (GIT, Eclipse, DTrace), web and database tools (Apache, MySQL), and system administration tools. We will also cover scripting languages such as shell and Python.

Operating Systems
CSCI-GA 2250  Gottlieb, staff. 3 points. 2017-18, 2018-19
The topics covered include a review of linkers and loaders and the high-level design of key operating systems concepts such as process scheduling and synchronization; deadlocks and their prevention; memory management, including (demand) paging and segmentation; and I/O and file systems, with examples from Unix/Linux and Windows. Programming assignments may require C, C++, Java, or C#.

Networks and Mobile Systems
CSCI-GA 2620  Prerequisites: A course in undergraduate networks and/or operating systems; programming experience in C/C++ or Java is helpful for the final project. Subramanian. 3 points. 2017-18, 2018-19
A course in computer networks and large-scale distributed systems. Teaches the design and implementation techniques essential for engineering both robust networks and Internet-scale distributed systems. The goal is to guide students so they can initiate and critique research ideas in networks and distributed systems and implement and evaluate a working system that can handle a real-world workload. Topics include routing protocols, network congestion control, wireless networking, peer-to-peer systems, overlay networks and applications, distributed storage systems, and network security.

Data Communications and Networks
CSCI-GA 2262  Prerequisite: Students must have a working knowledge of fundamental data structures and associated algorithms. For some of the practical aspects of the course, a working knowledge of an object-oriented programming language (e.g., C++,
C#, or preferably Java) is expected. An undergraduate course in data communication and networks is helpful but not required. Franchitti. 3 points. 2017-18, 2018-19

This course teaches the design and implementation techniques essential for engineering robust networks. Topics include networking principles, Transmission Control Protocol/Internet Protocol, naming and addressing (Domain Name System), data encoding/decoding techniques, link layer protocols, routing protocols, transport layer services, congestion control, quality of service, network services, programmable routers and overlay networks.

Database Systems
CSCI-GA 2433  Kedem, Franchitti. 3 points. 2017-18, 2018-19


Advanced Database Systems
CSCI-GA 2434  Prerequisites: CSCI-GA 1170, CSCI-GA 2110, and CSCI-GA 2250. Shasha. 3 points. 2017-18, 2018-19

This is a capstone course emphasizing large-scale database systems. This course studies the internals of database systems as an introduction to research and as a basis for rational performance tuning. Topics include concurrency control, fault tolerance, operating system interactions, query processing, and principles of tuning. Database capstone projects involve topics such as design, concurrency control, interactions, and tuning. These projects include some or all of the following elements: formation of a small team, project proposal, literature review, interim report, project presentation, and final report.

Software Engineering
CSCI-GA 2440  Prerequisites: CSCI-GA 1170, CSCI-GA 2110, and CSCI-GA 2250. Franchitti. 3 points. 2017-18, 2018-19

This is a capstone course focusing on large-scale software development. This course presents modern software engineering techniques and examines the software life cycle, including software specification, design, implementation, testing, and maintenance. Object-oriented design methods are also considered. Software engineering projects involve creation of a large-scale software system and require some or all of the following elements: formation of a small team, project proposal, literature review, interim report, project presentation, and final report.

Distributed Computing
CSCI-GA 2631  Prerequisites: CSCI-GA 1170 and CSCI-GA 2250. Staff. 3 points. 2017-18, 2018-19

Concepts underlying distributed systems: synchronization, communication, fault tolerance, and performance. Examined from three points of view: (1) problems, appropriate assumptions, and algorithmic solutions; (2) linguistic constructs; and (3) some typical systems.
Honors Operating Systems
CSCI-GA 3250  Prerequisites: For master's students, permission of the Director of Graduate Studies, MS Programs. Walfish. 4 points. 2017-18, 2018-19

Graphics and Vision

Computer Graphics
CSCI-GA 2270  Prerequisite: CSCI-GA 1170 and MATH-UA 140 (or an equivalent undergraduate course in linear algebra). Perlin, Panozzo. 3 points. 2017-18, 2018-19

Computer Vision
CSCI-GA 2271  Prerequisite: CSCI-GA 1170. Geiger, Fergus. 3 points. 2017-18, 2018-19
Basic techniques of computer vision and image processing. General algorithms for image understanding problems. Study of binary image processing, edge detection, feature extraction, motion estimation, color processing, stereo vision, and elementary object recognition. Mathematical, signal processing, and image processing tools. Relation of computer vision algorithms to the human visual system.

Computational Intelligence

Artificial Intelligence
CSCI-GA 2560  Geiger, Davis. 3 points. 2017-18, 2018-19
There are many cognitive tasks that people do easily and almost unconsciously but that have proven extremely difficult to program on a computer. Artificial intelligence is the problem of developing computer systems that can carry out these tasks. This course covers problem solving and state space search; automated reasoning; probabilistic reasoning; planning; and knowledge representation.

Machine Learning
CSCI-GA 2565  Prerequisites: undergraduate course in linear algebra and strong programming skills for implementation of algorithms studied in class. Recommended: knowledge of vector calculus, elementary statistics, and probability theory. Staff. 3 points. 2017-18, 2018-19
This course covers a wide variety of topics in machine learning, pattern
recognition, statistical modeling, and neural computation. The course covers the mathematical methods and theoretical aspects but primarily focuses on algorithmic and practical issues.

**Foundations of Machine Learning**
CSCI-GA 2566  Prerequisite: CSCI-GA 1180. Mohri. 3 points. 2017-18, 2018-19
This course introduces the fundamental concepts and methods of machine learning, including the description and analysis of several modern algorithms, their theoretical basis, and the illustration of their applications. Many of the algorithms described have been successfully used in text and speech processing, bioinformatics, and other areas in real-world products and services. The main topics covered are probability and general bounds; PAC model; VC dimension; perceptron, Winnow; support vector machines (SVMs); kernel methods; decision trees; boosting; regression problems and algorithms; ranking problems and algorithms; halving algorithm, weighted majority algorithm, mistake bounds; learning automata, Angluin-type algorithms; and reinforcement learning, Markov decision processes (MDPs).

**Web Search Engines**
CSCI-GA 2580  Prerequisites: recommend CSCI-GA 1180 Davis, Staff. 3 points. 2017-18, 2018-19
Discusses the design of general and specialized Web search engines and the extraction of information from the results of Web search engines. Topics include Web crawlers, database design, query language, relevance ranking, document similarity and clustering, the “invisible” Web, specialized search engines, evaluation, natural language processing, data mining applied to the Web, and multimedia retrieval.

**Speech Recognition**
CSCI-GA 2585  Prerequisites: Familiarity with basics in linear algebra, probability and analysis of algorithms. No specific knowledge about signal processing or other engineering material is required. Mohri. 3 points. 2017-18, 2018-19
This course gives a computer science presentation of automatic speech recognition, the problem of transcribing accurately spoken utterances, and presents algorithms for creating large-scale speech recognition systems. The algorithms and techniques presented are now used in most research and industrial systems. The objective of the course is not only to familiarize students with particular algorithms used in speech recognition, but also to use that as a basis to explore general concepts of text and speech, as well as machine learning algorithms relevant to a variety of other areas in computer science. The course will make use of several software libraries and will study recent research and publications in this area.

**Natural Language Processing**
CSCI-GA 2590  Grishman. 3 points. 2017-18, 2018-19
Survey of the techniques used for processing natural language. Syntactic analysis: major syntactic structures of English; alternative formalisms for natural language grammar; parsing algorithms; analyzing coordinate conjunction; parsing with graded acceptability. Semantic analysis: meaning representations; analysis of quantificational structure; semantic constraints; anaphora resolution; analysis of
sentence fragments. Analysis of discourse and dialog. Text generation. Students get some experience using a natural language parser and a natural language query interface. Brief weekly written assignments and a term project involving a mixture of library research and programming (mostly in LISP). This course reviews some of the recent work in this area, including the following topics: statistical models of language; entropy and perplexity; n-gram word models: acquisition and smoothing, part-of-speech models; finite state models: hidden Markov models, acquisition procedures; probabilistic context-free grammars: acquisition procedures; semantic models: word-concurrence, word classes; applications in information retrieval, speech recognition, and machine translation.

**Heuristic Problem Solving**

CSCI-GA 2965  Prerequisites: CSCI-GA 1170 and an ability to prototype algorithms rapidly. Shasha. 3 points. 2017-18, 2018-19

This course revolves around several problems new to computer science (derived from games or puzzles in columns for Dr. Dobb's Journal, Scientific American, and elsewhere). The idea is to train students to face a new problem, read relevant literature, and come up with a solution. The solution entails winning a contest against other solutions. The winner receives candy. The best solutions become part of an evolving “Omnitheurist” Web site that is expected to get many visitors over the years. The course is for highly motivated, mathematically adept students. It is open to supported Ph.D. students and well-qualified master's students. Class size has been around 10 in the past, and instructor and students have all gotten to know one another very well. Algorithmic and programming knowledge is the main prerequisite. It also helps to be familiar with a rapid prototyping language such as Matlab, Mathematica, K, or Python, or to be completely fluent in some other language.

**Logic and Verification**

**Logic in Computer Science**

CSCI-GA 2390  Prerequisites: strong mathematical background and instructor permission for master’s students. Mishra. 3 points. 2017-18, 2018-19

A beginning graduate-level course in mathematical logic with motivation provided by applications in computer science. There are no formal prerequisites, but the pace of the class requires that students can cope with a significant level of mathematical sophistication. Topics include propositional and first-order logic; soundness, completeness, and compactness of first-order logic; first-order theories; undecidability and Godel’s incompleteness theorem; and an introduction to other logics such as second-order and temporal logic.

**Cryptography**

**Applied Cryptography and Network Security**

CSCI-GA 3205  Kedem. 3 points. 2017-18, 2018-19

This course first introduces the fundamental mathematical cryptographic algorithms, focusing on those that are used in current systems. To the extent feasible, the mathematical properties of the cryptographic algorithms are justified, using
elementary mathematical tools. Second, actual security mechanisms and protocols, mainly those employed for network traffic that rely on the previously introduced cryptographic algorithms, are presented. The topics covered include introduction to basic number-theoretical properties, public/private and symmetric key systems, secure hash functions, digital signature standards, digital certificates, IP security, e-mail security, Web security, and stand-alone computer privacy and security tools.

**Introduction to Cryptography**
CSCI-GA 3210  Prerequisites: strong mathematical background. Regen, Dodis. 3 points. 2017-18, 2018-19

The primary focus of this course is on definitions and constructions of various cryptographic objects, such as pseudorandom generators, encryption schemes, digital signature schemes, message authentication codes, block ciphers, and others, time permitting. The class tries to understand what security properties are desirable in such objects, how to properly define these properties, and how to design objects that satisfy them. Once a good definition is established for a particular object, the emphasis will be on constructing examples that provably satisfy the definition. Thus, a main prerequisite of this course is mathematical maturity and a certain comfort level with proofs. Secondary topics, covered only briefly, are current cryptographic practice and the history of cryptography and cryptanalysis.

**Advanced Cryptography**
CSCI-GA 3220  Prerequisite: CSCI-GA 3210. Dodis. 3 points. 2017-18, 2018-19


**Computation for Science and Society**

**Financial Software Projects**
CSCI-GA 2180  Prerequisites: It is assumed that the students can code in C++. No prior experience in the financial sector domain is required. Staff. 3 points. 2017-18, 2018-19

The theme of this course is an “applied case study” and focuses on fixed income markets. Topics covered include an overview of the markets, the inner workings of an investment bank, the market players, and where software engineers fit in. Students will be grouped into small teams to build a financial application using practical software engineering principles. Each team will build a risk management framework, starting with basic components.

**Projects, Seminars, and Research**

**Information Technology Projects**
CSCI-GA 3812  Prerequisites: For MS in IS students: Successful completion of CSCI-GA 1170 Fundamental Algorithms and two of the following three courses: CSCI-GA 2262 Data Communications & Networks; CSCI-GA 2250 Operating Systems; CSCI-GA 2433 Database Systems. For MS in CS students: Successful completion of CSCI-GA 1170 Fundamental Algorithms, CSCI-GA 2110 Programming Languages, and CSCI-GA 2250 Operating Systems. Permission of the
This is a capstone course which includes on-site practical training that connects students directly with real-world information technology problems. The goal of this course is to teach the skills needed for success in real-world information technology via a combination of classroom lectures and practical experience with large projects that have been specified by local “clients.” The typical clients are primarily companies, but can also be government agencies or nonprofit organizations. Each project lasts for the entire semester and is designed to involve the full software project life cycle. Examples of such projects are development of software to solve a business problem, including specifying requirements, writing and testing prototype code, and writing a final report; and evaluation of commercial software to be purchased to address a business problem, including gathering requirements, designing an architecture to connect the new software with existing systems, and assessing the suitability of available software products.

Advanced Laboratory
CSCI-GA 3813  Prerequisites: permission of the faculty project supervisor and the Director of Graduate Studies. Staff. 1-3 points per term for master’s students, 1-12 points per term for Ph.D. students. 2017-18, 2018-19
Large-scale programming project or research in cooperation with a faculty member or a professional internship that includes on-site practical training.

Master's Thesis Research
CSCI-GA 3840  Prerequisite: approval of a faculty adviser and the Director of Graduate Studies for the M.S. programs. Staff. 3-6 points. 2017-18, 2018-19

Ph.D. Research Seminar
CSCI-GA 3850  Prerequisite: permission of the instructor. Staff. 1 point. 2017-18, 2018-19
Graduate seminars serve as loosely structured forums for exploring research topics from broad areas of computer science. They are designed to foster dialogue by bringing together faculty and students from a given area and to encourage the exchange of ideas. As such, they bridge the gap between more structured course offerings and informal research meetings.

Ph.D. Thesis Research
CSCI-GA 3860  Prerequisite: permission of the thesis adviser or director of graduate studies for the Ph.D. program. Staff. 1-12 points per term. 2017-18, 2018-19

Special Topics in Computer Science
CSCI-GA 3033  Prerequisites vary according to topic. Staff. 3 points. 2017-18, 2018-19
Topics vary each semester. Recent offerings:
Algorithmic and Economic aspects of the Internet
.Net Web Application Development
Advanced Machine Learning
Big Data Application Development
Big Data and ML Systems
Cloud Computing
Distributed Systems
DevOps
Geometric Modeling
Graphics Processing Units (GPUs): Architecture & Programming
Integrating Machine Learning to Computer Vision
Multicore Programming
Music Software Projects
Practical Computer Security
Predictive Analytics
Principles of Software Security
Production Quality Software
Rapid Prototyping, Lean Engineering and Agile Development
Social Multiplayer Games
Social Networks
Virtual Machines: Concepts and Applications
Vision Meets Machine Learning
Realtime & Big Data Analytics
Statistical Natural Language Processing
PROGRAMS AND REQUIREMENTS

Master of Fine Arts
The M.F.A. in Creative Writing is designed to offer students an opportunity to concentrate intensively on their writing. This program is recommended for students who may want to apply for creative writing positions at colleges and universities, which often require the M.F.A. degree. The M.F.A. program does not have a foreign language requirement.

Requirements for the Master of Fine Arts degree include the completion of 32 points (eight 4-point courses) and the following specific requirements: (1) Four graduate creative writing workshops taken in four separate semesters (16 points). (2) One to four craft courses (The Craft of Poetry, CRWRI-GA 1950, or The Craft of Fiction, CRWRI-GA 1960), taught by members of the CWP faculty. Craft courses may be repeated provided they are taught by different instructors (4 to 16 points). (3) Any remaining courses chosen from any department with the permission of that department and of the director of the CWP. (4) A creative special project in poetry or fiction, consisting of a substantial piece of writing—a novella, a collection of short stories, or a group of poems—to be submitted in the student's final semester. The project requires the approval of the student’s faculty adviser and of the director of the CWP.

To qualify for the degree, a student must have a GPA of at least 3.0, must complete a minimum of 24 points with a grade of B or better, and may offer no more than 8 points with a grade of C (no more than 4 points with a grade of C in creative writing workshops). A student may take no more than 36 points toward the degree.

The M.F.A. degree may also be earned through the Low Residency M.F.A. Writers Workshop in Paris. Under this model, degree requirements remain the same, although Craft courses and Workshops take the form of individualized courses of study with the faculty, including four packet exchanges of student work per semester. All students earning the M.F.A. degree through the low-residency program must also participate in five ten-day residencies in Paris, which involve a diverse series of series of readings, special events, faculty mentorship meetings, and professional development panels.

as.nyu.edu/cwp
58 West 10th Street
New York, NY 10011-8702
Phone: 212-998-8816

DIRECTOR OF THE CREATIVE WRITING PROGRAM:
Deborah Landau

FACULTY


Deborah Landau, Clinical Professor (English), Director. Ph.D. 1995 (English) Brown University; M.A. (English), Columbia; B.A. (English) Stanford University.

Sharon Olds, Professor (English). Ph.D. 1972 (English), Columbia; B.A. 1964, Stanford. Poetry; community outreach; creative writing.


Facilities

NYU’s distinguished Creative Writing Program is located the Lillian Vernon Creative Writers House at 58 West 10th Street, which has become a vibrant New York literary landmark known for its lively readings and salons. The Lillian Vernon Creative Writers House allows writers—established and emerging—to share their work in an inspiring setting. Students come to the house to attend workshops, craft classes, and special events. The beautiful reception floor, which features skylights and stained glass by 19th century master D. Maitland Armstrong, is an ideal setting for the intimate readings, literary salons, panel discussions, book parties, lectures, and seminars that are held in the house throughout the year.

COURSES

Creative Writing Workshops

Workshop in Poetry I, II
CRWRI-GA 1910, 1911  Prerequisite: admission to the Creative Writing Program. Barnett, Komunyakaa, Olds, Rohrer, visiting faculty. 4 points per term. 2017-2018, 2018-2019
Discussion of students’ own work. Students are expected to bring in a new poem each week. They may be asked to memorize several great poems of their choosing. Regularly scheduled conferences with the instructor.

Workshop in Fiction I, II
CRWRI-GA 1920, 1921  Prerequisite: admission to the Creative Writing Program. Englander, Safran Foer, Straus, Wachtel, visiting faculty. 4 points per term. 2017-2018, 2018-2019
Regular submission and discussion and analysis of student work in one or more fictional modes (short story, short novel, novel), with examination of relevant readings illustrating point of view, plot, setting, characterization, dialogue, and aspects of style. Regularly scheduled conferences with the instructor.

Craft Courses

These courses are restricted to creative writing students.

The Craft of Poetry
CRWRI-GA 1950  Barnett, Carson, Komunyakaa, Landau, Rohrer, visiting faculty. 4 points.
Poetry from the point of view of the writer. Study of major examples of the poetic tradition to disclose the technical choices confronted by their authors. Discussion of ways of producing rhythm in language; formal and free verse; metaphor; syntax; the line; revision; and so on. Students may be asked to memorize poems. Complemented by the study of critical works.
The Craft of Fiction
CRWRI-GA 1960  Safran Foer, Smith, Straus, Wachtel, visiting faculty. 4 points.
Fiction from the point of view of the writer. Study and analysis of major examples of the novel, novella, and short story to disclose the technical choices confronted by their authors. Consideration of theme and its formulation; choice of protagonists and minor characters; techniques of characterization; point of view; reflexivity and the author’s relation to his or her material; structure of the narrative; deployment of symbol and image clusters; and questions of rhythm, style, tone, and atmosphere. Complemented by the study of critical works.
ADVANCED CERTIFICATE IN CULTURE AND MEDIA

This program provides students with a focused course of graduate studies combining theory, practice, and research, integrated with M.A. and Ph.D. degree programs in cinema studies, the Ph.D. in anthropology, and the Ph.D. in comparative literature. Students may not take courses in the Program in Culture and Media unless they are enrolled in the above programs at NYU or have permission from the instructor. Students pursuing a Ph.D. in other departments may integrate culture and media coursework into their studies for their degree in consultation with their dissertation committee.

The advanced certificate requires the completion of 30 points of course work. Required courses for all students are the following: Culture and Media I: Critical History of Ethnographic Film, ANTH-GA 1215/ CINE-GT 1402, Culture and Media II: Ethnography of Media, ANTH-GA 1216/ CINE-GT 1403, Cultural Theory and the Documentary, CINE-GT 2001, Sight and Sound Documentary, CINE-GT 1999, Video Production Seminar I, II, ANTH-GA 1218, 1219, and an approved elective course building on student research interests.

For all students, Culture and Media I: Critical History of Ethnographic Film, ANTH-GA 1215/ CINE-GT 1402, Culture and Media II: Ethnography of Media, ANTH-GA 1216/ CINE-GT 1403, Cultural Theory and the Documentary, CINE-GT 2001, and the approved elective course may count toward both their primary degree and the advanced certificate so doctoral students may complete both programs with 86 points total. For cinema studies students, all cinema studies courses, CINE-GT, count toward the M.A. or Ph.D., so the M.A. with advanced certificate can be completed with 44 points and the Ph.D. with 80 points total.

FACILITIES

Resources

The Department of Anthropology has a film and multisystem video theatre that seats up to 40 and has an excellent collection of over 1,000 ethnographic film and video works, as well as a unique collection of indigenous media. The Department of Cinema Studies has a collection of over 1,000 films. New York University's Avery Fisher Music and Media Center has over 2,000 documentaries available to students in its video library facility. In addition, some of the best film, video, and broadcast libraries are available in New York City, including the Donnell Film Library, Museum of Modern Art Film Library, and the National Museum of the American Indian Film and Video Center.
Center for Media, Culture, and History

The program works closely with the Center for Media, Culture, and History, directed by Professor Faye Ginsburg and Associate Director Pegi Vail. The Center sponsors fellows, screenings, lectures, and conferences and integrates concerns of faculty and students from the Departments of Anthropology, Cinema Studies, as well as other programs, including the Center for Religion and Media and the NYU Council for the Study of Disability. The Center for Media, Culture, and History addresses issues of representation, social change, and identity construction embedded in the development of film, television, video, and new media worldwide. For more information about the Center, visit the Web site at nyu.edu/gsas/program/media.

COURSES

Culture and Media I: History and Theory of Ethnographic Film
ANTH-GA 1215/CINE-GT 1402  Ganti, Ginsburg, Stout, Vail. 4 points.
Fall semester 2017-18, 2018-19

This course offers a critical revision of the history of the genre of ethnographic film, the central debates it has engaged around cross-cultural representation, and the theoretical and cinematic responses to questions of the screen representation of culture, from the early romantic constructions of Robert Flaherty to the observational cinema tradition, to sensory ethnography to current work in film, tv, video, and digital platforms on the part of indigenous people throughout the world. Ethnographic film has a peculiar and highly contested status within anthropology, cinema studies, and documentary practice. This seminar situates ethnographic film within the wider project of the representation of cultural lives, and especially of “natives.” Starting with what are regarded as the first examples of the genre, the course examines how these emerged in a particular intellectual context and political economy. It then considers the key works that have defined the genre and the epistemological and formal innovations associated with them, addressing questions concerning social theory, documentary, as well as the institutional structures through which they are funded, distributed, and seen by various audiences. Throughout, the course keeps in mind the properties of film as a signifying practice, its status as a form of knowledge, and the ethical and political concerns raised by cross-cultural representation. Students work on the Margaret Mead Film Festival as part of the course.

Culture and Media II: Ethnography of Media
ANTH-GA 1216/CINE-GT 1403  Ganti, Ginsburg. 4 points. Spring semester, 2017-18, 2018-19

In the 21st century, a new field—the ethnography of media—has emerged as an exciting new arena of research. While claims about media in people’s lives are made on a daily basis, surprisingly little research has actually attempted to look at how media is part of the naturally occurring lived realities of people’s lives. Anthropologists and media scholars interested in film, television, video, radio and digital media have been turning their attention increasingly beyond the text and

Toby Lee. Assistant Professor (Cinema Studies), Co-Director, Program in Culture and Media for Cinema Studies; Ph.D. 2013 (anthropology/film and visual studies/sensory ethnography lab) Harvard; M.Phil., 2004 (modern Greek literature) Oxford; BA 2002 (anthropology & modern Greek studies) Columbia. Visual and media anthropology; the anthropology of cultural institutions; cultural citizenship; film festival studies; expanded documentary; and the interface of art, anthropology and documentary.


Pegi Vail, Associate Director, Center for Media, Culture and History. Ph.D. 2004 (anthropology), M.Phil. (anthropology) 2003, M.A. (anthropology) 1997 New York, B.A. 1984 St. Michael’s College. Documentary and ethnographic film; media anthropology; indigenous media; political economy of tourism in the developing world; cultural and environmental sustainability; globalization; storytelling


AFFILIATED FACULTY

Anna McCarthy, Cinema Studies; Robert P. Stam, Cinema Studies.
empiricist notions of audiences to consider, ethnographically, the complex social worlds in which media is produced, circulated, and consumed, at home and elsewhere. This work theorizes media studies from the point of view of cross-cultural ethnographic realities and anthropology from the perspective of new spaces of communication focusing on the social, economic, and political life of media and how it makes a difference in the daily lives of people as a practice, whether in production, reception, or circulation. Students are encouraged to develop their own research projects.

**Cultural Theory and the Documentary**
CINE-GT 2001  *Lee. 4 points.* Spring Semester, 2017-18, 2018-19

This course considers the actual and possible forms of relation between theories of culture and society and the mode of nonfiction cinema known as (social) documentary. From one perspective, theory is a discourse of explanation that is applied, concurrently or retroactively, to the images of culture presented in documentary films: films present raw material of culture to be theorized aesthetically, sociologically, psychologically, historically, politically, and so on. But at the same time, documentary filmmaking can be conceived as an intellectual discourse, what its founders called “a method of philosophic reasoning” (Paul Rotha), one meant to reflect or challenge certain cultural and social ideas. Despite the order of terms in the title of this course, what theory means to documentary, and vice versa, has always been an open question. This course explores various ways to answer the question.

**Sight and Sound Documentary**
CINE-GT 1999  *Williams. 6 points.* First summer session (six weeks), 2017-18, 2018-19

This intensive, six-week summer course (mid May to late June) teaches students to look at their world and to develop the ability to create compelling and dramatic stories in which real people are the characters and real life is the plot. Through close study and analysis of feature-length and short documentaries, and hands-on directing, shooting, sound recording, editing, and re-editing, students rigorously explore the possibilities and the power of nonfiction storytelling for film and video. The course is a dynamic combination of individual and group production work.

**Video Production Seminar I, II**
ANTH-GA 1218, 1219  *Open only to students in the Program in Culture and Media. Limited to 10 students. Prerequisites: ANTH-GA 1215/CINE-GT 1402, CINE-GT 1999, and permission of the instructor. Furjanic, Ginsburg, Stout, Vail. 4 points per term (8 total). 2017-18, 2018-19*

Year-long seminar in ethnographic documentary video production using state-of-the-art digital video equipment for students in the Program in Culture and Media. The first portion of the course is dedicated to instruction, exercises, reading, and familiarizing students with fundamentals of video production and their application to a broad conception of ethnographic and documentary approaches. Assignments undertaken in the fall raise representational, methodological, and ethical issues in approaching and working through an ethnographic and documentary project. Students develop a topic and field site for their project early in the fall term, begin
their shooting, and complete a short (5- to 10-minute) edited preview tape by the end of this semester. This work should demonstrate competence in shooting and editing using HDV camera/audio and Final Cut Pro nonlinear editing systems. Students devote the spring semester to intensive work on independent projects, continuing to shoot and edit, presenting work to the class and completing their (approximately 20-minute) ethnographic documentaries. Student work is presented and critiqued during class sessions, and attendance and participation in crews for independent projects as well as in group critiques and lab sessions is mandatory. Students should come into the class with project ideas already well-developed. Students who have not completed the work assigned in the first semester are not allowed to register for the second semester. There is no lab fee, but students are expected to provide their own videotapes. In addition to class time, there are regular technical lab sessions on the use of equipment.
PROGRAMS AND REQUIREMENTS

Master of Science

Admission to the Master of Science in Data Science requires substantial but specific mathematical competencies, typical of a major in mathematics, statistics, engineering, physics, theoretical economics, and computer science with sufficient mathematical training. In addition, applicants should have some training in programming and basic computer science. To be considered for the program, applicants will be required to have taken: Calculus I, Linear Algebra, Introduction to Computer Science (or equivalent programming course), one of Calculus II, Probability, Statistics or an advanced physics, engineering, or econometrics course with heavy mathematical content. Preference is given to applicants with prior exposure to machine learning, computational statistics, data mining, large-scale scientific computing, research operations, research (either in an academic or professional context), as well as to applicants with significantly more mathematical and/or computer science training than the minimum requirements listed above. Applicants must submit the following to support your application for admission: GRE scores, TOEFL or IELTS (All applicants whose native language is not English and who have not received a university degree in an English-speaking country), official college transcripts, and three letters of recommendation.

The curriculum is 36 credits, half of which are required courses and half of which are electives. One of the key features of the MS in Data Science curriculum is a capstone project that makes the theoretical knowledge gained in the program operational in realistic settings. During the project, students go through the entire process of solving a real-world problem; from collecting and processing real-world data, to designing the best method to solve the problem, and finally, to implementing a solution. The problems and datasets come from real-world settings identical to what might be encountered in industry, academia, or government.

Students must complete these required courses: DS-GA-1001, Intro to Data Science, DS-GA-1002, Statistical and Mathematical Methods for Data Science, DS-GA-1003, Machine Learning and Computational Statistics, DS-GA-1004, Big Data, DS-GA-1005, Inference and Representation, and DS-GA-1006, Capstone Project in Data Science. Students normally complete the degree requirements in 2 years (four semesters).

Doctor Of Philosophy

The Committee welcomes applications from candidates with relevant undergraduate and master’s degrees and candidates with work or research experience in data
science. Relevant degrees include: mathematics, statistics, computer science, engineering, and other scientific disciplines that develop skills in drawing inferences or making predictions using data. Coursework or equivalent experience in calculus, probability, statistics, and programming is required.

The curriculum is 15 credits of required courses and 57 credits of elective courses. The goal of the program is to provide PhD students the research training needed to move the field of data science forward and to prepare them for rewarding careers in academia and industry.

Students must complete the following required courses: DS-GA-1001, Intro to Data Science, DS-GA-1002, Statistical and Mathematical Methods for Data Science, DS-GA-1003, Machine Learning and Computational Statistics, DS-GA-1004, Big Data, and DS-GA-1005, Inference and Representation. PhD students are also required to pass a Comprehensive Exam, the Depth Qualifying Exam (DQE), the Dissertation Proposal presentation, and the Dissertation.

**FACILITIES**

The Data Science program facilities are currently housed in the Center for Data Science. The Center offers a large open area concept plus private areas for study, research, collaboration, and presentations. Data science graduates are also provided educational and research computing resources through a network of servers and desktop workstations running Linux and Solaris. Students also have access to state-of-the-art high-performance computing infrastructure (nyu.edu/life/information-technology/research-and-data-support/high-performance-computing). In addition, individual research groups have various resources, including a variety of Linux and Windows PCs. Access to the Internet is provided through a T3 connection. Many other research machines provide for abundant access to a variety of computer architectures. For example, research groups in graphics, multimedia, vision, and motion capture have video and editing facilities, a unique motion-capture laboratory, and access to related facilities at the Tisch School of the Arts. The bioinformatics group has a cluster of fast PCs for computing whole genome sequencing and mapping. The distributed computing group manages a dedicated cluster of PCs and workstations for experiments in robust distributed systems. The Center for Data Science maintains a set of servers for use by students in its courses and for research projects in the center.

**COURSES**

**Intro to Data Science**

DS-GA 1001  *Prerequisites: experience in programming in Java, C, C++, Python, R, Lua, Ruby, OCaml or similar language equivalent to two introductory courses.*  
3 points. 2017-18, 2018-19

Introduces students to basic software algorithms and software tools, teaches how to deal with data, representing data, and methodology. Provides hands-on experience using Torch, a software system being developed at NYU and other research centers that has a large data science library.
Probability and Statistics for Data Science
DS-GA 1002 Prerequisites: calculus and linear algebra at the undergraduate level.
Carlos Fernandez-Granda. 3 points, 2017-18, 2018-19
This course covers fundamental concepts in probability and statistics from a
data-science perspective.

Machine Learning and Computational Statistics
DS-GA 1003 Prerequisites: DS-GA-1001 or undergraduate course in machine
learning, experience in programming in Java, C, C++, Python, R, Lua, Ruby,
OCaml or similar language equivalent to two introductory courses. 3 points.
2017-18, 2018-19
The course covers a wide variety of topics in machine learning, pattern recognition,
statistical modeling, and neural computation. It covers the mathematical methods
and theoretical aspects, but primarily focuses on algorithmic and practical issues.

Big Data
DS-GA 1004 Prerequisites: DS-GA-1001 or equivalent undergraduate course,
DS-GA-1002. Juliana Freire. 3 points, 2017-18, 2018-19
This course covers methods and tools for automatic knowledge extraction from
very large datasets. Methods include on-line learning, feature hashing, class
embedding, distributed databases, map-reduce framework, and applications.

Inference and Representation
DS-GA 1005 Prerequisites: DS-GA-1004. Joan Bruna. 3 points, 2017-18, 2018-19
This course covers graphical models, causal inference, and advanced topics in
statistical machine learning.

Capstone Project and Presentation in Data Science
DS-GA 1006 Claudio Silva. 3 points, 2017-18, 2018-19
The purpose of the capstone project is to make the theoretical knowledge acquired
by the students operational in realistic settings. During the project, students see
through the entire process of solving a real-world problem: from collecting and
processing real-world data, to designing the best method to solve the problem,
and implementing a solution. The problems and datasets come from real-world
settings identical to what the student would encounter in industry, government,
or academic research. Students will work individually or in small groups on a
problem that typically will come from industry and involve an industry-sourced
dataset, but could also be provided by academic research groups inside or outside
NYU. A list of such problems will be available early in the semester and students
would select a problem aligned with their personal interests. Students with similar
interests could form groups of 2 or 3. The selection of problems to work on and
the formation of the groups will be approved by the course director. Each program
team would be supervised by the course instructor and advised by a project advisor
form the academic or industry group that originated the project.

Programming for Data Science
DS-GA 1007 3 points, 2017-18, 2018-19
The Programming for Data Science course is aimed at providing students with
the skills necessary to use Python for data analysis in scientific computing.
In particular the course will cover Python 2.7, the NumPy package for scientific computing, the pandas data analysis library, including reading and writing of CSV files, the IPython and PyDev development environments, and the Matplotlib 2D plotting library. The course will also provide an introduction to best-practice software engineering techniques and Unix command line tools.

**Deep Learning**

DS-GA 1008  *Prerequisites: DS-GA 1001 or a graduate-level machine learning course. 3 points. 2017-18, 2018-19*

This course concerns the latest techniques in deep learning and representation learning, focusing on supervised and unsupervised deep learning, embedding methods, metric learning, convolutional net and recurrent nets, with applications to computer vision, natural language understanding, and speech recognition.

**Practical Training for Data Science**

DS-GA 1009  *3 points. 2017-18, 2018-19*

**Independent Study in Data Science**

DS-GA 1010  *1-3 points. 2017-18, 2018-19*

**Natural Language Processing with Representation Learning**

DS-GA 1011  *Prerequisites: undergraduate level probability and statistics, undergraduate level linear algebra, undergraduate level calculus, DS-GA 1003 or CSCI-UA.0480-007. 3 points. 2017-18, 2018-19*

How should human languages be understood and analyzed? This course examines modern computational approaches based on representation learning for understanding, processing and using human language. These include neural network-based deep learning methods and vector-space models of word meaning, and together will give the tools to build state-of-the-art models for hard language understanding tasks like translation.

**Natural Language Understanding and Computational Semantics**

DS-GA 1012  *Prerequisites: at least one class with a substantial Python programming component, a graduate-level machine learning course. 3 points. 2017-18, 2018-19*

Since at least the proposal of the Turing test, building computational systems that can communicate with humans using natural language has been a central goal for AI research. Understanding real, naturally occurring human language is the key to reaching this goal. This course surveys recent successes in language understanding and prepares students to do original research in this area, culminating with a substantial field project. The course will focus on text, but will touch on the full range of applicable techniques for language understanding, including formal logics, statistical methods, distributional methods, and deep learning, and will bring in ideas from formal linguistics where they can be readily used in practice. This course will discuss tasks like sentiment analysis, word similarity, and question answering, as well as higher level issues like how to effectively represent language meaning.
Optimization-Based Data Analysis
DS-GA 1013  Prerequisites: probability, calculus, linear algebra, experience in programming. 3 points. 2017-18, 2018-19
This course provides a unifying description of optimization-based methods designed to tackle data-analysis problems, including sparse regression, compressed sensing, super-resolution, matrix completion, clustering and manifold learning. The course will analyze large techniques from a mathematical and algorithmic point of view and describe their application to a wide range of practical problems.
PROGRAM IN

Digital Humanities and Social Sciences

PROGRAMS AND REQUIREMENTS

Master of Science

Students in the MS in DH & SS program will take five required programming courses that have a particular focus on objects of study central to the liberal arts. These project-based courses will challenge students to think rigorously and creatively about how to collect, manipulate, analyze, and present data in ways that provide insight into substantive questions in the humanities and social sciences. In tandem with taking the required five programming courses, students will have the freedom to choose three electives from among a broad range of graduate level courses in the humanities and social sciences.

The MS in DH & SS culminates in a capstone seminar wherein students will creatively apply the technical skills and subject knowledge they have accumulated toward a project of their own design. The project-based nature of the program will not only equip students with coding and computer science skills, but also provide them with the valuable opportunity to apply those skills in creative and innovative ways.

Students who complete the MS program will be fluent in a variety of programming languages and applications, particularly Python and R. They will be able to:

- Retrieve and clean web-based data of all kinds.
- Analyze texts and images computationally for pattern and structure.
- Populate and manipulate large databases.
- Construct informative and engaging data visualizations.
- Conduct basic statistical analyses.
- Build interactive websites to allow users to directly engage with underlying datasets.
- Think creatively about how to deploy computer science-based tools in the context of specific projects.

Students in the program can pursue their own interests through their choice of electives.

For example, a student interested in journalism might take Journalism electives in order to develop expertise in the use of programming-based tools to visualize and present data for a general audience, across a variety of media outlets.

A student interested in literature might take electives in English, Comparative Literature, and/or the language departments in order to develop expertise in the analysis of literary texts using computer-science based tools, a rapidly developing field.
A student interested in the preservation of historical and cultural knowledge might take courses in History in order to better understand how to preserve historical and cultural documents in searchable and user-friendly digital archives, knowledge that is valuable in a variety of settings such as museums, archives, and the public sector.

A student interested in art and/or archaeology might take courses at the Institute for the Study of the Ancient World and/or in the Museum Studies program in order to gain insight into how computer science-based tools can help in the study and presentation of artistic and archeological artifacts.

A student interested in public policy and governance might take a series of electives in Politics and International Relations in order to gain insight into the use (and misuse) of data by governmental actors, and the opportunities to use programming-based tools to improve the quality of information used in policy making.

The examples above are intended not to be exhaustive, but rather merely to illustrate curricular possibilities. Students might also choose to take electives across disciplines in order to gain the particular subject knowledge most suited to their own interests.


Students will select three elective courses from among the graduate courses offered in GSAS. Qualified students may take a placement test to place out of Introduction to Programming, CSCI-GA 1120, and, with the approval of the Program Director, substitute a more advanced programming course from among those offered in the Department of Computer Science.

Students normally complete the degree requirements in 2 years (four semesters). However, it is possible to complete the degree in 1 academic year, starting with a fall semester.

Advanced Certificate in Digital Humanities

The Advanced Certificate in Digital Humanities is open to students who wish to earn the Advanced Certificate as a stand-alone program. This program can be completed in one year. Learning objectives:

- Computational literacy and critical thinking.
- Digital publication and content management systems.
- Design of data: understanding, manipulating, and analyzing.
- Professional development.
The Advanced Certificate in Digital Humanities is a 20-point program offering comprehensive training through three required core courses worth 12 points and electives totaling 8 points.


Plus electives totaling 8 points in the department of their choice.

Faculty advisors will work with students to recommend electives most appropriate to their scholarly and professional objectives. Some students will wish to deepen their engagement with particular methodological approaches, while others will wish to invest more study in digital approaches within a particular discipline.

**COURSES**

**Introduction to Programming**  
CSCI-GA 1120  *Staff. 4 Points.* 2017-18, 2018-19  
This course introduces students to the fundamentals of computer programming as students design, write, and debug computer programs using the programming language Python. No knowledge of programming is assumed.

**Working with Data**  
CSCI-GA 1121  *Staff. 4 Points.* 2017-18, 2018-19  
Students study the principles of relational database design and learn to build, populate, manipulate and query databases using SQL on datasets relevant to their interests. Students will also explore data presentation through data visualization.

**Web Development**  
CSCI-GA 1122  *Staff. 4 Points.* 2017-18, 2018-19  
This course provides a project-based approach to web programming and development. Students study the principles of web design and each student builds several interactive websites based on content relevant to his/her interests.

**Programming Applications**  
CSCI-GA 1123  *Staff. 4 Points.* 2017-18, 2018-19  
This course introduces additional important programming concepts in the context of building projects using Python. Students will design and implement Python projects in a variety of applied areas such as textual analysis, image processing, data analysis and visualization, and others.

**Statistics: Understanding and Using Data**  
DHSS-GA 1100  *Staff. 4 Points.* 2017-18, 2018-19  
Students learn the programming language R and use it in a variety of settings to analyze and visualize data. They consider problems of causal inference and learn to implement designs that address these problems. They learn techniques to analyze and visualize network, spatial, and textual data.
Capstone Project
DHSS-GA  2000 Staff: 4 Points. 2018-19
Students apply the technical skills they have mastered in the development of an independent research project of their own design. Students are required to write a project proposal, interim and final reports, and do a formal presentation.
Master of Arts

The M.A. program is designed to accommodate both full-time and part-time students. It requires a minimum of three semesters of full-time study. The time limit for completion of the degree is five years for both full- and part-time students.

Admission to the M.A. program in economics is limited to students of outstanding promise. First and foremost, we aim to admit students with excellent training in economics and quantitative methods—that is, students with grades of A-, A or A+ in economics and mathematics courses at undergraduate level. More specifically, strong applicants will meet the following requirements: GRE Quantitative Reasoning score > 80th percentile (= 159 on new scale); GRE Analytical Writing score > 80th percentile (= 5.0); GRE Verbal Reasoning score > 50th percentile (@ 150), two undergraduate calculus courses (or one calculus & one linear algebra course), one statistics course & one course in econometrics, intermediate microeconomics and intermediate macroeconomics, plus four other undergraduate economics courses, overall GPA of 3.5 and above at the undergraduate level, and TOEFL > 105 (internet-based version) (TOEFL requirement is for international students only). A strong application will have ‘A’ grades in most of these courses (i.e. undergraduate economics, calculus, statistics & econometrics). Please note that we only accept GRE scores. The GRE general test is required for all applicants. No exceptions are granted. GMAT will not be accepted in place of the general GRE. We evaluate applications on their general merits. What is important is the total picture of an applicant's competence, not performance on an individual criterion.

Course of Study: Formal requirements for the Master of Arts degree in economics are the satisfactory completion of graduate studies totaling at least 32 points and the writing of a special project report. In order to graduate, students must complete at least 24 points within the Department of Economics at New York University (i.e., courses with an ECON-GA prefix). Transfer credits do not count toward this requirement. Most courses carry 3 points; the special project carries 2 points. Students must have a cumulative GPA of at least 3.0 with 18 points of B or better. Students may take 8 points outside the Department of Economics.

The M.A. degree requires five core courses, five elective courses, and a special project in economic research. The five core courses are Mathematics for Economists, ECON-GA 1001, Microeconomic Theory, ECON-GA 1003, Macroeconomic Theory I, ECON-GA 1005, Applied Statistics and Econometrics
Advanced Certificate in Applied Economic Analysis

The department offers an advanced certificate program in applied economic analysis with areas of study in economic development and international economics. The Advanced Certificate program is only available to NYU master’s students in economics. Participating students must take the required core courses (listed above) and complete the M.A. special project report. After receiving the M.A. degree, students may continue their studies to earn an advanced certificate with the opportunity to focus on one of the areas of study. A minimum of six specialized courses is required. When certain required courses are not offered, the department may substitute other appropriate courses to satisfy the requirements for the advanced certificate.

Economic Development: Requirements for the M.A. include: the core courses plus Economic Development I, ECON-GA 1603, Topics in Economics, ECON-GA 3001, 3002, where appropriate, and additional elective points to complete the required 32 points, plus a special project report. For the advanced certificate, three additional courses must be selected from International Trade, ECON-GA 1505, International Finance, ECON-GA 1506, Latin American Economics, ECON-GA 1605, and, where appropriate, Topics in Economics, ECON-GA 3001, 3002. A total of 41 points at minimum is required to earn both the M.A. and the advanced certificate.

International Economics: Requirements for the M.A. include the core courses plus International Trade, ECON-GA 1505, International Finance, ECON-GA 1506, Money and Banking, ECON-GA 1402, Topics in Economics, ECON-GA 3001, 3002, where appropriate, and additional elective points to complete the required 32 points, plus a special project report complete the requirements for the M.A. For the advanced certificate, three additional courses must be selected from Economic Development I, ECON-GA 1603, Topics in Economics, ECON-GA 3001, 3002, where appropriate, and at the Stern School of Business, International Competition and the Multinational Enterprise, MGMT-GB 2385, Global Banking and Capital Markets, FINC-GB 3387, and International Financial Management, FINC-GB
3388. A total of 41 points at minimum is required to earn both the M.A. and the advanced certificate.

**Dual Degree Master of Arts In Economics and Juris Doctor**

The M.A./J.D. dual degree program offers a well-rounded education in law and in economics. The M.A. component is especially strong in economic theory, both on the micro and macro levels, as well as in the applied fields of international economics, development and political economy. The Law School curriculum is a comprehensive program of instruction leading to the professional degree Juris Doctor, which requires 83 points. The M.A./J.D. dual degree program requires the satisfactory completion of 95 points, a savings of 20 points compared to doing both degrees independently, because the student can apply 8 approved Law School points to the MA degree, and the student can apply 12 approved GSAS course points towards the J.D.

**Joint Master of Arts in Africana Studies and Economics**

Refer to Africana Studies section of the bulletin for more information.

**Doctor of Philosophy**

To qualify for a doctorate, a student must satisfactorily complete graduate studies totaling at least 72 points (at least 64 in residence at New York University), pass two Ph.D. qualifying examinations in microeconomics and macroeconomics, and fulfill the requirements for two fields of specialization, such as economic theory (including game theory), monetary theory and macroeconomics, political economy, econometrics, industrial organization, international economics, labor economics, development economics, and experimental economics. Students must also write and present a third-year paper and, finally, defend an acceptable dissertation.

Course requirements are Mathematics for Economists I ECON-GA 1021, Microeconomic Theory I and II, ECON-GA 1023 and ECON-GA 1024; Macroeconomic Theory I and II, ECON-GA 1025 and ECON-GA 1026; Econometrics I and II, ECON-GA 2100 and ECON-GA 2101. Ph.D. students must also register for at least two 3000-level courses (advanced courses, seminar/workshops).

After completing their coursework and field requirements and submitting a satisfactory third-year paper, a student is asked to submit a formal dissertation proposal which serves as the basis for a preliminary oral examination. When the dissertation is completed and approved by three faculty members, a public oral examination is held, at which research results are presented and defended by the candidate before a faculty committee.

**Dual Degree Doctor of Philosophy and Juris Doctor**

The Department of Economics offers a Ph.D./J.D. dual degree program with the School of Law. The Ph.D. requires 72 points of coursework, of which 12 Law
School points will be accepted. Up to 12 points of Graduate School credit will also be counted toward the J.D. degree. The dual degree program therefore requires a total of 131 points, 71 at the School of Law and 60 at the Graduate School of Arts and Science. Because some of the credits earned in each program will count toward the other degree, it is possible to complete the course requirements for both degrees in five years of full-time study.

Those interested in this dual degree must apply to and be accepted by both New York University School of Law and New York University Graduate School of Arts and Sciences, either simultaneously or during the first year of study at the Law School.

**COURSES**

**Core M.A. Courses and Special Research Project**

**Mathematics for Economists**


This course is designed to render a systematic exposition of certain mathematical methods and to relate these mathematical techniques to the various type of economic analysis. The course provides a working knowledge of the concepts of sets, set operations, functions, matrix algebra, differentiation of a function containing one or more variables, techniques for unconstrained and constrained optimization—first order differential equations and an introduction to optimal control theory. To integrate these mathematical subjects with economic analysis, they are organized along the following distinct types of economic study: static equilibrium analysis, comparative static analysis, maximization/minimization problems and economic growth problems. The various analyses focus on both micro and macroeconomic theories.

**Microeconomic Theory**


Applied microeconomics relating to the firm in various markets and household behavior.

**Macroeconomic Theory I**


An introduction to dynamic general equilibrium macro models, focusing on micro-foundations, long-run growth, short-run fluctuations, fiscal and monetary policy.

**Applied Statistics and Econometrics I**

ECON-GA 1101  *Prerequisite: undergraduate statistics course or permission of the instructor. Lentzas, McCarthy.* 3 points. 2017-2018, 2018-2019

Review and introduction of topics in probability and statistics needed to understand applied statistics and econometric techniques for quantitative research and analysis. The topics reviewed include random variables, discrete
and continuous probability distributions, mathematical expectations, estimation and inference. The topics introduced include simple and multivariate regression models, least squares estimation, hypothesis testing, and specification analysis.

**Applied Statistics and Econometrics II**

ECON-GA 1102  
_Prererequisite: ECON-GA 1101 or permission of the instructor._  
_Lentzas, McCarthy._ 3 points. 2017-2018, 2018, 2019

Introduction of topics needed to understand advanced applied statistics and econometric techniques for quantitative research and analysis. Topics include the Generalized Regression Model, Instrumental Variables, Systems of Equations, Panel Data Analysis, Discrete Choice Models and Time Series Analysis.

**Special Project in Economic Research**

ECON-GA 3200  
_Alonso, Garlow, Leonard, Levanon._ 0.5-2 points. 2017-2018, 2018-2019

Students integrate economic theory, empirical techniques, and analytical tools to solve real-world problems. Students undertake (1) a comprehensive and critical literature survey of an applied topic in recent economic literature and (2) original analytical and/or empirical work on that topic.

**ELECTIVE M.A. COURSES**

**Monetary Economics**

Money and Banking

ECON-GA 1402  
_Skoorka._ 3 points. 2017-2018, 2018-2019

The role of money in the economy—monetary institutions, monetary theory (the old and new quantity and Keynesian theories), monetary policy goals, methods, and problems, with special emphasis on banking regulation.

Regulation of Financial Institutions

ECON-GA 2401  

What caused the financial crisis of 2007-2008? Where were the financial system regulators before, during, and after the crisis? This course explores these questions by examining the fundamental roles and weaknesses of the banking system both conceptually and by considering earlier banking crises. The functioning and increasing importance of the shadow banking system, the significance of mortgage markets and financial derivatives, and the management of complex financial institutions as well as legislation and regulation that has been implemented since the crisis are critically examined. While the course focuses primarily on the US, other countries’ financial markets are not ignored. The method of instruction involves both class lectures and student presentations and papers.

**International Economics**

Latin American Economics International Trade

ECON-GA 1505  
_Prererequisite: ECON-GA 1003 or permission of the instructor._  
_Staff._ 3 points. 2017-2018, 2018-2019
Comparative advantage; endowment, mobility, allocation, and earnings of productive factors; trade restriction (tariffs, quotas); customs unions.

**International Finance**
ECON-GA 1506  Prerequisite: ECON-GA 1003, ECON-GA 1005 or permission of the instructor. Weinberg. 3 points. 2017-2018, 2018-2019
An assessment of how an open macroeconomy adjusts to disequilibria in its balance of payments. Models of macroeconomic adjustment and exchange rate variations will be meshed with examination of how those theories stand up in the light of real-world cases. Topics include balance of payments accounting, the transfer problem, internal and external balance, demand and monetary adjustment, devaluation, exchange-rate determination and the world monetary system.

**Economic Growth and Development**
ECON-GA 1603  Pre- or corequisite: ECON-GA 1003 or permission of the instructor. Harper. 3 points. 2017-2018, 2018-2019
This course provides an overview of problems of growth and development, with an emphasis upon less developed countries, transition economies and industrialized countries undergoing extensive liberalization. It will examine the vigorous debates that have taken place regarding economic development. Why do some economies grow, while others do not? Are the great differences in the wealth of nations due mainly to differences in the quality of their institutions and economic policies?

**Political Economy of the Pacific Basin**
ECON-GA 2620  Denoon. 4 points. 2017-2018, 2018-2019
This course will evaluate recent trends in East Asian and Pacific economic and political developments, the character of economic growth, the nature of the political systems, and implications of recent dynamism. Overall trends are analyzed with discussion focused on three distinct regions: Northeast Asia, Southeast Asia, and the Pacific Islands.

**General Economic Theory**
ECON-GA 2041  Paganelli. 3 points. 2017-2018, 2018-2019
We look at how today’s vital economic questions have been answered differently through time. Questions such as: What is money and how do we use it? Why do we trade? What is debt and when does it become dangerous? What is self-interest? Does economics depend on selfishness? How is it related to other aspects of human behaviour? What is rationality? Why do we observe differences in wage rates? Why are some countries rich and others poor? Why is economics called the dismal science? The course is taught by theme rather than chronologically, allowing us to treat each idea through the thought of a number of great economic thinkers.

Repeated games; noncooperative solution concepts; bargaining; bounded rationality.

Diego Perez, Assistant Professor, Ph.D. 2015, Stanford University; B.A. 2007, Universidad de Montevideo.
Macroeconomics, international finance.

Jonas Prager, Associate Professor. Ph.D. 1964, Columbia University; B.A. 1959, Yeshiva University.
Privatization; banking regulation.

Game theory; development economics; microeconomic theory.

Austrian economics; law and economics; microeconomics; game theory; income distribution; inequality and polarization; coalition formation in games.

Martin Rotemberg, Assistant Professor. Ph.D. 2015 Harvard University; B.A. 2008 Williams College.
Development and growth

Economics theory; decision theory; game theory.

Thomas J. Sargent, Professor. Ph.D. 1968, Harvard University; B.A. 1964, University of California (Berkeley).
Applied time series analysis; macroeconomics; monetary economics; macroeconomic theory.

Experimental economics; game theory; theory of economic institutions.

Ennio Stacchetti, Professor; Ph.D. 1983 (computer sciences), M.S. 1980 (computer sciences), Wisconsin (Madison).
Game theory; microeconomic theory.
PH.D. COURSES

Basic Economic Theory for Ph.D. Students

Mathematics for Economists I  
ECON-GA 1021 Prerequisite: ECON-GA 1001 or equivalent. Ok, Staff. 4 points. 2017-2018, 2018-2019  

Mathematics for Economists II  
ECON-GA 1022 Prerequisite: ECON-GA 1021 or permission of instructor. Ok, Staff. 4 points. 2017-2018, 2018-2019  

Microeconomic Theory I  
ECON-GA 1023 Pre- or corequisite: ECON-GA 1021 or permission of the instructor. Bisin, Rubinstein, Staff. 4 points. 2017-2018, 2018-2019  
Decision theory, theory of the firm, and consumer behavior; introduction to general equilibrium theory and welfare economics.

Microeconomic Theory II  
ECON-GA 1024 Prerequisite: ECON-GA 1023. Stacchetti, Panov, Staff. 4 points. 2017-2018, 2018-2019  
Game theory, including extensive form solution concepts, bargaining, and repeated games; information economics, contract theory and mechanism design.

Macroeconomic Theory I  
ECON-GA 1025 Pre- or corequisite: ECON-GA 1021. Borovicka, Sargent, Staff. 4 points. 2017-2018, 2018-2019  
The course consists of two parts. The first part covers dynamic programing methods, their theoretical foundations and applications (e.g., job search and consumption/saving problems), and develops links between macroeconomic theory and time-series econometrics. The second part studies general equilibrium for economies with infinitely lived agents and with overlapping generations, reviews several competitive equilibrium concepts, and explores the macroeconomic effects of fiscal policy.

Macroeconomic Theory II  
ECON-GA 1026 Prerequisite: ECON-GA 1025 or permission of the instructor. Gertler, Lagos, Staff. 4 points. 2017-2018, 2018-2019  
The course covers a number of foundational topics in macroeconomics, such as asset pricing, real and monetary models of business cycles, optimal fiscal and monetary policy, general equilibrium models of search and their applications, and economies with incomplete markets.
Econometrics I
ECON-GA 2100  Prerequisite: ECON-GA 1021 or permission of the instructor. 
Vuong, Menzel, Staff. 4 points. 2017-2018, 2018-2019
Concise introduction to probability theory and to the problem and methods of statistical inference as encountered and applied in econometrics: maximum likelihood theory, method of moments, method of least squares, and hypothesis testing.

Econometrics II
ECON-GA 2101  Prerequisite: ECON-GA 2100 or permission of the instructor. 
Christensen, Cogley, Staff. 4 points. 2017-2018, 2018-2019
Theory and applications of time series econometrics. Generalized method of moments and maximum likelihood plus brief introductions to spectral analysis and Bayesian estimation.

General Economic Theory
Evolution of Economic Thought
ECON-GA 2041  Paganelli, Staff. 3 points. 2017-2018, 2018-2019
We look at how today’s vital economic questions have been answered differently through time. Questions such as: What is money and how do we use it? Why do we trade? What is debt and when does it become dangerous? What is self-interest? Does economics depend on selfishness? How is it related to other aspects of human behaviour? What is rationality? Why do we observe differences in wage rates? Why are some countries rich and others poor? Why is economics called the dismal science? The course is taught by theme rather than chronologically, allowing us to treat each idea through the thought of a number of great economic thinkers.

Game Theory I
ECON-GA 2113  Prerequisite: ECON-GA 1024 or permission of the instructor. 
Mathevet, Staff. 4 points. 2017-2018, 2018-2019
Introduction to noncooperative game theory. Covers Bayesian games, refinements of Nash equilibrium, repeated games, and optimal mechanism design.

Experimental Economics
ECON-GA 2114  Frechette, Staff. 4 points. 2017-2018, 2018-2019
Studies experimental methods and reviews the literature in an effort to give the student a working knowledge of experimental techniques. While the areas of application vary, the course is research oriented.

Game Theory II
ECON-GA 2115  Prerequisites: ECON-GA 1023, ECON-GA 1024, and ECON-GA 2113, or permission of the instructor. Madsen, Staff. 4 points. 2017-2018, 2018-2019
Overview of cutting-edge research in dynamic contracting and markets set in continuous time with delivery of information via Brownian motions. Brief primer on probability theory, stochastic processes, and stochastic calculus. In-depth discussion of models of moral hazard, mechanism design, games, and asymmetric information in markets.
Quantitative Economics

Income Distribution in the United States
ECON-GA 1108  Prerequisites: ECON-GA 1003, ECON-GA 1023, and ECON-GA 1101, or permission of the instructor. Wolff, Staff. 4 points. 2017-2018, 2018-2019
This course surveys of income distribution and empirical evidence for the United States. It covers three major topics: (1) the measurement of inequality, poverty, and mobility; (2) theories and explanations of inequality, poverty, and mobility in the U.S., with some comparisons to other countries of the world; and (3) the role of public policy in reducing inequality and alleviating poverty.

Financial Economics

Financial Economics I
ECON-GA 2021  Prerequisites: ECON-GA 1023, ECON-GA 1024, ECON-GA 1025, and ECON-GA 1026, or permission of the instructor. Borovicka, Staff. 4 points. 2017-2018, 2018-2019
Introduction to the study of financial markets and asset pricing from the perspective of economic theory. Topics include equilibrium economies with a representative and heterogeneous agents; equilibrium economies with incomplete markets, borrowing constraints and transaction costs, limited stock market participation, private information, limited commitment; non-standard preferences and belief formation. While the stress is on modeling and tools, the course also introduces empirical methodologies to compare theory to evidence on asset prices.

Financial Economics II
ECON-GA 2022  Prerequisite: ECON-GA 1021 or permission of the instructor. Williams, Staff. 4 points. 2017-2018, 2018-2019
Gives Ph.D. students an introduction to the economic theory of dynamic economies in general equilibrium used in the study of financial economics. Gives also an advanced survey of the field of financial economics and introduces students to some topics at the frontier of current research in financial economics.

Empirical Asset Pricing
ECON-GA 2023  Prerequisite: ECON-GA 1023, ECON-GA 1024, ECON-GA 1025, ECON-GA 1026, ECON-GA 2100, ECON-GA 2101 or permission of the instructor. Ludvigson, Staff. 4 points. 2017-2018, 2018-2019
Introduction to empirical asset pricing.

Monetary Economics

Advanced Macroeconomics I
ECON-GA 2403  Prerequisites: ECON-GA 1022 and ECON-GA 1026, or permission of the instructor. Midrigan, Staff. 4 points. 2017-2018, 2018-2019
Analyzes real models of economic fluctuations. Presents “classical” models, i.e., models for which equilibrium allocations are efficient, and “nonclassical” real models, including models with fiscal distortions, productive externalities, and imperfect competition.
Advanced Macroeconomics II  
ECON-GA 2404  Prerequisite: ECON-GA 2403 or permission of the instructor.  
Staff. 4 points. 2017-2018, 2018-2019  
Focuses on the monetary and financial aspects of economic fluctuations and 
business cycle models discussed in Advanced Macroeconomics I, by introducing 
money, nominal rigidities, and financial intermediation. Emphasis is on the role 
and effects of monetary policy, both in theory and data.

International Economics

Theory of International Finance  
ECON-GA 1501  Prerequisites: ECON-GA 1023 and ECON-GA 1025, or 
permission of the instructor. Staff. 4 points. 2017-2018, 2018-2019  
The balance of payments, foreign exchange markets, adjustment mechanisms, 
capital movements, gold and other monetary reserves, and reforms of the system.

Theory of International Trade  
ECON-GA 1502  Prerequisite: ECON-GA 1023 or permission of the instructor.  
Staff. 4 points. 2017-2018, 2018-2019  
Comparative advantage; endowment, mobility, allocation, and earnings of 
productive factors; trade restriction (tariffs, quotas); customs unions.

Economic Growth and Development

Theory of Economic Development I  
ECON-GA 1601  Pre- or corequisite: ECON-GA 1003, ECON-GA 1023, or 
permission of the instructor. Staff. 4 points. 2017-2018, 2018-2019  
Development macroeconomics with class sessions on the theory, stylized facts, and 
empirics of economic growth, factor accumulation vs. TFP growth, increasing vs. 
constant returns, misallocation and the determinants of total factor productivity, 
historical roots of development, and the intersection between development and 
culture, political economy, political institutions, and foreign aid, and finally the 
interaction between macro and micro in development.

Theory of Economic Development II  
ECON-GA 1602  Prerequisites: ECON-GA 1023, ECON-GA 1025, and 
Development microeconomics, with class sessions on the intersection of 
development with education, health, finance, industrial organization, contracts, 
labor markets, migration, agricultural markets, environment, and behavioral 
economics. Will focus on recent empirical research and applications to 
development policy.
Labor Economics

Labor Economics I
ECON-GA 1701  
Prerequisites: ECON-GA 1003 and ECON-GA 1005, or ECON-GA 1023 and ECON-GA 1025, or permission of the instructor. Flinn, Staff.  
4 points. 2017-2018, 2018-2019  
Focuses on dynamic models of labor market behavior. Reviews dynamic optimization theory and develops the model of job market search. The baseline model for analyses of labor market dynamics at the industrial level and the search model are used to discuss estimation issues and to build partial equilibrium models of the labor market. Other models of equilibrium wage determination include signaling models, matching models, and models with asymmetric information and moral hazard (efficiency wages). Considers theory and empirical implications of the human capital investment model, with applications to occupational choice and the effect of cohort size on human capital investment and earnings outcomes.

Labor Economics II
ECON-GA 1702  
Prerequisite: ECON-GA 1701 or permission of the instructor. Staff. 4 points. 2017-2018, 2018-2019  
Focuses on household decision making in both static and dynamic contexts. Develops models of family decision making using both neoclassical and bargaining theories. Examines the differences in the empirical implications of the two types of models. Considers labor supply issues and the economics of the marriage market, fertility, welfare programs, econometric issues, and endogenous sample selection.

Industrial Organization

Industrial Organization I
ECON-GA 1801  
Prerequisite: ECON-GA 1023 or permission of the instructor. Jovanovic, Staff. 4 points. 2017-2018, 2018-2019  
Technological innovation, diffusion, research and development, firm behavior, market structure, and entry and exit of firms. Entrepreneurial choice. Schumpeterian competition. Welfare analysis of above topics.

Industrial Organization II
ECON-GA 1802  
Prerequisite: ECON-GA 1801. Lazarev, Staff. 4 points. 2017-2018, 2018-2019  
Covers selected topics of recent interest in industrial organization, with an emphasis on transitioning Ph.D. students into research. The topics may include price discrimination, entry deterrence and predation, dynamic games, auctions.

Research Topics, Seminars, and Workshops

Reading and Research in Economics
ECON-GA 3000  
Only for PhD students working on their dissertations. Prerequisites: permission of the adviser and the department. 1-6 points per term. 2017-2018, 2018-2019
Topics in Economics
ECON-GA 3001, 3002  2-4 points per term.  2017-2018, 2018-2019
Topics of current interest are examined in detail. Students are notified in advance
of the topic(s) to be covered. Three or more sections are offered each semester, each
covering a different topic.

Research Workshops
Research workshops typically have professors from other universities present their
recent work. Students at the dissertation level also present their work in these
workshops. The department offers five workshops.

Workshop in Microeconomics Research
ECON-GA 3003, 3004  Prerequisites: all required courses for Ph.D. students. Staff.
4 points per term.  2017-2018, 2018-2019
Students, faculty members, and visitors present research in progress for discussion
and critical comment.

Workshop in Macroeconomic Research
ECON-GA 3005, -3006  Prerequisite: ECON-GA 1026. Staff. 4 points per term.
2017-2018, 2018-2019
Doctoral-level course consisting of a series of seminar presentations in
macroeconomics by students, faculty, and guests. Emphasis is on research in
progress. Topics include inflation, employment and labor markets, monetary and
fiscal theory and policy, consumption and saving behavior, investment and capital
formation, and aggregate supply and growth.

Applied Econometrics Workshop
ECON-GA 3007, 3008  Prerequisite: permission of the instructor. Staff. 4 points per
Doctoral-level workshop consisting of a series of seminar presentations in applied
economics by students, faculty, and guests. Emphasis is on issues involving panel
data, macro-, development, and labor economics.

Colloquium on Market Institutions and Economic Processes
ECON-GA 3402  Prerequisite: permission of the instructor. Rizzo, Staff. 4 points.
2017-2018, 2018-2019
Discussion of current research in the Austrian economics tradition. Themes treated
include subjectivism, the market as dynamic process, and entrepreneurship. Ideas
are applied to both micro and macro issues. Discusses papers written by students
and by faculty from New York University and other universities.

Workshop in International Economics
ECON-GA 3501, 3502  Prerequisite: ECON-GA 1501, ECON-GA 1502, or
permission of the instructor. Staff. 4 points per term.  2017-2018, 2018-2019
Advanced workshop for doctoral students pursuing dissertation topics in
international trade and finance. Presentation of student research and dissertation
proposals and original research papers by guests and members of the faculty.
PROGRAMS AND REQUIREMENTS

Master of Arts

Admission: Applicants must submit completed applications and the following supporting documentation: a statement of purpose, Graduate Record Examination (GRE) general test results, one official copy of the transcript from each university previously attended, and three letters of recommendation. In addition, applicants for the M.A. program in English and American literature must also submit a writing sample (20-25 pages). The department considers applications for the M.A. program in English and American literature for fall admission only. Applicants for the M.A. programs are accepted into that program only; admission to the PhD program requires submission of an application to the PhD program. Applicants whose native language is not English must submit Test of English as a Foreign Language (TOEFL) results unless they have received their undergraduate degree from an accredited American college or university or from a college or university where the language of instruction is English. Near-native fluency in English is crucial for successful completion of all the programs offered by the department. All application materials and supporting documents must be submitted on-line through Graduate Enrollment Services (see the GSAS Application for Admission and Financial Aid for instructions). Applications submitted directly to the department are not considered. The department withdraws from consideration all applications that are missing supporting documents one month after the posted deadline. Applicants for the M.A. program with a concentration in creative writing should consult admission instructions and program requirements listed under Creative Writing.

Requirements for the Master of Arts degree in English and American literature include the completion of 32 points, 24 of which must be earned through course work taken within the English department, including the following specific course requirements: A mandatory 3-point seminar, Introduction to Advanced Literary Study for M.A. Students, ENGL-GA 2980, to be taken in the first term of matriculation and one literature course focused in each of the following three historical periods: pre-1700, pre-1850, and post 1850. Students must also submit a special project totaling about 9,000 words (i.e., 30 to 35 pages), written under the supervision of a department faculty member within the context of a required 1-point course Guided Research, ENGL-GA 3001, for which the student is registered in an appropriate semester during the student’s period of matriculation. The special project may be a revision of a paper written at an earlier point in the student’s M.A. career or prior to its commencement, or an entirely new undertaking, as deemed appropriate by the student’s faculty adviser and the director of graduate studies.
To qualify for the degree, a student must have a GPA of at least 3.0, must complete a minimum of 24 points with a grade of B or better, and may offer no more than 8 points with a grade of C. A student may take no more than 36 points toward the degree.

Doctor of Philosophy

Admission: Applicants must submit completed applications and the following supporting documentation: a statement of purpose, Graduate Record Examination (GRE) general test results, one official copy of the transcript from each university previously attended, and three letters of recommendation. In addition, applicants for the Ph.D. program in English and American literature must also a writing sample (20-25 pages). The department considers applications for the Ph.D. program in English and American literature for fall admission only. Applicants whose native language is not English must submit Test of English as a Foreign Language (TOEFL) results unless they have received their undergraduate degree from an accredited American college or university or from a college or university where the language of instruction is English. Near-native fluency in English is crucial for successful completion of all the programs offered by the department. All application materials and supporting documents must be submitted online through Graduate Enrollment Services (see the GSAS Application for Admission and Financial Aid for instructions). Applications submitted directly to the department are not considered. The department withdraws from consideration all applications that are missing supporting documents one month after the posted deadline.

Requirements for the Doctor of Philosophy degree in English and American literature include the completion of 72 points and the following specific course requirements: Four doctoral seminars, selected from ENGL-GA 3100 through ENGL-GA 3969, Guided Research, ENGL-GA 3002, in preparation for Doctoral Examination, Dissertation Seminar I, ENGL-GA 3981, in preparation for submission of the dissertation proposal, Dissertation Seminar II, ENGL-GA 3982, consisting of oral defense of the Dissertation Proposal and beginning of writing and research of dissertation, Pedagogy, ENGL-GA 3985, taken during the first semester in which teaching is anticipated, and Workshop on Professional Practices, ENGL-GA 3980, which must be taken in the student’s fourth year in the program.

Students must also pass the Doctoral Examination, based on two individualized reading lists covering two historical fields (one of which is designated the major field, and the other the minor field) and a third topics list. The examination fields are: medieval; Renaissance; 18th-century British; Romantic; 19th-century British; 20th-century British; American: beginning to 1865; American: 1865 to present; African American literature; colonial and postcolonial studies; literature of the Americas; transatlantic studies; and modern drama. The written examination is supervised by a committee of three faculty members chosen by the student.

Students must also demonstrate language proficiency beyond the English language. This requirement may be satisfied either before or after matriculation at NYU by demonstrating either (a) advanced proficiency in one language by completing the
sixth term of an acceptable college language course with a grade of B or better or by passing a language examination at a comparable level of proficiency or (b) proficiency in two languages by completing the equivalent of four semesters of acceptable college work. The final course or examination establishing proficiency must have been completed no more than two years prior to matriculation for the Ph.D. program. The language(s) offered must be relevant to the dissertation research and scholarly practice of the field in which the student intends to work, and the department reserves the right to require a particular language on these grounds. Any student whose first language is not English should see the director of graduate studies to discuss the use of that language to fulfill (or partially fulfill) the requirement.

The final requirement is a completed dissertation and an oral defense of the dissertation. The dissertation must be approved for defense by the director and core committee before the examination is convened. Some revision, including the mandatory correction of any errors, may be required as a result of the defense. The examining board consists of five members of the graduate faculty, the core committee plus two additional committee members. In this final examination, the candidate is questioned for one hour on the dissertation. If the candidate fails the oral defense of the dissertation, a second examination is permitted, resulting either in a pass or in elimination from the Ph.D. program.

Concentration in Medieval and Renaissance Studies: The concentration in Medieval and Renaissance Studies is interdisciplinary in nature and creates a framework and community for diverse approaches to the study of the Middle Ages and Renaissance. It complements doctoral students’ work in their home departments with interdisciplinary study of the broad range of culture in the medieval and early modern periods, as well as of the theories and methods that attend them. The concentration is designed to train specialists who are firmly based in a traditional discipline but who can work across disciplinary boundaries, making use of varied theoretical approaches and methodological practices. The concentration consists of twenty credits distributed under the following courses: Proseminar in Medieval and Renaissance Studies, MEDI-GA 1100, Late Latin and Early Vernaculars, MEDI-GA 2100 or other approved course, and Medieval and Renaissance Studies Workshop, MEDI-GA 2000, 2 points per semester taken twice in an academic year. Students must also take one approved course in the area of Medieval and Renaissance Media: Visual and Material Cultures, and one approved course in a medieval or early modern topic. At least one course, not counting either the Proseminar or Workshop, must be taken outside a student’s home department. In addition, students pursuing the concentration will present a paper at least once either in the Workshop or in a conference offered by the Medieval and Renaissance Center.


Victorian literature and culture; history of the novel; postcolonial literature; critical theory, especially of gender and sexuality.

Toral J. Gajarawala, Associate Professor (English, comparative literature). Ph.D. 2004 (comparative literature), California (Berkeley); M.A. 1999 (comparative literature), New York; B.A. 1997, Tufts.

Postcolonial literature and theory.


English Renaissance literature; interrelationships of literature and the visual arts; literature and medicine.


Media history; American print culture; new media in historical context; techniques of inscription.


Renaissance poetry; Shakespeare; Milton; literature and science in the Renaissance; history of criticism; sociology of literary study; 20th-century literary theory.

Richard Halpern, Erich Maria Remarque Professor of Literature Ph.D. 1983 Yale; B.A. 1976, Connecticut College.

Renaissance literature; Shakespeare; literary theory; modernism; Greek drama.


Twentieth-century English and U.S. literature; contemporary U.S. cultural studies; African American literature and culture; gender and sexuality theory.
COURSES

Proseminars

Introduction to Advanced Literary Study for M.A. Students
ENGL-GA 2980  Required for the M.A. degree. McLane, Crain, Fleming, Siskin, Maynard, Vargo. 3 points. 2017-18 and 2018-19
An introduction to major methodological and theoretical approaches to literature and culture through the close reading and contextualization of select literary works.

MA Thesis Colloquium for M.A. Students
ENGL-GA 2075  Required for the M.A. degree. McLane, Vargo, McHenry, Maynard. 0 points. 2017-18 and 2018-19
The M.A. thesis colloquium is designed to support students researching, writing, and revising their theses (a project of about 30-35 pages or 9000 words).

Workshop on Professional Practices
ENGL-GA 3980  Parikh, Augst. 4 points. 2017-18 and 2018-19
The Workshop on Professional Practices is intended to acquaint advanced Ph.D. students with the protocols of the profession and to offer them some experience in crafting four kinds of documents crucial to advancement in the profession, such as the curriculum vitae (cv), the conference paper, the fellowship application, the dissertation abstract, and the job letter.

Dissertation Seminar I
ENGL-GA 3981  Required for the Ph.D. Parikh. 4 points. 2017-18 and 2018-19
Prepares doctoral students in their third year for submission of the dissertation proposal.

Dissertation Seminar II
ENGL-GA 3982  Required for the Ph.D. Parikh, 4 points. 2017-18 and 2018-19

Pedagogy
ENGL-GA 3985  Required for the Ph.D. Baker, Parikh. 4 points. 2017-18 and 2018-19
Provides a basic foundation in pedagogy and a forum for doctoral students to learn elements of effective teaching of undergraduates at the university level.

Language And Linguistics

Introductory Old English
ENGL-GA 1060  Hoover, Momma. 4 points. 2017-18
This course is designed for students who are interested in the language, literature, and culture of England up to the Norman Conquest of 1066. It will provide solid practice in the language and close reading of texts, both canonical and not-quite-canonical, while introducing students to cultural and historical backgrounds, representative secondary material, and the reception of the Middle Ages in the modern era.

Josephine Gattuso Hendin, Tiro A Segno Professor of Italian American Studies; Professor. Ph.D. 1968, M.A. 1965, Columbia; B.A. 1964, City College (CUNY).
Contemporary American literature and culture; psychology and literature; ethnicity and literature; creative writing.

Linguistic stylistics; computers and the humanities; human and animal language and cognition; Old English meter.

Julia Jarcho, Assistant Professor. Ph.D. 2013, M.A. 2008 (rhetoric), California (Berkeley); B.A. 2004 (literature), Harvard.
Theater and drama; modernism; literary theory.

18th-century British literature & culture; Enlightenment philosophy; history & theory of the novel; affect & cognitive studies; Jane Austen; animal studies; Asian American literature

Reader theory; biography; sexuality and literature; cultural studies; Victorian literature; modern literature.

Eighteenth-century literature and cultural history; history of the book; media ecology.

Introductory Middle English
ENGL-GA 1061 Dinshaw, Rust. 4 points. 2017-18
Study of representative prose and verse texts from 1100 to 1500, read in the original dialects, with emphasis on the continuity of literary traditions and creative innovation.

Development of the English Language
ENGL-GA 2044 Hoover, Momma. 4 points. 2017-18
History of the English language from its beginnings in the fifth century to the present, with special emphasis on the Indo-European origins of English; Old and Middle English; internal developments in phonology, morphology, syntax, and vocabulary; and the rise of a standard dialect.

Studies in Early Medieval English Literature
ENGL-GA 2270 Momma, Cannon. 4 points. 2017-18 and 2018-19
This course will examine various early medieval literature of Britain, composed in English, Latin, and possibly one or more other languages, to consider the cultural construct of England prior to 1300. The focus of the investigation will be the modal of will, as it is applied to linguistic (modal auxiliary), literary (will and desire), theological (free will), pastoral (confession and penitence), and legal issues (intention, bequeathal).

Topics in the English Language
ENGL-GA 2072 Hoover, Momma. 4 points. 2017-18 and 2018-19
Are literary criticism and language theory two separate fields of research, or can they inform each other in such a way that we may gain new perspectives through exploring the intersection of literary and linguistic issues? This course will set out to answer these questions by reading various literary texts in conjunction with linguistic thoughts from Plato to contemporary philosophers and linguists.

Literature
Shakespeare
ENGL-GA 1345 Archer, Gilman, Halpern. 4 points per term. 2017-18
Shakespeare’s major comedies, histories, and tragedies.

World Literature in English
ENGL-GA 1764 Gajarawala, Rajan Sandhu, Watson. 4 points. 2017-18
Literature that emerged with the breakup of the British Empire, with representative works from India, Pakistan, Nigeria, Kenya, South Africa, Australia, New Zealand, and Canada.

Topics in Digital Humanities
ENGL-GA 1972 Blake, Hoover, Siskin, Augst. 4 points. 2017-18 and 2018-19
Introduction to scholarly field of digital humanities focusing on particular aspects of discipline-based and cross-disciplinary applications of tools and concepts.


Tomás Urayoán Noel, Assistant Professor. Ph.D. 2008 (Spanish) New York University, M.A. (Spanish) Stanford, 1999, B.A. 1998 Universidad de Puerto Rico, Río Piedras. U.S. Latino/a literatures and cultures; poetry and poetics of the Americas; media and performance studies; the Caribbean and its diasporas; modernisms and avant-gardes; translation studies; multi-ethnic New York City; creative writing.

Crystal Parikh, Associate Professor (English, social and cultural analysis). Ph.D. 2000, M.A. 1995, Maryland (College Park); B.A. 1992 (English and religious studies), Miami. Asian American literature and studies; Latino/Chicano literature and studies; feminist and race theory; postcolonial studies; 20th-century American literature.


Paleography and Codicology
ENGL-GA 2200 Rust. 4 points. 2017-18
A survey of Latin scripts of the European Middle Ages and Renaissance (500-1550) and of methods and materials of medieval book production, introducing the world of the handwritten book and uses of manuscript evidence in literary study. Attention will be given to scripts, to the materials and methods of book production, to developments in page layout and decoration as well as to a series of book genres: from the Bible and Books of Hours, to student notebooks and household miscellanies.

Chaucer I, II
ENGL-GA 2266, 2267 Dinshaw, Rust. 4 points per term. 2017-18
First term: reading and discussion of the text of Canterbury Tales. Second term: Troilus and other works. Situates Chaucer's poetry in the context of diverse genres, historical contexts, and ideas about writing, including the genres of dream vision, romance, and fabliau and the still-tenuous status of a poet writing in the vernacular.

Topics in Medieval Literature I, II
ENGL-GA 2270, 2271 Cannon, Dinshaw, Momma, Rust. 4 points per term. 2017-18 and 2018-19

Topics in Renaissance Literature
ENGL-GA 2323 Archer, Fleming, Gilman, Guillory, Halpern, Wofford. 4 points. 2017-18 and 2018-19

Elizabethan and Jacobean Drama
ENGL-GA 2333 Archer, Gilman, Guillory. 4 points. 2017-18
Marlowe, Jonson, Kyd, Marston, Tourneur, Webster, Middleton, Rowley, Ford, Chapman.

Restoration and Early 18th-Century Literature
ENGL-GA 2521 McDowell, Siskin, Starr. 4 points. 2017-18
The major works of Dryden, Swift, and Pope, together with the works of such contemporaries as Bunyan, Butler, Rochester, Marvell, Behn, Astell, Addison, and Steele.

Topics in 18th-Century Literature I, II
ENGL-GA 2540, 2541 Lee, McDowell, Siskin, Starr. 4 points per term. 2017-18 and 2018-19

The Romantic Movement
ENGL-GA 2620 McLane. 4 points. 2017-18 and 2018-19
British Romantic writers such as Burns, Blake, Wollstonecraft, Wordsworth, Coleridge, Byron, Mary Shelley, Percy Bryce Shelley, Keats, De Quincey, Hazlitt, and Clare are considered in light of genre and formal innovation, literary relationship within this circle of writers, historical and political trends, and modern to contemporary critical reconsiderations of Romanticism.
Topics in Romanticism
ENGL-GA 2626  McLane, Siskin, Ziter. 4 points per term. 2017-18 and 2018-19
Topics within the field of British Romantic literature vary from semester to semester, depending on the instructor. They would characteristically focus on issues associated with critical, historical, and philosophical approaches to Romanticism.

Topics in Victorian Literature
ENGL-GA 2650  Freedgood, Maynard, Robson, Vargo. 4 points. 2017-18 and 2018-19

Modern British Novel
ENGL-GA 2720  Deer. 4 points. 2017-18
The problem of modernism in English prose fiction from Pater to Joyce and Woolf.

Early American Literature
ENGL-GA 2802  Baker, Crain, Waterman. 4 points. 2017-18 and 2018-19
American literature, 1607-1800, in its cultural setting. Topics include the literature of exploration and promotion; American Puritan poetry and prose; writing in the early South and the middle colonies; rise of the epic, the novel, and the theatre during the American Revolution, with related study of music and painting of the period; the beginning of American romanticism.

American Literature: 1800–1865 I, II
ENGL-GA 2810, 2811  Baker, Crain, Waterman. 4 points per term. 2017-18
Poetry, fiction, and nonfiction prose of the United States, from the early national period to the Civil War.

American Literature: 1865–1900
ENGL-GA 2820  Baker, Crain, McHenry, Patell. 4 points. 2017-18
The poetry and fiction of the post-Civil War era, including Dickinson, De Forest, Howells, Twain, Garland, James, Crane, Frederic, Chopin, and Norris.

Topics in American Literature I, II
Studies in major authors and themes.

American Fiction: 1900–1945
ENGL-GA 2841  Hendin, McHenry, Patell. 4 points. 2017-18 and 2018-19

American Fiction 1945–Present
ENGL-GA 2843  Harper, McHenry, Patell. 4 points. 2017-18
Examines works of prose fiction produced in the United States since the end of World War II in 1945.
Topics in Postcolonial Literature
ENGL-GA 2900  Gajarawala, Sunder Rajan, Watson, Young. 4 points. 2017-18 and 2018-19
Intermediate-level study of literary and theoretical works pertaining to the eras of decolonization and globalization.

Topics in Postcolonial Theory
ENGL-GA 2901  Gajarawala, Sunder Rajan, Watson, Young. 4 points. 2017-18 and 2018-19
Introduces M.A. and Ph.D. students to advanced study of postcolonial theory, its forms of philosophical and cultural analysis, and its theoretical advances and difficulties.

Topics in Black Literature

Literature and Philosophy
ENGL-GA 2912  Halpern, Lee. 4 points. 2017-18 and 2018-19
Mutual influence of “literary” and philosophical texts; philosophical and rhetorical terminology; poetics, politics, and law; poetics, aesthetics, and hermeneutics; critique, criticism, and deconstruction; theories of fiction and memory.

Modern British and American Poetry
ENGL-GA 2924  McLane, Nicholls. 4 points. 2017-18
Studies in major poets, with emphasis on the intrinsic character of poems; Hardy, Hopkins, Yeats, Pound, Stevens, Williams, Eliot, Crane, Auden, Thomas, Lowell, and Hughes.

Contemporary Poetry
ENGL-GA 2927  McLane, Nicholls, Noel, Shaw. 4 points. 2017-18 and 2018-19
Approaches to the work of contemporary poets. Context varies yearly.

Modern Drama
ENGL-GA 2930  Blake, Chaudhuri, Jarche, Ziter. 4 points. 2017-18 and 2018-19

The Politics of Culture
ENGL-GA 2934  Parikh. 4 points. 2017-18
This course considers human rights discourses as an interpretative framework for literary and cultural production, emphasizing perspectives from postcolonial and critical American studies.

The Social Life of Paper
ENGL-GA 2944  Fleming, Gitelman. 4 points. 2017-18
Considers the history, production, circulation, and use of paper in the social production of knowledge, the shared imagination of value, and the mutual relations of consumers and commodities.
Contemporary Criticism
ENGL-GA 2954  *Gilman, Harper*. 4 points. 2017-18
Comparative examination of major schools of contemporary criticism, American and European, describing the variety of critical perspectives and how they are interrelated.

Topics in Criticism I, II
Application, exemplification, and reception of literary theory; history of criticism and theory. Critical configurations like the division of the public sphere and private space.

Topics in Literary Theory I, II
Content varies.

History of the Book
Historical, theoretical, and critical approaches to diverse topics relating to literacy, media, and the production and dissemination of knowledge.

Practicum in Digital Humanities
ENGL-GA 2971  *Engel, Hoover, Blake, Augst*. 4 points. 2017-18 and 2018-19
Introduction to web development and digital publication for students in the Humanities. Surveys principles of current technologies for the creation of digital editions and applies them through practice as they learn the skills and techniques for formatting and publishing archival materials in a web-based environment.

Research

Guided Research
ENGL-GA 3001, 3002, 3003, 3004  *Prerequisite: permission of the director of graduate studies. Parikh*. 1-4 points per term. 2017-18 and 2018-19

Doctoral Seminars

Topics in Medieval Literature
ENGL-GA 3269  *Cannon, Dinshaw, Momma, Rust*. 4 points per term. 2017-18 and 2018-19

Topics in Renaissance Literature I, II

Topics in 18th-Century English Literature
ENGL-GA 3536  *Lee, McDowell, Siskin, Starr*. 4 points per term. 2017-18 and 2018-19

VISITING FACULTY

Digital media studies; scholarly communication; contemporary U.S. fiction.

Topics in Romantic Literature I, II
ENGL-GA 3626, 3627  McLane, Siskin. 4 points per term. 2017-18 and 2018-19

Topics in Victorian Literature
ENGL-GA 3650  Freedgood, Maynard, Robson, Vargo. 4 points per term. 2017-18 and 2018-19

Topics in British Fiction from 1890 to the Present
ENGL-GA 3720  Deer. 4 points. 2017-18 and 2018-19

Topics in Early American Literature
ENGL-GA 3802  Baker, Waterman. 4 points. 2017-18 and 2018-19

Topics in American Literature: 1800-1865
ENGL-GA 3810  Augst, McHenry, Waterman. 4 points per term. 2017-18 and 2018-19

Topics in American Literature: 1865-1900

Topics in American Literature Since 1900 I, II
ENGL-GA 3840, 3841  Harper, Hendin, McHenry, Noel, Parikh, Patell, Trujillo. 4 points per term. 2017-18 and 2018-19

Topics in Postcolonial Literature
ENGL-GA 3900  Gajarawala, Sunder Rajan, Watson, Young. 4 points. 2017-18 and 2018-19
Advanced study of literary and theoretical works pertaining to the eras of decolonization and globalization.

Topics in the History of Rhetoric
ENGL-GA 3918  Guillory. 4 points. 2017-18

History of the Book
ENGL-GA 3940  Augst, Crain, McDowell, McHenry, Siskin. 4 points. 2017-18 and 2018-19

Topics in the History of the Production of Knowledge
ENGL-GA 3951  Siskin. 4 points. 2017-18 and 2018-19

Archival Practices and Politics
ENGL-GA 3975  Augst, McHenry. 4 points per term. 2017-18
PROGRAMS AND REQUIREMENTS

Master of Science in Environmental Health Sciences

The M.S. degree program in environmental health sciences is a specialized course of study providing students with the opportunity to develop applicable skills and expertise in a selected subject area. The program is designed for individuals needing graduate training for employment in jobs involving toxicology, pharmaceutical research, worker health and safety, health hazard communication, health risk assessment, and environmental analysis of toxicants, including related areas of administration and technical sales. Potential employers include academia, industry, consulting firms, trade associations, and local, state, and federal governmental agencies. The M.S. program can also serve as a stepping stone to the Ph.D. program in Environmental Health Sciences. The M.S. degree program offers two specialized tracks: environmental toxicology and occupational-environmental hygiene. The occupational-environmental hygiene track specifically focuses on the recognition, evaluation, and control of chemical and physical agents in occupational settings. Students may take relevant courses in other schools within the University, for example, in environmental management and planning, environmental law, risk assessment, and environmental impact assessment. The program of study may be full time or part time. M.S. students are required to attend departmental seminars and journal clubs. Laboratory placements for study pursuing research-based thesis projects may be arranged in consultation with the student's academic adviser. Most courses are offered at the Washington Square campus.

Applicants to the M.S. program in environmental health sciences are generally expected to have a bachelor's degree in a scientific field, such as biology, chemistry, physics, engineering, or a related discipline. Exceptions to this may be made on an individual basis depending on the selected course of study.

Admissions decisions include comprehensive evaluation of all submitted documentation of prior academic performance and experience; statements of academic purpose, recommendation letters, curricula vitae, prior research experience/publications, GPA, GRE and TOEFL scores are all considered to achieve a complete assessment of the applicants potential to successfully complete the EHS M.S. program.
Awarding of the M.S. degree is dependent on the successful completion of 36 points of course work, of which at least 24 points must be taken in residence at the Graduate School of Arts and Science at NYU. The M.S. degree program in environmental health sciences offers two specialized tracks: environmental toxicology and occupational-environmental hygiene. Recommended courses for the environmental toxicology track are Environmental Health, EHSC-GA 1004, Communication Skills for Biomedical Scientists, EHSC-GA 2025, Introduction to Biostatistics, EHSC-GA 2303, Principles of Toxicology, EHSC-GA 2310, and Organ System Toxicology, EHSC-GA 2311. Recommended courses for the occupational-environmental hygiene track are Environmental Health EHSC-GA 1004, Introduction to Biostatistics, EHSC-GA 2303, Principles of Toxicology, EHSC-GA 2310, Principles of Environmental Measurements, EHSC-GA 2035, Environmental Measurements Laboratory I, EHSC-GA 2037, and Introduction to Epidemiology, EHSC-GA 2039. All M.S. students must also complete a special project. Depending on the student’s needs, this may be either a library thesis or a thesis based on a laboratory project performed under the guidance of a faculty member.

**Master of Science in Ergonomics And Biomechanics**

The program in ergonomics and biomechanics (ERBI) offers the Master of Science degree to students who seek an advanced understanding of these complementary disciplines. The ERBI program focuses on musculoskeletal ailments and utilizes a multidisciplinary approach to examine ways of controlling musculoskeletal disorders, injuries, and disabilities. As such, it emphasizes the complex interaction of individual and environmental factors that lead to injury, disease, and/or disability. The ERBI program is part of the New York/New Jersey University Education and Research Center (ERC), Region II of the National Institute for Occupational Safety and Health (NIOSH). These centers serve as regional resources for all those involved with occupational and safety, including industry, labor, government, academia, and the general public. Students attracted to the ERBI program come from all over the world with varied backgrounds such as medicine, physical and occupational therapy, occupational health, environmental health, allied health, basic medical science, engineering, industrial design, safety and health, industrial hygiene, epidemiology, psychology, physics and kinesiology, or health-related sciences with a total mean grade of B (3.0) or higher. Acceptance is based on undergraduate grades, GRE scores, professional or academic experience, letters of recommendation, and an interview. All students are required to have basic anatomy, physics, and calculus as prerequisites.

The ERBI master’s degree requires the successful completion of 36 points of course work. The core courses of the program comprise the 32 of the required credits and include: Biomechanics, EHSC-GA 2101, Introduction to Biostatistics, EHSC-GA 2303, Physical Biomechanics, EHSC-GA 2111, Applied Biomechanics in the Analysis of Human Performance, EHSC-GA 2112, Ergonomics Issues I: Physical Factors in the Workplace, EHSC-GA 2131, Ergonomics Issues II: Environmental Factors in the Workplace, EHSC-GA 2132, Research Methods in Ergonomics and  

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**Marco A. Campello**, Associate Professor, Orthopaedic Surgery, Ergonomics and Biomechanics (ERBI). Director, NYUHJD-OIOC. Ph.D. 2002, M.A. 1990 (ergonomics and biomechanics), New York; B.S. 1985 (physical therapy), Faculdade de Ciências da Saúde do Ipa (Brazil). Work retention; disability management.

**Lung Chi Chen**, Professor, Environmental Medicine. Ph.D. 1983 (environmental health), M.S. 1978 (environmental health), New York; B.S. 1976 (public health), National Taiwan. Inhalation toxicology; exposure-response relationships; air pollution; cardiovascular effects.

**Yu Chen**, Associate Professor, Population Health, Environmental Medicine, Medicine. Ph.D. 2005 (epidemiology); M.R.H. 1999 (health policy and management), Columbia; B.S. 1997 (public health and animal science), National Taiwan. Environmental epidemiology; epidemiology of cancer and other chronic diseases.

**Mitchell D. Cohen**, Associate Professor, Environmental Medicine. Ph.D. 1988 (toxicology/nutrition), M.S. 1984 (toxicology/nutrition), Florida; B.S. 1981 (chemistry/physics), SUNY (Albany). Inhaled pollutants; pulmonary immunotoxicology; lung immune cell iron homeostasis; metal modulation of cytokines; World Trade Center dust health effects.

**Max Costa**, Professor, Environmental Medicine, Biochemistry and Molecular Pharmacology, Chair, Department of Environmental Medicine. Ph.D. 1976 (pharmacology major, biochemistry minor), Arizona; B.S. 1974 (biology), Georgetown. Metal carcinogenesis/toxicology; DNA/protein interactions; DNA damage; histone modifications and epigenetic mechanism of carcinogenesis.
The qualifying examination consists of two stages: a written examination, and the completed dissertation is then defended in a final oral examination. Candidacy for the Ph.D. is achieved through a qualifying examination, at NYU. A minimum of 32 points must be taken in residence in the Graduate School of Arts and Science didactic courses; the remaining can be research and tutorial credits. A minimum of 48 points must be from dissertation, are required for the Ph.D. degree. A total of 72 points, as well as a doctoral dissertation, are required for the Ph.D. degree. At least 48 points must be from didactic courses; the remaining can be research and tutorial credits. A minimum of 32 points must be taken in residence in the Graduate School of Arts and Science at NYU. Candidacy for the Ph.D. is achieved through a qualifying examination, and the completed dissertation is then defended in a final oral examination. The qualifying examination consists of two stages: a written examination, and

Doctor of Philosophy

The Ph.D. degree program in environmental health sciences (EHS) is designed to prepare scientists for active and productive research careers and other professional service. The didactic portion of the program places a particular emphasis on achieving a solid foundation in relevant basic sciences, while the research portion provides trainees with the opportunity to design, conduct, and interpret studies focused on specific scientific issues in environmental health disciplines. The diversity of the research within the program allows trainees to develop skills incorporating their expertise using various investigatory approaches.

Admission is based on a strong academic background in a basic or applied science as judged by prior undergraduate or graduate academic performance, and any relevant work or research experience. Admissions decisions include comprehensive evaluation of all submitted documentation of prior academic performance and experience; statements of academic purpose, recommendation letters, curricula vitae, prior research experience/publications, transcript GPAs, GRE and TOEFL scores and interview outcomes are all considered to achieve a complete assessment of the applicants potential to successfully complete the EHS Ph.D. program.

General Degree Requirements: A total of 72 points, as well as a doctoral dissertation, are required for the Ph.D. degree. At least 48 points must be from didactic courses; the remaining can be research and tutorial credits. A minimum of 32 points must be taken in residence in the Graduate School of Arts and Science at NYU. Candidacy for the Ph.D. is achieved through a qualifying examination, and the completed dissertation is then defended in a final oral examination. The qualifying examination consists of two stages: a written examination, and
the writing and oral defense of a specific research project proposal (doctoral dissertation outline). Doctoral students are required to attend departmental seminars and journal clubs. Students are encouraged to establish early and frequent discussion with members of the faculty and to acquaint themselves with the types of research activities conducted within the department. This enables them to explore mutual interests, which facilitates the ultimate selection of a thesis research mentor. To this end, all first-year pre-doctoral students (ERBI candidates not included) are required to begin participating in a formal series of rotations within laboratories, selected on the basis of their perceived interest and with the advice and approval of their initial academic adviser. Presentations of available research opportunities are given during the first week of each academic year, in an orientation program at which faculty members describe the research opportunities in their laboratories. All students in the EHS Ph.D. degree program (including ERBI Ph.D candidates) are required to take three core courses in environmental health science: Environmental Health, EHSC-GA 1004, Introduction to Biostatistics, EHSC-GA 2303, and Principles of Toxicology, EHSC-GA 2310. In addition, students are also encouraged to take certain courses in the basic sciences, the nature of which depends on their specific area of specialization. These courses might be offered through the Department of Biology, the Program in Basic Medical Sciences, or other departments. Beyond the above requirements, there are no universal course requirements. Thus, a specific individualized program of study is arranged for each student that is appropriate to his or her particular background and career goals.

Areas of Specialization: The Environmental Health Science (EHS) Ph.D. program offers specialized study in the areas of: exposure assessment and health effects, molecular toxicology/ carcinogenesis, and toxicology. The distinctions between these areas are more for academic planning than for trainee research, as there is much overlap in the research approaches available. The full range of research resources within the program and expertise of the faculty are available to all trainees regardless of the specialization selected. Training in biostatistics or epidemiology with a focus on public and environmental health can be obtained via the Sackler Institute of Graduate Biomedical Sciences at NYU School of Medicine program (see med.nyu.edu/research/sackler-institute-graduate-biomedical-sciences/phd-program/phd-training-programs/biostatistics; med.nyu.edu/research/sackler-institute-graduate-biomedical-sciences/phd-program/phd-training-programs/epidemiology). The EHS program also administers Ph.D. studies in the specialized area of ergonomics and biomechanics (ERBI).

**Advanced Certificate Program In Ergonomics**

The program in ergonomics and biomechanics offers a 12-credit advanced certificate program. Students who wish to pursue course work in this area at NYU but desire only to take a few courses for academic or professional development, may apply as certificate students. The goals of the program are to update and expand professional skills in the design and implementation of occupational safety and health programs, recognize hazards for musculoskeletal disorders, and...
enable the participants to acquire immediately applicable knowledge and skills for enhanced performance or career advancement.

ERBI certificate students should have a relevant professional degree or significant professional experience, so they may proceed with advanced coursework. Certificate students must take two classroom courses on physical and environmental factors in the workplace: Ergonomics Issues I: Physical Factors in the Workplace, EHSC-GA 2131, Ergonomics Issues II: Environmental Factors in the Workplace, EHSC-GA 2132, and an Independent Study in Applied Ergonomic Methods, EHSC-GA 2133. The advanced certificate is awarded upon completion of the three courses with a grade B or better. Time for completion is two to four semesters. If a certificate student is accepted later as a degree-seeking student, those courses may be credited toward the degree requirements.

COURSES

Environmental Health
EHSC-GA 1004 Thurston. 4 points. 2017-18, 2018-19
Introduction to the principles of environmental health, including: pollutant sources; exposure routes, and human health risks in environmental media (e.g. air, water, food.). The scientific basis of common environmental hazards presented in terms of toxicology, epidemiology, exposure, and risk assessment, including discussions of historical and ongoing global environmental health issues.

Ecotoxicology: Hudson River Case Study
EHSC-GA 1005 Wirgin. 4 points. 2017-18, 2018-19
This highly interdisciplinary course explores the sources, transport, bioavailability, transformation, remediation, and toxic effects of PCBs, dioxins and metals contamination ecosystems such as the Hudson River at the community, state, regional and federal levels.

Toxicology
EHSC-GA 1006 Not open to students who have taken EHSC-GA 2310 or BIOL-GA 2310. Prerequisite: an introductory course in biology, physiology, or biochemistry. Zelikoff. 4 points. 2017-18, 2018-19
Introduces the discipline of toxicology and stresses basic concepts essential for understanding the action of chemical agents on biological systems. Principles underlying absorption, distribution, metabolism, and elimination (ADME) of chemicals are presented. Toxic responses of organ systems and regulation of toxic substances by governmental agencies are discussed.

Biomarkers of Environmental Exposures and Human Health
EHSC-GA 1009 Prerequisite: an introductory course in either biology or biochemistry. Grunig. 4 points. 2017-18
Biomarkers as tools to evaluate environmental health hazards and disease risk assessment: learn about principles, strengths, and limitations of applying biomarkers. Know which types of samples and molecular techniques are used in biomarker studies and understand the different types of biomarkers, quality control, and ethical issues.

Catherine B. Klein, Assistant Professor, Environmental Medicine. Co-Director, Graduate Program in Environmental Health Sciences; Director of the M.S. Program. Ph.D. 1988 (environmental health sciences), New York; M.S. 1978 (human genetics), George Washington; B.S. 1975 (biology), SUNY (Albany). Mammalian mutagenesis; epigenetic gene control; DNA methylation; oxidants; metals; estrogens; molecular cytogenetics.


Andrew Kraszewski, Instructor, Ergonomics and Biomechanics. Senior Engineer; Post-Doctoral Research Fellow, Leon Root, MD Motion Analysis Laboratory, Hospital for Special Surgery. Ph.D. 2016, M.S. 2008 (ergonomics and biomechanics), New York; B.S. (mechanical and biomedical engineering), Cornell. Biomechanics; orthopaedics; sports medicine.


Morton Lippmann, Professor, Environmental Medicine. Director, Human Exposure and Health Effects Program. Ph.D. 1967, New York; M.S. 1955 (industrial hygiene), Harvard; B.Ch.E. 1954 (chemical engineering), Cooper Union. Inhalation toxicology; aerosol science and physiology; occupational and environmental hygiene; air pollution.

Mengling Liu, Associate Professor, Population Health, Environmental Medicine. Ph.D. 2004 (statistics), M.S. 2002 (statistics), Columbia; B.S. 2000 (statistics and probability), Nankai University. Research interests include survival analysis, longitudinal data analysis, statistical genetics, and statistical methods for epidemiology studies.
Global Climate Change, Air Pollution, and Health
EHSC-GA 1010  Prerequisite: for graduate students, B.S. in biology, chemistry, or an environmental health science-related field; for undergraduate students, chemistry/biology course work or instructor's permission. Thurston. 4 points. 2017-18
Introduces the fundamentals of atmospheric and oceanic motions affecting weather, especially as they influence human health and global climate; earth climate past, present, and future; air pollution emissions and dispersion; human health effects of air pollution and extreme weather; basics of climate models; and, air pollution's role in global-scale weather.

Global Issues in Environmental Health
EHSC-GA 1011  Faculty. 4 points. 2017-18
This course focuses on environmental factors that contribute to excess health burdens in developed and developing nations, including: access to safe water, healthy housing, infectious disease vectors, air pollution, chemicals, and occupational risks. Social and economic factors that modify environmental contributions to the global burden of disease will be emphasized.

Global Issues in Cancer Cause, Prevention and Control
EHSC-GA 1012  Prerequisite: background in biology or chemistry or permission of the instructor. Faculty. 4 points. 2017-18
Students will learn about environmental related cancer risk factors in the developing world and the lack of knowledge among under-served communities. Lectures will provide evidence to prevent cancer. Student's presentation will focus on the importance of alternative medicine, diet, physical activity, anticancer vaccines and drug interaction in cancer prevention approaches.

Translating Environmental Health Science into Policy
EHSC-GA 1013  Faculty. 4 points. 2017-18
This course is designed for students interested in environmental health science and policy. Bridging the gap between science and policy will be emphasized while learning about current environmental health issues, including: air pollution, climate change, water quality, etc. Opportunity to participate in research informing pending policy decisions will be provided.

Current Issues in Environmental Policy
EHSC-GA 1014  Rom. 4 points. 2017-18
This course will provide students with an introduction to environmental policy issues, including the role of government in control of environmental exposures, and the legal and cost-benefit basis for government action.

DNA Replication, Damage, and Repair
EHSC-GA 2018  Prerequisite: biochemistry or permission of the instructor. Klein. 4 points. 2017-18
Covers the basic processes involved in DNA replication, damage formation, and damage processing, with an emphasis on eukaryotic cells. Topics include DNA structure, chemistry of adduct formation, DNA polymerase structure and function, DNA replication mechanisms and fidelity, the enzymology of DNA repair, and mechanisms of mutagenesis.
Communication Skills for Biomedical Scientists
EHSC-GA 2025  Prerequisite: permission of the instructor. Cohen. 2 points. 2017-18, 2018-19
Basic principles of effective scientific communication are presented in this course. Lectures and hands-on practice sessions cover (1) poster presentations for scientific meetings, (2) verbal presentations, and (3) writing papers for publication in scientific journals. Students are encouraged to use their own data for the various communication formats.

Research Methods in Molecular Toxicology
EHSC-GA 2026  Prerequisite: biochemistry, cell biology or permission of the instructor. Sun. 2 points. 2018-19
Introduce graduate students to the molecular biology research strategies and techniques that are widely used in toxicology: cell culture, analyzing cell growth properties, analysis of DNA, RNA and proteins, gene function analysis, in vitro and in vivo assessment of toxicity and analysis of cell response to oxidative stress.

Tutorials in Environmental Health Sciences
EHSC-GA 2031  Faculty. 1-4 points. 2017-18, 2018-19
Tutorials arranged on an individual basis with a faculty member for the advanced study of special subjects in the environmental health sciences. A brief, written description of the topics being covered must be approved in advance of registering for this tutorial. A comprehensive paper or examination is required.

Aerosol Science of Particulate Air Pollution
EHSC-GA 2033  Thurston. 4 points. 2018-19
Introduction to the properties, behavior, and nature of suspended particulate matter air pollution, a global health threat. From nanoparticles to desert dust storms, its underlying physical and chemical characteristics, including: size, shape, density; number distributions; motion; electrical and thermal properties; measurement; condensation/evaporation; coagulation; optical properties, and their health effects implications.

Principles of Environmental Measurements
EHSC-GA 2035.  Lall. 4 points. 2017-18
Introduction to the instrumentation, procedures, and strategies for quantitative evaluation and control of personal environmental exposures. Emphasis is on airborne contaminants, including particles, gases, bioaerosols, physical agents (ionizing and nonionizing radiations), noise, and abnormal temperatures. Decision-making criteria are considered for each agent, as are control methods (e.g. removal and ventilation).

Environmental Measurements Laboratory I
EHSC-GA 2037  Prerequisites: EHSC-GA 2035 and permission of the instructor. Laboratory. Gordon. 4 points. 2017-18
Hands on learning covers the instrumental techniques and procedures for the subjects covered in EHSC-GA 2035.
Introduction to Epidemiology
EHSC-GA 2039  Marmor. 4 points. 2017-18, 2018-19
Principles and methods will be developed for epidemiological studies of the distribution and determinants of disease in human populations. Topics include measures of disease occurrence and risk, ecological, observational and interventional study designs; measurements of diagnostic test performance; methods for statistical analysis of epidemiologic data; and related ethical issues.

Molecular and Genetic Toxicology
EHSC-GA 2040  Prerequisite: biochemistry or permission of the instructor. Klein. 4 points. 2018-19
Analyzes the modes by which organisms handle damage to DNA by physical and chemical agents, the mechanisms of converting damage to mutations, and the theoretical basis for carcinogenesis screening methods utilizing mutagenesis. Topics include systems for mutagenesis testing, mutational spectra, and inducible responses to DNA damage.

Genetic Susceptibility/Toxicogenomics
EHSC-GA 2042  Klein, Arlan. 4 points. 2017-18
Covers genetic variation in human and wildlife populations, explores the relationships between variation and susceptibility to diseases. Examines techniques by which sensitive genes and allelic variants are identified. Discussions on genetic adaptations of natural populations and epidemiological techniques to explore relationships between polymorphisms and disease. Moral/legal ramifications are considered.

Cell Signaling and Environmental Stress
EHSC-GA 2043  Prerequisite: undergraduate biology or biochemistry. X. Huang, C. Huang. 4 points. 2018-19
Covers signal transduction pathways/motifs including cytokine signaling, signal transduction by mitogen-activated protein kinase (MAPK), nuclear transcription receptors, kinase/phosphatase cascades, G-coupled protein receptors. Discussions on pathway perturbations by environmental pollutants, metals, airborne particles, resulting pathological processes, such as cancer and inflammation, and knowledge leading to drug discovery. Offers tools for basic, clinical, and translational medical research.

Epidemiologic Methods
Principles introduced in EHSC-GA 2039 are further developed. Methods to design, analyze, and interpret epidemiologic studies concerned with disease etiology are presented. The main focus is on cohort and case-control studies. Topics include bias, confounding, measurement error, and sample size determination.
Analysis of Categorical Data
EHSC-GA 2045  Prerequisite: EHSC-GA 2039, EHSC-GA 2303, or permission of the instructor. Shao. 4 points. 2017-18
Introduces statistical tools of categorical data analysis as widely applied to biomedical/social science research. Includes 2 x 2 tables, r x c tables, tests of independence, measures of association, power/sample size determination, stratification and matching in study design and data analysis, and logistic regression analysis. Other topics covered: combining evidence from independent studies, evaluation of diagnostic/screening tests, adjustment for misclassification and measurement of inter-rater agreement.

Epidemiology of Cancer
EHSC-GA 2046  Prerequisite: EHSC-GA 2039, college-level biology, or permission of the instructor. Arslan. 4 points. 2018-19

Introduction to Survival Analysis
EHSC-GA 2047  Prerequisites: EHSC-GA 2303 or basic statistics course, and the permission of the instructor. Shao, Goldberg. 4 points. 2018-19
Basic concepts of survival analysis, including hazard functions, survival functions, types of censoring, Kaplan-Meier estimates, and log-rank tests. Parametric inference includes the Exponential and Weibull distribution. Discussions on the proportional hazard model and its extension to time-dependent covariates, accelerated failure time model, competing risks, multistate models using clinical and epidemiological examples.

Applied Epidemiologic Methods
EHSC-GA 2049  Prerequisites: EHSC-GA 2303, EHSC-GA 2039, EHSC-GA 2044 or equivalents. Ahn. 2 points. 2018-19
This course provides practical experience in development of hypotheses, analyzing epidemiologic data, presenting results. The course will familiarize students with analytic methods and their uses to answer epidemiologic research questions. Students will be provided with epidemiologic data sets (e.g., demographic, genomic data), and will be asked to conduct analyses of these data.

Epigenetics and Environmental Diseases
EHSC-GA 2050  Prerequisites: biochemistry, cell biology or permission of the instructor. Cuddapah, Sun. 4 points. 2018-19
Covers environmental effects on gene expression via epigenetic mechanisms; DNA methylation, histone modifications and micro RNA. Provides basic understanding of epigenetic modifications; methods of epigenome analysis; candidate gene approaches; genome-wide histone modifications (ChIP-Seq), transcriptome sequencing (RNA-Seq), multigenerational effects; imprinting; and epigenetic disease biomarkers.
Children’s Environmental Health
EHSC-GA 2051  Prerequisite: EHSC-GA 1004, or permission of the instructor. Weitzman. 4 points. 2017-18
Provides in-depth understanding of the rapidly evolving field of children’s environmental health. Covers key topics: state of current knowledge regarding exposures, issues for which consensus and controversy exists, or for which new knowledge and concerns are emerging, implications of current knowledge, research and uncertainties for environmental and public health, and for clinical policies/practices.

Independent Study: Ergonomics and Biomechanics
EHSC-GA 2100  Prerequisites: EHSC-GA 2101, EHSC-GA 2111, EHSC-GA 2121, and EHSC-GA 2131, or permission of adviser. Faculty. 1-12 points. 2017-18, 2018-19
This course is intended to promote original research in the general fields of ergonomics and biomechanics. Study is carried out under the supervision of one or more faculty members. Students enrolled in this course are encouraged to utilize all appropriate laboratory and computer equipment. At the end of each semester, the student is expected to submit a written report.

Biomechanics
EHSC-GA 2101  Prerequisites: calculus, physics, or permission of the instructor. Faculty. 4 points. 2017-18, 2018-19.
Covers basic concepts of mechanics, force and torque, as applied to analyze relatively simple mechanical systems. Principles of mechanics studied to analyze muscle/joint reaction forces controlling/coordinating movement. Discussion analyses of “moving” systems with applications to human motion and sports mechanics, causes of linear/rotational motion, one-/two-dimensional linear and angular kinematics, and kinetics motion analysis, concepts of work, energy, power, impulse, and momentum.

Physical Biomechanics
EHSC-GA 2111  Prerequisites: calculus and basic anatomy of the musculoskeletal system, or permission of the instructor. Weiner. 4 points. 2017-18, 2018-19
The laws of physics and basic concepts of biology, physiology, and mechanics are applied to explain the effect of applied forces and the biomechanical response of the tissues of the neuromusculoskeletal system. Uses basic biomechanical concepts to describe motion undergone by various body/joint segments and the forces acting on these body parts during normal daily activities. Selected case studies are used.

Applied Biomechanics in the Analysis of Human Performance
EHSC-GA 2112  Prerequisites: EHSC-GA 2101 and EHSC-GA 2111, or permission of the instructor. Campello. 4 points. 2017-18, 2018-19
Builds on EHSC-GA 2101 and EHSC-GA 2111. Explores processes and mechanisms underlying human motor performance and pathomechanics of occupation-related musculoskeletal disorders (MSDs). Biomechanical principles and their interaction with basic applied sciences are systemically. Topics include
review of physical biomechanics, multisegmental motion analysis, and clinical biomechanics of selected case studies.

**Practicum in Ergonomics and Biomechanics**

EHSC-GA 2121  Prerequisites: EHSC-GA 2111, EHSC-GA 2112, EHSC-GA 2131, and EHSC-GA 2303, or permission of instructor. Sheikhzadeh. 4 points. 2017-18, 2018-19

Focuses on methods and instruments for data collection and analysis of musculoskeletal disorders (MSDs). Lectures and hands-on projects illustrate theoretical and practical issues. Covers data collection and analysis of risk factors for MSDs—posture, force, and motion—using electromyography signals, and statistical methods for analysis and interpretation.

**Research Methods in Ergonomics and Biomechanics**

EHSC-GA 2123  Prerequisite: EHSC-GA 2303. Weiser. 4 points. 2017-18, 2018-19

Provides students an overview of common study designs in scientific and medical research and applications of these research methods to the field of ergonomics and biomechanics. Students learn to critically evaluate scientific papers and draw valid conclusions. Covers study designs to investigate musculoskeletal disorders (MSDs), and issues of measurement, measurement instrument validation, statistical analysis, and ethical conduct of research.

**Ergonomics Issues I: Physical Factors in the Workplace**

EHSC-GA 2131  Prerequisites: EHSC-GA 2101 and EHSC-GA 2111, or permission of the instructor. Costa-Black. 4 points. 2017-18, 2018-19

Ergonomics is the study of fitting the workplace to the capabilities of human workers. Ergonomists apply knowledge from biomechanics, physiology, psychology, and engineering to the design of tasks, work organization, work environment, workstations, and tools. The course focuses on the design of the manufacturing process in the context of implementing an ergonomics program for injury prevention.

**Ergonomics Issues II: Environmental Factors in the Workplace**

EHSC-GA 2132  Prerequisites: EHSC-GA 2101, EHSC-GA 2111, and EHSC-GA 2131, or permission of the instructor. Costa-Black. 4 points. 2017-18, 2018-19

Covers environmental influences in the workplace that are relevant to the development of musculoskeletal problems. Emphasis is on recognizing and designing safe and productive work environments. Includes sensory-motor processes, temperature, whole-body and segmental vibration, noise, lighting, indoor air quality, and organizational factors. Enables students to appreciate environmental issues that affect ergonomic interventions in the workplace.

**Applied Ergonomic Methods: Independent Study**

EHSC-GA 2133  Supervised by Costa-Black. 4 points. 2017-18, 2018-19

This study project is intended to guide students in the application of ergonomic methods. The project is carried out under the supervision of one or more faculty members. Students may conduct the study in the field, at their workplace.
Students are required to submit a written report for grading. The work may encompass up to two semesters. The topic and scope of the work are negotiated in advance with the program coordinator and approved by the faculty.

**Introduction to Biostatistics**
EHSC-GA 2303  *Oh, Zhong. 4 points. 2017-18, 2018-19*
Introduction to probability and statistical methods for analysis and interpretation of experimental and epidemiological data. Statistical techniques associated with the normal, binomial, Poisson, t, F, and chi-squared distributions and basic nonparametric methods. Applications in biology, medicine, and the health sciences.

**Advanced Topics in Biostatistics**
EHSC-GA 2304  *Prerequisites: EHSC-GA 2303 or equivalent background in statistics, and permission of the instructor. Goldberg, Shao. 4 points. 2018-19.*
Introduction to statistical methods used in medicine and biology. Topics are selected from the following: survival methods, logistic regression methods, design of experiments, longitudinal data methods, missing data methods, statistical genetics, analysis of gene chip data, and other topics depending on the interests of the participants. Case studies are used to illustrate the methods.

**Methods of Applied Statistics and Data Mining with Applications to Biology and Medicine**
EHSC-GA 2306  *Prerequisites: basic statistics course; some programming experience or willingness to learn. Prior familiarity with R or S-plus is not required. Faculty. 4 points. 2018-19*
Survey of applied statistical and data mining methods, including principles, applications, and computational tools. Emphasis on R or S-plus statistical programming language. May include cluster analysis, multidimensional scaling, principal components analysis, resampling methods (e.g., bootstrap), linear methods for classification and regression, model selection, bias-variance trade-off, modern classification and regression, tree-based methods, randomization, and nonparametric statistics.

**Toxicology of Metals and Toxic Tort Litigation**
EHSC-GA 2307  *Costa, Sun. 4 points. 2017-18*
Metals represent serious and persistent environmental contaminants. This course describes the source of this contamination and examines the toxic effects of metals such as mercury, cadmium, arsenic, lead, vanadium, nickel, beryllium, cobalt, aluminum, chromate, selenium, and others. Each metal is considered with regard to its major toxic action. Mechanisms are emphasized.

**Environmental Carcinogenesis**
EHSC-GA 2309  *Dai. 4 points. 2017-18*
Introductory course that emphasizes current understandings of how environmental agents cause malignant transformation and contribute to human cancer. The approach integrates information from human and experimental studies at cellular and molecular levels. Emphasis is on the basic mechanisms of cancer causation and how these understandings help to mitigate or prevent the disease.
Principles of Toxicology
EHSC-GA 2310  Prerequisites: biochemistry and cell biology, or permission of the instructor. Chen, Cohen. 4 points. 2017-18, 2018-19
Broad introduction to toxicology, stressing basic concepts essential to the understanding of the action of exogenous chemical agents on biological systems. Principles underlying the absorption, metabolism, and elimination of chemicals are discussed. Toxicokinetics, specific classes of toxic responses, and experimental methods used to assess toxicity and risk are reviewed.

Organ System Toxicology
EHSC-GA 2311  No Prerequisite: permission of the instructor if no biology or toxicology background. Zelikoff. 4 points. 2018-19
This is an advanced course for masters and doctoral students that examines the impact and underlying mechanisms of toxicants/xenobiotics on major mammalian organ systems. The course provides the student with sufficient knowledge of organ physiology to understand how toxicants act to disrupt normal organ system structure and function to bring about disease.

Research Models of Environmental Exposures
EHSC-GA 2314  Prerequisite: graduate course in biology or biochemistry, open to advanced undergraduate students. Grunig. 2 points. 2017-18
Research models of diseases that are associated with environmental exposures: discuss which models are optimal for molecular understanding of disease processes and for the development of new drugs and recommendations for environmental protection. Considerations of their limitations and how ethical issues are addressed.

Environmental Immunotoxicology
EHSC-GA 2315  Prerequisite: general biology, EHSC-GA 2310, EHSC-GA 1006, or permission of the instructors. Zelikoff, Cohen. 4 points. 2017-18.
Presents overview of the components and functions of the immune system that set the stage for a discussion of how chemical toxicants impact the immune response and alter host susceptibility to disease. Provides students with the opportunity to investigate and discuss relevant topics in the field of immunotoxicology.

Nanotechnology and Toxicology
EHSC-GA 2317  Gordon. 4 points. 2017-18
A strong inter-disciplinary approach among engineering, physics, and health scientists will ensure that engineering, biology, and toxicology students understand the impacts of nanomaterial designs and uses, including the broad economic, environmental, medicinal, and societal issues that are not traditionally included in course work at engineering schools.

Advanced Topics in Survival Analysis
EHSC-GA 2330  Prerequisites: advanced training in biostatistics and statistical methods and permission of the instructor. Shao. 2 points. 2017-18
Advanced topics in survival analysis in a seminar setting. Reviews basic concepts followed by in-depth study of advanced methods including: survival models with reference to time-dependent models, missing data, interval-censored data,
recurrent event, multiple endpoints. Attention to interim analyses in the context of survival models in clinical trials, Bayesian approaches, and issues of survival analysis in observational data.

**Advanced Topics in Data Mining with Applications to Genomics**
EHSC-GA 2331  
Prerequisites: advanced training in biostatics and statistical methods, and permission of the instructor. Faculty. 2 points. 2017-18

This course introduces, illustrates, and evaluates a variety of statistical data mining methods employed in the context of large-scale genomic experiments, with an emphasis on applications to DNA microarrays. Topics may include preprocessing/normalization of expression array data, exploratory data analysis, hypothesis testing, linear models, clustering, discrimination, prediction, and bootstrap methods.

**Methods for the Analysis of Longitudinal Data**
EHSC-GA 2332  
Prerequisites: some background in biostatistics and statistical methods; basic knowledge of matrix algebra, random vectors, multivariate normal distribution, and regression methods; and permission of the instructor. Liu. 2 points. 2017-18

Covers statistical methods for analyzing longitudinal data, which are collected in the form of repeated measurements over time. Topics include linear models for longitudinal continuous data (e.g., multivariate normal model and mixed-effects models), methods for analyzing longitudinal categorical data as counts and binary data (e.g., generalized linear model and generalized estimating equations), dropouts, missing mechanisms, and semiparametric methods.

**Introduction to Measurement Error in Biomedical Research**
EHSC-GA 2333  
Prerequisites: introductory course in biostatistics and approval of the instructor. Faculty. 2 points. 2018-19

Focuses on the fundamental principles of measurement error modeling with a particular emphasis on practical applications to biomedical research. Topics covered include: identifying sources of measurement error, defining measurement error process, selecting appropriate error distributions, and estimating uncertainties.

**Statistical Methods in Genetics and Genetic Epidemiology**
EHSC-GA 2334  
Prerequisites: EHSC-GA 2303 or equivalent background in statistics by permission of the instructor. Zhong. 4 points. 2017-18

This course focuses on basic understanding of the field, such as how to determine if a disease is genetically influenced, identify and characterize disease susceptibility genes using association or linkage analysis, and evaluate gene-environmental interactions. It will develop students’ ability to design and analyze a genetic and genomic study.

**Sampling Methods and Applications in Health Surveys**
EHSC-GA 2335  
Prerequisite: introduction to statistics/probability, or permission of the instructor. Li. 4 points. 2018-19

This course will teach students how to identify when a sample is valid or not, and how to design and analyze many different forms of sample surveys with
particular emphasis on health survey applications. The course will cover probability sampling, stratified sampling, ratio and regression estimation, cluster and systematic sampling, two-stage sampling and total survey error.

**Introduction to Statistical Inference**
EHSC-GA 2336  Prerequisites: College level probability and statistical courses or permission of the instructor. Shao. 4 points. 2018-19
This course introduces the central ideas, core principles and major methods in statistical inference illustrated by a wide range of relatively simple examples avoiding the extraneous difficulties of mathematical manipulation.

**Causal Inference in Observational Studies**
EHSC-GA 2337  Faculty. 4 points. 2018-19
Introduces basic concepts of causal inference in randomized clinical trials and observational studies. Introduces popular methods for causal inference in observational studies; these methods include linear regression, instrumental variable, propensity score, and inverse probability weighting. Illustrates the methods using real datasets from population health.

**Statistical Methods for Clinical and Translational Research**
EHSC-GA 2338  Prerequisites: Introduction to biostatistics or statistics; background in regression, survival analysis, longitudinal data analysis, and permission of the instructor. Goldberg, Oh. 4 points. 2018-19
This course will provide a statistical perspective on issues in the design, analysis, and interpretation of clinical and translational research studies and to learn how to design, conduct, analyze and report the results of clinical and translational research studies in the collaborative setting.

**Introduction to Bayesian Modeling**
EHSC-GA 2339  Prerequisites: EHSC-GA 2303 or basic statistics course, and permission of the instructor. Oh. 4 points. 2018-19
Provides practical introduction to Bayesian modeling, including data analysis and building models within the Bayesian framework, with special emphasis on hierarchical models. Primary emphasis on understanding modeling concepts and modeling processes, and analyses using R and BUGS; lesser emphasis on theoretical aspects of Bayesian statistics and technical details of Markov Chain Monte Carlo methods.

**Regression Modeling**
EHSC-GA 2340  Prerequisites: Basic statistics course and permission of the instructor. Zhong. 2 points. 2018-19
Covers intermediate to advanced levels of regression models beyond basic linear regression knowledge to differentiate estimation and inference of regressions for independent data versus regressions for dependent data. Topics will include generalized linear models, linear and generalized mixed models, non-linear models, and non parametric regressions.
Decision Tree Learning
EHSC-GA 2341  Prerequisites: Permission of instructor, prior background in linear regression; categorical data analysis. Shao. 4 points. 2018-19
Introduce students to basic data mining and machine learning tools, prepare them with skills of analyzing “big data”, and ensure that students are competent candidates in the emerging market of data scientists.

Master’s Thesis
EHSC-GA 3001  Supervised by a faculty member. 1-6 points. 2017-18, 2018-19

Doctorate Research
EHSC-GA 3002  Supervised by a faculty member. 1-12 points. 2017-18, 2018-19
PROGRAMS AND REQUIREMENTS

Master of Arts

The Master of Arts program in European studies is an interdisciplinary program in the social sciences and humanities designed to prepare students for professions requiring an advanced understanding of Europe. The program draws upon the established resources of existing country programs in French studies, Italian studies, and Hellenic studies, as well as the disciplinary programs, and also offers courses of its own. M.A. students choose one of three tracks for specialization: European culture and society; European politics and policy; or Mediterranean studies.

Eight courses (32 points), a thesis or a special project, and an oral examination are required for the M.A. degree. Of the eight courses, two are required, an introductory course, What Is Europe? A Cultural Approach, EURO-GA 2301, and Graduate Seminar in European Studies, EURO-GA 3000. The degree may be completed in 12 months, that is, two semesters and a summer session. Students are encouraged to complete their summer session at one of NYU’s study abroad sites in Europe.

Knowledge of a European language other than English at the advanced level is also required. Students can prove this advanced knowledge either by having completed during their undergraduate studies an advanced-level language course or by passing the GSAS foreign language proficiency examination prior to graduation. Knowledge of a second European language is also encouraged. A 4-point internship, EURO-GA 3902, approved by the M.A. adviser is recommended.

Joint Degree Master of Arts in European and Mediterranean Studies and Journalism

The joint M.A. degree is designed to prepare students for careers as professional newspaper, magazine, or broadcast journalists with a special background on Europe and the Mediterranean. The program helps students develop both journalistic skills and expertise in the history, politics, and culture of this region. Please refer to the Journalism section of this bulletin for degree requirements.

FACILITIES

The Center’s offices include a seminar room and a document and periodical collection dealing with contemporary Western and Eastern Europe. The latter includes journals, weeklies, and newsletters from European centers and
institutions. The NYU Law Library is a depository of official documents of the European Community, and the Elmer Holmes Bobst Library has a wide selection of European newspapers and periodicals in addition to strong book collections on all aspects of contemporary Europe. The Center assists Bobst Library in developing its European holdings.

COURSES

What Is Europe? A Cultural Approach
EURO-GA 2301  Staff. 4 points. 2017-18, 2018-19
Examines the formation of the European nation-state starting with the French Revolution. Provides an overview of key issues, including citizenship, exclusion, immigration, identity, nationalism, security, and the creation of the European Union and its policy formation.

The Mediterranean in Historical Perspective
EURO-GA 2660  Staff. 4 points. 2017-18, 2018-19
Trains students in the history of the Mediterranean and provides them with insights into the theories and interpretations of the Mediterranean. Analyzes the ways in which the Mediterranean has been identified not only as a geographical region, but also as a cultural, political, and social one. Examines the reshaping of cultural, political, and social borders across the Mediterranean.

A Modern Mediterranean Region: Myth or Reality
EURO-GA 2670  Staff. 4 points. 2017-18, 2018-19
Examines major political, cultural, and social trends of the region during the past two centuries, focusing on whether it is correct to locate these developments as particularly “Mediterranean” or not.

Graduate Seminar in European Studies
EURO-GA 3000  Staff. 4 points. 2017-18, 2018-19
Trains European studies graduate students in approaches to research and in the sources and uses of research materials on Europe. Students start work on what will eventually become the master’s thesis. Topics of discussion include how to select an appropriate topic, how to formulate a question about it, and how to design and develop the argument at the core of the thesis.

Independent Study
EURO-GA 3900  Staff. 4 points. 2017-18, 2018-19
Permission of the department required.

Topics in European and Mediterranean Studies
EURO-GA 3901  Staff. 4 points. 2017-18, 2018-19
Recent course topics:

- Immigration, Integration and Inclusion: Transnational Policy, Politics, and Practice in Contemporary Europe
- The Dialectic of Globalization and Regional Integration: Attitudes, Parties and Policies

Christian Martin, Max Weber Chair of German and European Studies, Ph.D. 2002 (Political Science) University of Konstanz (Germany). Diploma in Politics and Management (with distinction), University of Konstanz; Undergraduate and graduate studies at the Department of Politics and Management, University of Konstanz, with a special focus on international relations. Comparative politics; international political economy and the politics of integration; positive political theory; policy diffusion and globalization.

Fabio Mattioli, Faculty Fellow, Ph.D. 2016 (Anthropology) The City University of New York; M.A. 2009 (Social Anthropology) Ecole Des Hautes Etudes en Science Sociales (Paris, France); B.A. 2007 (Political Philosophy) Universita Degli Studi di Firenze (Florence, Italy). Economic anthropology (finance, debt and credit); urban anthropology, authoritarian regimes and rentier states, Eastern Europe (Balkans, Macedonia), gender and sexuality, nationalism and ethnicity, politics of food, construction industry, subject formation.

Tamsin Shaw, Associate Professor (European and Mediterranean Studies, Philosophy. Ph.D. 2001 (social and political sciences), B.A. 1992 (philosophy and social and political sciences), Cambridge. Political skepticism; implications of secularization and moral skepticism for political thought.

Larry Wolff, Professor, History; Director, Center for European and Mediterranean Studies. Ph.D. 1984 (history), Stanford; M.A. 1980 (history), Stanford; B.A. 1979 (history and literature), Harvard. Eastern Europe; Poland; Habsburg monarchy; Enlightenment.

ASSOCIATED FACULTY

K. Fleming, Professor, History.
Stefanous Geroulanos, Professor, History.
Michael J. Williams, Clinical Professor, Director, International Relations.
• Democracy and Dictatorship in Europe
• Politics of Human Rights and Freedoms in Europe
• Comparative European Politics
• History of Eastern Europe
• The EU and Its Global Role
• Cold War as a Global Conflict
• The European Union: History and Politics
• The Hapsburg Monarchy
• Globalization and Politics in Advanced Democracies
• Sovereignty: 20th Century Ideas, Aesthetics, and Practices
• Sincerity and Authenticity in European Thought
• The Welfare State in Europe and America
• European Union in International Politics
• Legal Pluralism and Radical Politics in Early Modern Iberian Empires
• Nazi Germany & Fascist Italy: Comparisons, Contrasts, and Collaborations

**Internship**

EURO-GA 3902 *Staff: 4 points. 2017-18, 2018-19*

Students can earn academic credit for a structured and supervised professional work-learn experience within an approved organization. Permission of the department required.
PROGRAMS AND REQUIREMENTS

Master of Arts in the History of Art and Archaeology

Candidates for the Institute of Fine Arts M.A. Program in the History of Arts and Architecture must have a background in the liberal arts, normally including at least four courses of undergraduate art history. The Graduate Record Examination is required of all applicants. For further admission information, consult the Academic Office, The Institute of Fine Arts, 1 East 78th Street, New York, NY 10075-0119; 212-992-5800; e-mail: ifa.program@nyu.edu. Also see the GSAS Application for Admission and Financial Aid.

The program is two years of full-time study or three years of part-time study for those with established professional careers who wish to continue working while attending the Institute. For part-time study, each student devises a course of study together with the Academic Advisor; a typical course load for part-time students would be two courses per semester for the first two years, and one course per semester in the final year of study.

A total of 10 courses (40 points) is required for the M.A. Degree in the History of Art and Archaeology. There are three required courses, Foundations I, FINH-GA 2046; one course meeting the Foundations II requirement (regarding a technical studies of works of art through the Conservation Center); and Directed Research Towards the M.A. Thesis (FINH-GA 3547). In addition to the three required courses, students will take seven courses in lectures, seminars, and colloquia. Of these seven, four courses must be in four different distribution areas as defined below. Two courses must be classroom seminars in two different major areas. (1) Pre-modern Asia; (2) Pre-modern Africa and the Middle East; (3) The Ancient Mediterranean and Middle East, including Egypt; (4) Pre-modern Europe and the Americas; (5) Post-1750 Global; (6) Museum and Curatorial Studies; (7) Material Studies of Works of Art; (8) Architectural History

Students are required to pass a language examination in French, German, or Italian. Other languages will be considered on a case-by-case basis with the Academic Office. The examination can be taken in the beginning and end of the Fall semester as well as at the end of the Spring semester. Full-time students must pass the examination by the end of their third semester; part-time MA students and Conservation Program students must pass the examination by the end of their fourth semester.

A Master’s Thesis is required. The thesis will be of substantial length (9,000 words) and should provide a comprehensive treatment of a problem in scholarship.
competently written, and may be of publishable quality. The topic may be developed from papers written for a lecture course, seminar or colloquium, or from independent research. Students in the conservation program are encouraged to include technical studies in the Master’s Thesis, provided the paper retains its focus on art history or archaeology. The Master’s Thesis must be read and approved by two faculty members. Readers are normally members of the permanent faculty.

Dual Degree Master of Science in Conservation of Historic and Artistic Works—Master of Arts in the History of Art and Archaeology

Additional Conservation Application Requirements:
The conservation program requires a minimum of four college-level laboratory science, engineering, or computer science courses to be completed prior to application. Organic Chemistry I is required of all applicants. Additional acceptable coursework can include: General Chemistry I & II, Organic Chemistry II, Physics, Biochemistry, Biology, Material Science, Physical Computing, Programming, Electronics, A/V Engineering, or Optics.

In addition, an applicant must be able to demonstrate a displayed competence in studio art experience, through the presentation of a studio art portfolio during the admissions interview.

Seventy three (73) points are required for the dual degree. Seven art history courses (28 points) in three major areas are taken, including at least two seminars that must be in two different areas. Foundations I, FINH-GA 2046, is taken the first semester of the first year. Directed Research Towards the MA Thesis, FINH-GA 3549 is taken while the student writes the M.A. thesis in the third year. Fifteen conservation courses (45 points) are taken, beginning with a two-year cycle of core classes that introduce students to the fundamentals of material science, conservation, and preventive care. These core conservation courses are: Material Science of Art & Archaeology I and II, FINH-GA 2101 and 2102; Technology & Structure I and II, FINH-GA 2103 and 2104; Instrumental Analysis I and II, FINH-GA 2105 and 2106; Principles of Conservation, FINH-GA 2107; and Preventive Conservation, FINH-GA 2108.

Beginning in their second year of study, students specialize in one of the following primary areas of study: conservation of paintings, objects, and paper/photographs, including library and archive (books). Many sub-specialties exist within these given areas. Students may additionally declare a special interest in modern and contemporary art conservation and take coursework towards this specialty. Upper-level courses in each of these areas, as well as individualized instruction from conservators and scientists in the New York City area, are available. An internship is completed over two semesters during the fourth and final year in a conservation establishment either in this country or abroad, selected to afford the best possible training in the student’s area of specialization. Arrangements are made in consultation with the Chairman of the Conservation Center and the student’s primary advisor. All other requirements for the Institute’s M.A. and M.S. degrees,
including language, academic standards, timing, and the Master’s Thesis apply equally to the students in the dual degree program.

For further admission information, consult the Conservation Center: conservation.program@nyu.edu

**Doctor of Philosophy**

In addition to the requirements for admission to the Graduate School of Arts and Science (see the Admission section of this bulletin), candidates for the Institute of Fine Arts must have a good background in the liberal arts, normally including at least four courses of undergraduate art history. The Graduate Record Examination is required of all applicants. As part of the admission procedure, applicants who have already obtained a master’s degree in art history are requested to provide a copy of their thesis as their writing sample. For further admission information, consult the Academic Office, The Institute of Fine Arts, 1 East 78th Street, New York, NY 10075-0119; 212-992-5868; e-mail: ifa.program@nyu.edu. Also see the GSAS Application for Admission and Financial Aid.

The program is designed for six years of full-time study. A total of 18 courses (72 points) are required for the Ph.D. degree. A minimum of six of these courses must be in seminars, at least four of which lie outside the student’s major field. Each student registers for three courses per semester for the first five semesters. In the sixth semester students register for 12 points devoted preparing for the major examinations and begin work on the dissertation proposal. Exceptions to full-time study are made only for urgent financial or medical reasons and must have the approval from the Director of Graduate Studies.

Students must take at least four seminars in four separate fields outside of their area of specialization. The Proseminar (course code changes every Fall semester) may count as one of these seminars. Students are also required to take one course in technical studies of works of art through the Conservation Center. Students may take courses in other relevant disciplines in consultation with their advisor, and subject to the approval of the Director of Graduate Studies. Distribution requirements are met by choosing courses in the following fields: (1) Pre-modern Asia; (2) Pre-modern Africa and the Middle East; (3) The Ancient Mediterranean and Middle East, including Egypt; (4) Pre-modern Europe and the Americas; (5) Post-1750 Global; (6) Museum and Curatorial Studies; (7) Technical Studies of Works of Art; (8) Architectural History.

Students are required to pass examinations in two modern languages relevant to their area of specialization, and are expected to learn other languages that will equip them for advanced research in their chosen fields.

The Qualifying Paper may be developed from seminar work or might be on a topic devised in consultation with the student’s advisor. Normally, the student will be advised to produce a detailed study on a subject that leads towards the dissertation. It should be no longer than 10,000 words (excluding bibliography and footnotes). Students may submit their M.A. thesis in lieu of the Qualifying Paper.


**Robert Maxwell,** Associate Professor in the History of Western European Medieval Art, Ph.D. Yale; A.B. Princeton. Early Christian, Byzantine, and Western Medieval Art.


**Mia M. Mochizuki,** Associate Professor of the History of Art, Ph.D. Yale, 2001; BA. Vassar College, 1993. Renaissance Art; 17th–18th Century Art.

**Dianne Dwyer Modestini,** Research Professor for Kress Program in Paintings Conservation, M.A./Certificate SUNY Oneonta, 1972; B.A. Barnard, 1968 Research and restoration of the Kress Collection (paintings).


**Hannelore Roemich,** Professor. Ph.D. 1987, Heidelberg. Materials science; deterioration and conservation of stained glass, archaeological glass and ceramics; nondestructive analysis; environmental monitoring.


Students are examined on a major field consisting of two contiguous areas and a third component that can be in a related field providing skills for their dissertation. The major exam is divided into two parts, written and oral.

The dissertation contains no more than 250 pages of text. Permission to exceed this limit can be granted only through petition to the faculty by way of the Director of Graduate Studies. Each doctoral candidate submits to a final oral defense of the dissertation before a committee of five scholars. Defenses are scheduled through the Academic Office.

**ARCHAEOLOGICAL EXCAVATIONS**

At present the Institute conducts two active excavations: in cooperation with the Faculty of Arts and Science, at Aphrodisias in Turkey; and, at Selinunte, Sicily. Advanced students are invited to participate in these excavations and may be supported financially by the Institute.

**LIBRARIES AND VISUAL RESOURCES**

The Stephen Chan Library of Fine Arts and the Conservation Center Library are non-circulating collections that serve the research needs of currently registered students, faculty, and visitors upon application. Office hours during the academic year for the Stephen Chan Library of Fine Arts are Monday and Friday, 9 a.m.-5 p.m., and Tuesday-Thursday, 9 a.m.-7 p.m.; for the Conservation Center Library, they are Monday-Friday, 9 a.m.-5 p.m. The Institute Visual Resources Collection is open Monday-Friday, 9 a.m.-6 p.m. by appointment only.

**COURSES**

**M.A. Core Courses**

**Foundations I, Practices of Art History**
FINH-GA 2046  4 points. 2017-18, 2018-19
Artworks have often generated multiple—and conflicting—interpretations and a large and varied body of criticism. This course presents topics in historical interpretation, critical theory, art historical method and historiography through an innovative combination of lecture and seminar experiences. Through this course students will be provided with the essential materials they need to further their own process of discovery and intellectual development.

**Directed Research**
FINH-GA 3547  4 points. 2017-18, 2018-19
The student will, in consultation with the Faculty Advisor, conduct research and write a scholarly Master’s Thesis on a specific topic within art history or archaeology. The Thesis will follow the outline proposed and approved in the previous semester. The student will gain experience with graduate-level research and the writing of a paper of publishable quality (9,000 word limit).

**ASSOCIATE FACULTY**


M.S. Core Courses

Material Science of Art & Archaeology I, II
FINH-GA 2101, 2102 3 points each. 2017-18, 2018-19
These courses emphasize the study and conservation of both organic and inorganic materials found in art and archaeology from ancient to contemporary periods. The preparation, manufacture, and identification of the materials used in the construction and conservation of works of art are studied as are mechanisms of degradation and the physiochemical aspects of conservation treatments.

Technology & Structure of Works of Art I, II
FINH-GA 2103, 2104 3 points each. 2017-18, 2018-19
These courses introduce first-year conservation students to organic and inorganic materials and the methods used to produce works of art, archaeological and ethnographic objects, and other historical artifacts as well as to aspects of their deteriorations and treatment histories.

Instrumental Analysis I, II
FINH-GA 2105, 2106 3 points each. 2017-18, 2018-19
These courses provide an introduction to instrumental methods of examination and analysis that find frequent use in the field of conservation. Equipment housed in both the Conservation Center and the Metropolitan Museum of Art is utilized and made available to the students.

Principles of Conservation
FINH-GA 2107 3 points. 2017-18, 2018-19
This course introduces students to current practices in conservation, including examination and documentation, adhesion, consolidation, structural support, cleaning and compensation. Topics are presented as they relate to divergent specialties of conservation, including paintings, paper and objects.

Preventive Conservation
FINH-GA 2108 3 points. 2017-18, 2018-19
This course introduces all relevant issues of the museum environment: temperature and relative humidity, gaseous and particulate pollutants, light, vibration, and biological attack. Guidelines for the proper storage, display and transport of art objects are reviewed and cost-benefit analysis and risk assessment, emergency preparedness and disaster response are exercised on selected case studies.

Ph.D. Core Courses

Proseminar
(course code changes every Fall semester) 4 points. 2017-18, 2018-19
The purpose of the Proseminar is to introduce students in the doctoral program to advanced research methods in the history of art. Because it is a dedicated course for the entering PhD student, it will serve to consolidate the cohort. It is taken during the first semester and is taught by a rotation of the Institute faculty. Emphasis is placed on the specific practices of art-historical analysis in relation to
visual and textual interpretation. The class is structured around specific problems in the history of art rather than broad conceptual paradigms, with an emphasis on historical interpretation.

Curatorial Studies Certificate Core Courses

Curatorial Studies: Collections and Curating
FINH-GA 2037 4 points. 2017-18, 2018-19
This colloquium, focusing on the role and responsibilities of curators in art museums and emphasizing connoisseurship and research methods, is required for admission to the program; it is also open to students who do not intend to pursue the full Curatorial Studies Program. The course meets in the spring term in the galleries, storerooms, and conservation laboratories of the Metropolitan Museum of Art.

Curatorial Studies: Exhibition Practice
FINH-GA 2537 4 points. 2017-18, 2018-19
This colloquium, conducted by a full-time curator from the Metropolitan Museum of Art, with additional lectures by conservators and visiting outside specialists, as appropriate, introduces students to curatorial responsibilities through hands-on involvement with original works of art in the context of an actual exhibition or cataloging project at the museum. The topic and the supervising curator vary from year to year. The course meets in the fall, and admission is determined by interview.
PROGRAMS AND REQUIREMENTS

Master of Arts in French Literature

Degree Requirements: Satisfactory completion of graduate studies totaling at least 32 points (at least 24 in residence at New York University in New York or Paris) and a comprehensive examination. Students are required to take Proseminar/Textual Analysis FREN-GA 1101. Students in French are also expected to acquire a solid background in critical practice and a broad knowledge of all periods of French literature by completing at least one course each in six of seven areas (Middle Ages; Renaissance; 17th, 18th, 19th, and 20th centuries; Francophone) and one course in textual analysis. Following the completion of the required courses, a student must pass a comprehensive written examination based on the M.A. reading list in French. Examination dates are available from the departmental office.

Doctor of Philosophy in French

To qualify for the doctorate, a student must satisfactorily complete graduate studies totaling at least 72 points (at least 32 points in residence at New York University), pass an oral and written qualifying examination and a dissertation proposal examination, and then successfully defend a dissertation. The degree of Master of Arts in French literature is prerequisite to the doctor of philosophy. All doctoral candidates in French should complete at least one course in each of seven areas of French and Francophone literature and one course in literary theory. All students are required to take the Proseminar, FREN-GA 1101 and the two-credit seminar in Teaching French as a Foreign Language, FREN-GA 1012. In consultation with the director of graduate studies, doctoral students may enroll in a limited number of courses outside the department in areas related to their interests, or they may choose a field of study of up to five courses in another discipline: linguistics, art history, cinema studies, performance studies, or comparative literature.

Knowledge of a second foreign language is required by the French department for the doctorate and must be demonstrated before completion of 60 points by any of the methods described in the Degree Requirements section of this bulletin or by passing with a grade of B or better a graduate course taught in that language. To have approved a language other than German, Italian, Spanish, or Latin as the second foreign language a student must meet with the Director of Graduate Studies. Decision is taken on the basis of the need of that language for the student's work.
An examination composed of a two-hour oral portion and a take-home written portion is taken on completion of the required course work. This examination is structured as a series of inquiries selected by the candidate, in consultation with the faculty. As soon as possible, but no later than two semesters after the successful completion of the Ph.D. qualifying examination, the student must submit a dissertation prospectus on which he or she will be orally examined for one hour. When the student has completed at least one year in residence and all course and language requirements, and passed the Ph.D. qualifying examination and the dissertation proposal examination, the student is formally admitted to candidacy for the doctorate. When the dissertation is completed and approved by the adviser and readers, an oral examination is held at which the candidate presents and defends research results to a faculty committee of five.

Candidates for the Ph.D. may also complete an Advanced Certificate in French Studies, an Advanced Certificate in Poetics and Theory, or an Advanced Certificate in Digital Humanities. Please refer to the respective sections of the bulletin for more information and certificate program requirements.

Concentration in Medieval and Renaissance Studies: The concentration in Medieval and Renaissance Studies is interdisciplinary in nature and creates a framework and community for diverse approaches to the study of the Middle Ages and Renaissance. It complements doctoral students’ work in their home departments with interdisciplinary study of the broad range of culture in the medieval and early modern periods, as well as of the theories and methods that attend them. The concentration is designed to train specialists who are firmly based in a traditional discipline but who can work across disciplinary boundaries, making use of varied theoretical approaches and methodological practices. The concentration consists of twenty credits distributed under the following courses: Proseminar in Medieval and Renaissance Studies, MEDI-GA 1100, Late Latin and Early Vernaculars, MEDI-GA 2100 or other approved course, and Medieval and Renaissance Studies Workshop, MEDI-GA 2000, 2 points per semester taken twice in an academic year. Students must also take one approved course in the area of Medieval and Renaissance Media: Visual and Material Cultures, and one approved course in a medieval or early modern topic. At least one course, not counting either the Proseminar or Workshop, must be taken outside a student’s home department. In addition, students pursuing the concentration will present a paper at least once either in the Workshop or in a conference offered by the Medieval and Renaissance Center.

**Joint Degree Doctor of Philosophy in French and French Studies**

This program is suited to candidates with a strong background in history or political science as well as literature who intend to teach civilization and literature at the college level. For Degree Requirements and Program details, please see the Institute of French Studies bulletin section.


**Ludovic Cortade, Associate Professor.** Ph.D., M.A. (cinema studies), M.A. (aesthetics), B.A. (history), Paris (Panthéon-Sorbonne); Ecole Normale Supérieure (Fontenay/St. Cloud). History and aesthetics of French cinema; film theory; cinematic representations of landscapes; 20th-century French literature.


**Emmanuelle Ertel, Clinical Professor,** Ph.D., M.A. (American literature), Paris; Postgraduate degree (Diplôme d’Études Supérieures Spécialisées) (publishing), Paris (Nord-Villetaneuse); Maîtrise (comparative literature), Paris. Translation; contemporary French novel.

**Stéphane Gerson, Professor.** Ph.D. 1997, M.A. 1992, Chicago; B.A. 1988, Haverford. French civilization; 19th-century French history; memory and history; territorial identities; astrology and mass culture.

**Henriette Goldwyn, Clinical Professor; New York Director, New York University in Paris.** Ph.D. 1985, M.A. 1979, New York; B.A. 1975, Hunter College (CUNY). Seventeenth-century literature; Narrative texts; women’s studies; opposition journalism; political and religious texts; travel literature.
FACILITIES

The French and Francophone Center at NYU exists to promote academic and cultural activity relating to the French-speaking world at New York University, and to foster exchange between the University and French and Francophone communities. It serves the French Department, the Institute of French Studies and La Maison Française, and maintains close ties with NYU-Paris, coordinating with all four. Recognized as a Center of Excellence by the French Embassy, it also collaborates with their Cultural Services on French and Francophone-related academic and cultural projects.

The French and Francophone Center organizes at least one annual conference, hosts the regular series “French Literature in the Making” with journalist Olivier Barrot, and has invited a regular stream of distinguished visitors to lecture at NYU.

La Maison Française: The home of French cultural activities at Washington Square, La Maison Française offers many programs each week, including lectures by leading French writers, critics, artists, and political figures, as well as concerts, symposia, art shows, films, and a library. Students also have access to various French cultural institutions in the city and to productions by French theatre companies.

NYU Paris: Founded in 1969, NYU Paris is located in the heart of the Latin Quarter, the thriving historic and intellectual center of Paris. NYU Paris is in close proximity to numerous cultural, artistic, and academic institutions. Graduate students interested in using the facility’s resources are asked to contact the site director for further information.

Institute of French Studies: The Institute offers graduate programs leading to the M.A. and Ph.D. degrees in French civilization and joint degrees with other departments and schools. Its broad range of graduate courses is designed to train students who seek a comprehensive, interdisciplinary approach to French society, politics, history, and culture. Students in the Department of French may take courses at the Institute and may qualify for an Advanced Certificate of Achievement in French Studies from the Institute. For information concerning the Institute’s programs, admission, and financial aid, see the Institute of French Studies section of this bulletin.

COURSES

Proseminar/Textual Analysis
FREN-GA 1101 Hollier. 4 points. 2017-18, 2018-19
Less a seminar about literary theory as such than an exercise in the deployment of theoretical approaches and reading performances in relation to French literary texts (Rousseau, Baudelaire, Proust.) including those of formalism, structuralism, hermeneutics, deconstruction (Leo Spitzer, Jean Starobinski, Maurice Blanchot, Gérard Genette, Roland Barthes, Jacques Derrida).

20th-century literature; narration and the media; literature and politics; the avant gardes; theory of literary history.

Medieval literature, philosophy, culture; contemporary theory and criticism.

French and Francophone theatre: theory, production, text; Francophone literature; feminist theory and texts by women.

John Moran, Clinical Assistant Professor; Director, Language Programs, Faculty Fellow in Residence. Ph.D., Tulane; M.S., Georgetown; B.A., Tulane.
Foreign language methodology and pedagogy; historical linguistics; Old French language and literature; linguistics.

Contemporary French novel; Proust; theory of literature; onomastics; linguistics; modern poetry; criticism; literary theory.

Lucien Nouis, Associate Professor. Ph.D., Princeton, Licence és Lettres, Maitrise, Rennes Ii.
Seventeenth- and 18th-century literature; philosophy; history of political ideas; contemporary philosophy; political theory; critical theory; religion.

Nineteenth-century literature; comparative poetics; history and theory of translation; romanticism; symbolism; modernism.

Sixteenth-century French literature, especially classical reception, epic, early modern spatialities, visual studies.
Middle Ages

Introduction to Medieval French Literature
FREN-GA 1211 Vitz. 4 points. 2017-18, 2018-19
Survey of major texts and critical approaches to literature of the 12th-15th centuries.

Studies in Medieval Literature
FREN-GA 2290 Kay, Vitz. 4 points. 2017-18, 2018-19
Potential topics include Putting the Love Back in Philology, and sight and sound in late Medieval French poetry.

Renaissance

Studies in Renaissance Literature
FREN-GA 2390 Usher. 4 points. 2018-19
Recent topics include: Rabelais, Montaigne: sagesse de la littérature?; Words and Images.

17Th Century

Women Writers in France: The Creation of Feminine Literary Tradition
FREN-GA 1811 Goldwyn. 4 points. 2018-19
This seminar examines both the changing socio-historical context of French women writers and the common problems and themes that constitute a female literary tradition. Marie de France, Christine de Pizan, Marguerite de Navarre, Medelieine de Scudéry, Mms. De Villedieu, de Lafayette, Du Noyer, and de Graffigny.

Studies in 17th-Century Literature
FREN-GA 2490 Goldwyn. 4 points. 2017-18
Recent topics include Neo-Classical French Theatre, Emulation and Rivalry in the 17th century.

18th Century

Studies in 18th-Century Literature
Recent topics include: The Encyclopedia and les philosophes; The Age of Enlightenment; The Revolution, Nature/Culture au XVIIIe siècle.

19th Century

Studies in 19th-Century Literature
FREN-GA 2690 Bernard, Sieburth. 4 points. 2017-18, 2018-19
Recent topics include Historic Novel, Exoticism, The Marriage Novel, Realism and Naturalism.
20th Century

Proust
FREN-GA 2776 Nicole. 4 points. 2017-18
On the one hand, this course focuses specifically on Du côté de chez Swann, À l’ombre des jeunes filles en fleurs, Albertine disparue (Deuxième partie de Sodome et Gomorrhe III), and Le Temps retrouvé, providing a framework for an in-depth study of these four texts. On the other hand, it also gives the student an opportunity to reflect upon broader theoretical issues, which are representative of Proustian criticism today. Accordingly, special emphasis is placed both on the making and on the structure of À la recherche du temps perdu. The course provides ample opportunities to discuss a number of seminal interpretations, including works by Barthes, Deleuze, Genette, Anne Henry, Vincent Descombes, Paul Ricoeur, and others.

Studies in Contemporary French Thought
FREN-GA 2791 Noudelmann. 4 points. 2017-18
Potential topics include: Lire avec les oreilles.

Francophone Literature

Topics in Francophone Literature
FREN-GA 1990 Dash, Miller, Bishop. 4 points. 2017-18, 2018-19
Potential topics include: The Maghreb, Neither Nomads nor Nationalists: Identity Redefined in Recent Francophone Writings, Francophone Theatre, and The End of Critique.

Topics in Caribbean Literature
FREN-GA 1992 Dash. 4 points. 2017-18, 2018-19
Potential topics include: Caribbean Surrealism, Caribbean Travel Literature.

Cinema

Literature and Cinema
FREN-GA 1764 Cortade. 2017-18, 2018-19
Topics include Teaching French Cinema.

General Literature, Criticism, and Linguistics

Studies in Genres and Modes: Theatre and Drama
FREN-GA 1121 Miller. 4 points. 2017-18
The conventions of theatre. Theatre as performance. Theatre as text. Critical approaches (semiology, viewer response, narratology). The language of the theatre (stylized and realistic modes, nonverbal theatre, the uses of silence, the theatre of cruelty). The concept of the avant-garde.

Studies in Genres and Modes: Poetry
FREN-GA 1122 Nicole. 4 points. 2018-19
Versification and its linguistic bases. The special prosodic and rhythmic characteristics of French verse. Fixed forms. The modernist challenge to poetic

REGULAR VISITING FACULTY
François Noudelmann, Visiting Professor. Institut d’Universités de France 2016.

AFFILIATED FACULTY IN OTHER DEPARTMENTS
Manthia Diawara, Comparative Literature;
Stefanos Geroulanos, History; Ben Kafka, Steinhardt; Béatrice Longuenesse, Philosophy; Linda Nochlin, Art; Dana Polan, Art; Avital Ronell, German, Comparative Literature, English; Kristin Ross, Comparative Literature; Robert Stam, Cinema Studies.

FACULTY EMERITI
Charles Affron, Erika Ostrovsky, Nancy Freeman Regalado.
conventions and conceptions. This course aims at enabling students to perform sophisticated readings and close analyses of the poetic text through systematic exposure to linguistic and literary concepts relevant to this practice.

**Studies in Literary Theory**
FREN-GA 2890  *Hollier, Apter. 4 points.* 2018-19
Potential topics include Recent French Theory.

**Language**

**Teaching French as a Foreign Language**
FREN-GA 1012  *Moran. 2 points.* 2017-18, 2018-19
Readings and discussions of basic tenets of foreign language pedagogy with opportunities to apply what is presented in those readings to real-world teaching situations. Enrichment and diversification of teachers’ methodological approaches, development of confidence and skills in the classroom.

**Civilization**

**Topics in French Cultural History**
FREN-GA 1500  *Gerson.* 2017-18, 2018-19
Planned topic includes French Civilization: History, Pedagogy, Methodology, and 19th Century France and Its Empire.
INSTITUTE OF
French Studies

PROGRAMS AND REQUIREMENTS

Master of Arts

The M.A. program is designed for students interested in pursuing their knowledge of French and francophone cultures, societies and histories in an interdisciplinary perspective. The Master’s degree provides outstanding preparation for doctoral programs in the humanities or careers in education, cultural institutions, the media, government, and international business. Full-time students who attend the Institute’s six-week summer program in Paris complete the M.A. degree in one calendar year. Part-time students normally take two years to meet the course requirements.

The program requires successful completion of eight courses (32 points) and a comprehensive examination. The latter covers the following fields in French studies: (1) 19th-Century French history; (2) 20th-Century French history; (3) French society; and either (4) French politics and the economy or (5) French culture in society. The course 19th-Century France and Its Empire, IFST-GA 1610, is required for all M.A. students. The Institute offers two graduate courses in Paris, usually from early June to mid-July. The course(s) are taught by one regular member of the Institute’s faculty and one French professor appointed by the Institute.

Joint Degree Master of Arts in French Studies and Journalism

The joint master’s degree in French studies and journalism offered in cooperation with the Arthur L. Carter Journalism Institute provides education and training at the master’s level for students seeking careers as professional newspaper, magazine, or broadcast journalists or in other fields that require strong writing skills. Courses from both departments are combined to provide students with specialized knowledge of France and journalistic writing and/or broadcasting skills. Further details and requirements of the joint M.A. program with journalism can be found in the Journalism section of this bulletin.

Dual Degree Master of Arts and Master of Business Administration

Candidates for dual program with the Leonard N. Stern School of Business must submit two applications: one to the Institute and one to the School of Business. Applicants must meet the admission requirements of both the Institute and the School of Business, and admission is subject to approval by both. The ability to read French and to understand the spoken language is a prerequisite. The dual
degree M.A.-M.B.A. program is intended for students seeking careers in business and finance that might require residence in and detailed knowledge of France.

By taking courses acceptable for joint credit, students enrolled in this program can complete the requirements for both degrees with a total of 79 points, rather than the 92 points required if both degrees were to be pursued independently. Students can therefore complete the dual degree in two and a half rather than three years of full-time study. Candidates for the dual degree are required to complete three (rather than twelve) elective points at Stern, fulfilling the rest of their elective requirements through courses taken at the IFS. The total number of M.B.A. credits is thus reduced from 60 to 51, and 4 points from the M.B.A. program can be counted to the M.A. in French Studies. Normally the first academic year of the program is spent at the business school. Information on the requirements of the M.B.A. may be found on the NYU Leonard N. Stern School of Business Web site at stern.nyu.edu.

**Dual Degree Master of Arts and Juris Doctor**

Candidates for the dual program with the School of Law must submit two applications: one to the Institute and one to the School of Law. Applicants must meet the admission requirements of both the Institute and the School of Law, and admission is subject to approval by both. The ability to read French and to understand the spoken language is a prerequisite. The dual degree M.A.-J.D. program in French studies and law offered in cooperation with the New York University School of Law is of special interest to students who wish to continue an undergraduate interest in French society and culture while preparing for a professional career in law. The influence of French law in Europe, in the European Union, and in the developing world makes the dual degree useful for students who wish to work for public or private clients with business in those areas. The dual degree is useful as well for future scholars of comparative law, comparative jurisprudence, human rights, and legal philosophy. Candidates for the program typically have a strong knowledge of French and a desire to use the language in their professional work. Students currently enrolled in the School of Law may also apply. The program can be completed in three to four years. Normally, the first year of the program is spent at the law school; work toward the M.A. degree in French studies typically begins in the second year or during the summer between the first and second years.

The School of Law requires 83 points for the J.D. and the Graduate School requires 32 points for the M.A. Students in the dual degree program may apply 12 points of Graduate School credit towards the J.D. and 8 points of Law School credit towards the M.A., a total savings of 20 points. A student in the dual degree program can therefore complete both degrees by completing only 95 points. Information on the requirements for the J.D may be found on the NYU School of Law Web site at law.nyu.edu.

**Frédéric Viguier,** Clinical Assistant Professor. Ph.D. 2010 (sociology), École des Hautes études en sciences sociales; Agrégation (philosophy), École Normale Supérieure. Poverty and Inequality; the welfare state; philanthropy and humanitarianism; education; political Sociology; ethnography.

**MEMBERS OF THE INSTITUTE OF FRENCH STUDIES**

Claudie Bernard, French; Cécile Bishop, French; Michael Dash, French, Social and Cultural Analysis; Stefanos Geroulanos, History; J. Denis Hollier, French; Judith Miller, French; John Moran, French; John Shovlin, History.

**RECENT VISITING FACULTY**

(Selected)

Stéphane Beaud, Sociology, École Normale Supérieure (Paris), Université de Nantes.

Laure Bereni, Sociology and Gender Studies, CNRS (Paris).

Muriel Darmon, Sociology, CNRS (Paris).

Eric Fassin, Sociology, École Normale Supérieure (Paris).

Brigitte Gaité, Sociology, Université Paris I (Paris).

Nancy Green, History, École des Hautes Études en Sciences Sociales (Paris).

Choukri Hmed, Sociology, Université de Paris Dauphine (Paris).

Dominique Kalifa, History, Université de Paris I Panthéon-Sorbonne (Paris).

Silyane Larcher, Political Science, CNRS/École des Hautes Études en Sciences Sociales (Paris).

Sylvie Lindeperg, History of cinema, Université Paris I Panthéon-Sorbonne (Paris).


Laurent Martin, History, Université Sorbonne nouvelle Paris 3 (Paris).

Nonna Mayer, Politics, CNRS (Paris).

Joint Degree Doctor of Philosophy in French Studies and French

The Joint Ph.D. program in French Studies and French is designed for students interested in developing research expertise in the history and analysis of literary texts closely linked to their social, culture, and political contexts. It prepares students to teach both literature and civilization in French departments and gives them the scholarly expertise to integrate the two. The Joint program combines strong training in literary analysis with substantial exposure to the study of France, Europe, and the Francophone world offered by historians and social scientists. Students applying to the program should have background both in French literature and in history and the social sciences. The program covers French politics, society, culture, and literature since the French Revolution, although students develop a narrower research specialty within this time period.

Admission to the Ph.D. program must be granted by both the IFS and the French Department. A total of 72 points (normally eighteen courses) is required. Students typically take eight courses in each department with the remaining two in either department or in others, such as history, art history, cinema studies, anthropology, or comparative literature. The following courses are required of all doctoral students: Proseminar in French Literature, FREN-GA 2957; 19th-Century France and Its Empire, IFST-GA 1610; Research Seminar in French Studies, IFST-GA 3720. In the research seminar, students write the research paper (normally of 30 to 35 pages) required for this joint degree. In addition to formal course work, doctoral students are required to participate in the IFS’s weekly Doctoral Workshop.

Students in the Joint Ph.D. in French Studies and French are required to possess near-native writing as well as oral skills in French. A second foreign language is not required but may be desirable for many students.

Students must pass the Ph.D. Qualifying Examination, which is normally taken in the fall semester of the third year. The examination consists of a written part (two take-home essays on French Studies topics associated with the student’s principal area of research) and an oral examination devoted to one reading list on 19th-century literature and another on 20th-century literature. After passing the Ph.D. qualifying examination and earning 72 course credits, students are eligible for the Master of Philosophy degree.

Students must draft a dissertation prospectus during the spring of the third year, present it to the IFS Doctoral Workshop, and defend it before an examination committee whose members will expect them to situate their work in relation to the most relevant scholarly literature in their field. The committee for the examination consists of three faculty members: the student’s major adviser and two other readers of the dissertation.

Finally, students must write and orally defend a doctoral dissertation. GSAS regulations govern the form of the oral defense, which is held once the writing of the dissertation is completed.
Joint Degree Doctor of Philosophy in French Studies and History

The Joint Ph.D. program in French Studies and History is designed for students interested in combining a multidisciplinary approach to the study of France and the Francophone world with broad graduate training in European history. Students pursuing the degree may wish to prepare for careers of research and teaching in a history department and/or a French department, with a specialty in French culture and civilization.

Admission to the Ph.D. program must be granted by both the IFS and the History Department. A total of 72 points (normally eighteen courses) is required. In the first year students are expected to take the History Department's required course, Approaches to Historical Writing, HIST-GA 3603, as well as the IFS’s required course, 19th-Century France and Its Empire, IFST-GA 1610, plus an IFS course in the social sciences. During the first two years, students should also take one or two "literature of the field" courses in the History Department, a course in 20th-century French history, and the Research Seminar in French Studies, IFST-GA 3720 at IFS. In the research seminar, students write the research paper (normally of 30 to 35 pages) required for this joint degree. Students are encouraged to take elective courses in both departments as well as other relevant departments, such as the French Department, and to avail themselves of IFS summer courses in Paris. In addition to formal course work, doctoral students are required to participate in the IFS's weekly Doctoral Workshop. Because strong French language skills are required for admission to the IFS, students in the Joint Ph.D. program need not take an additional language exam. A second language may, however, be desirable for many students.

Students in the joint program with history must pass a three-day written Qualifying Examination at the end of the second year. Students choose three faculty members to administer an exam based on the Literature of the Field courses and a supplemental reading list developed with the faculty examiners. The first two days of the examination are devoted to European history since 1750 and the third day to the interdisciplinary field of French Studies, including other work done beyond the field of history. Unlike students enrolled in History alone, students in the Joint IFS History program are not examined in a second (minor) history field. All three examiners evaluate the three exam essays. After passing the Ph.D. qualifying examination and earning 72 course credits, students are eligible for the Master of Philosophy degree.

Students must draft a dissertation prospectus no later than the end of the first semester of the third year. They must present the prospectus to the IFS Doctoral Workshop and defend it before an examination committee whose members will expect them to situate their work in relation to the most relevant scholarly literature in their field. The committee for the examination consists of three faculty members, the student's major adviser and two other readers of the dissertation.

Finally, students must write and orally defend a doctoral dissertation. GSAS regulations govern the form of the Ph.D. oral defense, which is held once the writing of the dissertation is completed.
Advanced Certificate of Achievement in French Studies

The Institute offers an Advanced Certificate of Achievement in French Studies designed for (1) students in other doctoral or professional programs having a research or career interest relating to France or the Francophone world; (2) individuals teaching or planning to teach French in universities, colleges, or secondary schools who desire intensive training in French civilization to complement their education in language and literature; and (3) professionals working in business, cultural organizations, government, the media, and other areas requiring expert knowledge of contemporary French culture and society. The certificate is awarded on successful completion of four courses (16 points) with at least a B average. No examination or supplementary written work is required.

FACILITIES

The Institute is located in a charming townhouse in historic Washington Mews, adjacent to La Maison Française, the University’s center for French cultural activities. The Mews house provides offices, a library, seminar room, and a spacious student lounge.

COURSES

Approaches to French Culture
IFST-GA 1410  Gerson, Viguier. 4 points. 2018-19
Approaches and methodologies used to analyze, research, and teach French civilization and cultural studies. Includes discussion of relevant disciplinary approaches as well as particular cultural “objects” analyzed from various perspectives.

Workshop in French Studies
IFST-GA 1214  Viguier, 2 points. 2017-18, 2018-19
This course provides master’s students in French Studies and doctoral students in two Ph.D. programs, French Studies/History and French Studies/French Literature, with a supportive setting for presenting their work and for exploring new directions in their fields. The workshop is designed to foster scholarly exchange and give students experience in presenting their work, supporting and evaluating the work of their peers, and modelling forms of mentorship that they observe in the faculty.

19th-Century France and Its Empire
IFST-GA 1610  Gerson, Berenson. 4 points. 2017-18, 2018-19
History of France and its Empire from the Enlightenment to the late 19th century. Topics vary, but usually include the French Revolution and its legacy; the colonies, slavery, and the Empire; political culture, from Right to Left; class structure and labor unrest; gender; religion and Republicanism; the rise of commercialism and mass society; and the enduring question of nationhood, citizenship, and the emergence of a French identity.
20th-Century France
IFST-GA 1620 Chapman, Gerson. 4 points. 2017-18, 2018-19
The transformation of French society since the turn of the century as a result of economic crisis and growth, political upheaval, war, and decolonization. Topics include anti-Semitism, the rise of the radical Right and Left, the impact of World War I on women and men, labor conflict, collaboration and resistance during World War II, student rebellion, immigration, racism, and French-American relations.

French Politics, Culture, and Society
IFST-GA 1710 Viguier, Berenson. 4 points. 2018-19
Introduction to French political institutions from the Ancien Régime to the Fifth Republic. Topics examined in the course include the longevity of centralization, the myth of the public good, and the quest for accountable and stable government.

Problems in Contemporary French Society
IFST-GA 1810 Cartier. 4 points. 2017-18, 2016-17
Introduction to the analysis of French society and postwar processes of social reproduction and transformation. Recent topics: Immigration and the Welfare state; Race, Class, and Gender in Contemporary France; Gender, Sexuality, and Politics.

Topics in French Cultural History
IFST-GA 1500 Efosse, Lili 4 points. 2017-18
Recent topics: Colonization, immigration, and national identity; History of Catastrophes in modern France; Race, Gender, and Class in French Society; History and memory in French experience; Literature and society; History and Literature; Immigration in France.

The French Fifth Republic: Politics, Policies, and Institutions
IFST-GA 1730 Viguier. 4 points. 2018-19
Systematic study of French political behavior and its relationship to institutions and policies under the Fifth Republic. The focus is on the sources, the organization, and the institutional consequences of political conflict in France. Constitutional structures are explored as well as voting, political parties, pressure groups, and public policy.

Education in France
IFST-GA 2313 Viguier. 4 points. 2017-18, 2018-19
A theoretical, empirical, and historical analysis of the French educational system since the late 19th century. Drawing from various disciplines in the social sciences, students analyze institutions, social hierarchy and mobility, inequalities, and the stakes of educational democratization.

France and Francophone Africa
IFST-GA 2412 4 points. 2018-19
Examines the political, economic, cultural, and military policies of France in Francophone sub-Saharan Africa since independence and the political, economic, and social developments in each of the new nations.
France and the Maghreb
IFST-GA 2422  4 points. 2018-19
After a brief review of the history of North Africa, the course focuses on recent developments in each of the Maghreb countries and the role played by France in the area.

France and the Caribbean
IFST-GA 2423  4 points. 2018-19
A systematic study of the social and cultural impact of French politics, political institutions, and public policies in former colonies of Guadeloupe, Martinique, and, to a lesser extent, Guiana. Explains how these territories, which have produced theorists of the colonial predicament such as Aimé Césaire, Frantz Fanon, and Edouard Glissant, are not only still attached to the mother country, but show little inclination for independence while claiming greater political control over their own local affairs.

Topics in French Culture and Society
IFST-GA 2810  Berenson, Tissot. 4 points. 2017-18, 2018-19
Recent topics: Family and gender; Race and racism; urban anthropology; History of Empire.

Guided Reading
IFST-GA 2991, 2992  Prerequisite: permission of the instructor. 2 or 4 points. 2017-18, 2018-19

Research Seminar in French Studies
IFST-GA 3710, 3720  Berenson, Chapman, Gerson Viguier. 4 points. 2017-18, 2018-19
Interdisciplinary research seminar in contemporary French history, society, politics, and culture. During two consecutive semesters, students design, execute, present, and critique research projects dealing with contemporary France since the Revolution.
PROGRAM AND REQUIREMENTS

Master of Arts

Admission: Candidates to the Department of German must have earned a B.A. (or its foreign equivalent). In addition to the Graduate School of Arts and Science admission requirements, candidates must submit a recent sample of academic writing of approximately 15 pages in either English or German. Scores from the Graduate Record Examination (GRE) general test are required.

Course Work: The M.A. program consists of 32 points (eight courses) of graduate work, with a minimum of 24 points in residence at New York University, and a 40-60 page thesis.

Doctor of Philosophy

Admission: Candidates to the Department of German must have earned a B.A. or an M.A. (or its foreign equivalent). In addition to the Graduate School of Arts and Science admission requirements, candidates must submit a recent sample of academic writing of approximately 15 pages in either English or German. Scores from the Graduate Record Examination (GRE) general test are required.

Advising: Students entering the program are assigned to the DGS as his or her academic adviser from the department's faculty for the first year of study; students may select a different adviser at any time thereafter. Students are encouraged to meet with advisers on a regular basis; at least one meeting per semester is required.

Course Work: A total of 72 points of course work is required for the Ph.D. degree. No more than 32 points of credit toward the Ph.D. course requirements may be transferred from another institution. Students who have studied at German universities should note that transfer credit can be awarded only for "Hauptseminare." One of the two courses Origins of German Critical Thought I and II, GERM-GA 1115 and GERM-GA 1116, are required of all degree candidates in the department. The academic progress of each student is reviewed and evaluated after the second semester of study by means of a 60-minute consultation. Two faculty members are chosen by the student to review the highly individualized course of study and to develop a plan for advancement to the degree. Students who pass this review process are permitted to continue course work toward the Ph.D. degree.

Foreign Language Requirement: Students are required to demonstrate proficiency sufficient for research purposes in a language other than German or English. The choice of language is subject to approval by the student's academic adviser. Students
are expected to complete this requirement before taking the Ph.D. comprehensive examination. This requirement may be fulfilled by one of the following: (1) A passing grade on the foreign language proficiency examination administered by the Graduate School of Arts and Science. (The test is given several times a year); (2) Native proficiency demonstrated by a degree from a non-Anglophone foreign university; (3) A passing grade in a graduate-level literature course in any of the language departments at NYU; or (4) A grade of B or better in an upper-level undergraduate literature course taken within two years of the student's first registration at NYU. It is recommended that every student plan to study at a university in a German-speaking country for at least one semester.

**Comprehensive Examination:** A comprehensive examination must be taken within one semester after completion of the Ph.D. course requirements. The comprehensive examination is a process with several components. Students complete the written portion in the form of a take-home exam. The comprehensive examination concludes with a two-hour oral examination. This examination should take place no later than two weeks after the written exam. Successful completion of the examination permits the student to proceed to the dissertation proposal. Students who do not pass may take the examination a second time. A second failure precludes further work in the Ph.D. program. A detailed examination of the procedures and requirements of the department can be found in the department's Graduate Student Handbook.

**Dissertation Proposal and Defense:** The student should work in consultation with his or her dissertation adviser to produce a formal dissertation proposal within two months after completion of the Ph.D. comprehensive examination. All dissertation proposals require the approval of the department's graduate faculty. The completed doctoral dissertation must be approved by the departmental committee and must then be defended by the candidate in an oral examination.

**FACILITIES**

Deutsches Haus at NYU: This cultural center for the exchange of ideas between Germany and the United States and for information on German-speaking countries is situated in a historic building opposite the department at 42 Washington Mews. It provides noncredit language courses; films; lectures and readings by eminent writers, critics, artists, and political figures; concerts; and exhibits of contemporary art and photography. Its program is linked to the department's areas of research, which are reflected in international conferences, symposia, lecture series, colloquia, and seminars. Language courses include elementary to advanced German, German for reading and research, private tutorials, and German for special purposes. With the exception of language courses, all cultural events sponsored by Deutsches Haus are free.

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Content Based Language Instruction; Curriculum Development; History, Theory, and Practice of Translation.

**Alys George,** Assistant Professor; Director of Undergraduate Studies. Ph.D. 2009 (German studies), Stanford; B.A. 1998 (foreign languages and literatures; international relations), Delaware. 20th- and 21st-century Austrian and German literature, cultural history, and visual culture; Viennese modernism; Austria-Hungary; silent film; early 20th-century dance; body studies and performance studies.

**Andrea Krauss,** Associate Professor; Director of Graduate Studies. Ph.D. 2001, Free University of Berlin; Habilitation/venia legendi (German Literature and Literary Theory) 2010, University of Zurich. German Literature, Poetics/Aesthetics of the long 18th century, German Literature after 1945, Exile Literature, Literary Theory, Methodology, Cultural Theory and Analysis.

**Avital Ronell,** University Professor of the Humanities (German, Comparative Literature). Ph.D. 1979 (Germanic languages and literature), Princeton; B.A. 1974 (German, philosophy, French), Middlebury College. Literary and other discourses; feminist and queer letters; philosophy; technology and media; psychoanalysis; deconstruction; performance art.

**Elisabeth Strowick,** Professor. Ph.D. 1998, University of Hamburg; Habilitation/venia legendi (German Literature and Literary Theory) 2005, University of Basel. German literature and thought from the 19th century to the present, literary theory, psychoanalysis, aesthetics, rhetoric, poetics of knowledge.

**Friedrich Ulfers,** Associate Professor. Ph.D. 1968, M.A. 1961, New York; B.B.A. 1959, City College (CUNY). German Romanticism (E.T.A. Hoffmann, Friedrich Schlegel, Novalis); 20th-century novel (Kafka, Max Frisch, Günter Grass, Robert Musil); post-structuralist/deconstructionist theory (from Nietzsche to Derrida).
COURSES

Problems in Critical Theory
GERM-GA 1112 Ronell. 4 points. 2018-19
Past topics have included “Kant’s third critique and Arendt’s lectures” and “theories of history.”

Origins of German Critical Thought I
GERM-GA 1115 4 points. 2018-19
A systematic introduction to German intellectual history with special emphasis on the role of art. Authors include Baumgarten, Herder, Kant, Schiller, Schlegel, Schelling, and Hegel.

Origins of German Critical Thought II
GERM-GA 1116 4 points. 2018-19
A continuation of GERM-GA 1115, this course presents Marx, Nietzsche, Heidegger, Gadamer, Adorno, Derrida, de Man, and Luhmann.

German Romanticism
GERM-GA 1420 Weatherby. 4 points. 2018-19
Examines the Romantic Movement as a way of living and writing. Attention is given to the development of a “new” mythology connecting poetry and myth, to romantic irony as a specific aesthetic process, and the discovery of the unconscious ant the irrational.

Franz Kafka
GERM-GA 1512 Ulfers. 4 points. 2018-19
Kafka’s work in the light of his preoccupation with language, particularly with the way this preoccupation affected his writing. The point of departure is the problematization of the referential function of language. An examination of Kafka’s diaries and letters follows.

Modern German Drama
GERM-GA1520 Bronfen. 4 points. 2017-2018
Modern German plays after 1945 to the present. Major theoretical essays on the function of the theater as a public institution and the problem of how to represent to the world on the stage are discussed in conjunction with the plays.

Visual Culture
GERM-GA 1650 Bronfen. 4 points. 2018-19
Focuses on the role of visuality in modernist thought, with an emphasis on the German tradition. Examines how epistemological models are oriented to a subject defined as a viewer and producer of images. Readings in critical theory, art history, and theories of film and photography.

Photography and the World
GERM-GA 1698 Baer. 4 points. 2017-18
An investigation into the ways photography has been conceptualized since its inception until its recent transformation brought about by the advent of digital imaging. Particular attention is paid to the notion of the “world” as it informs

Leif Weatherby, Assistant Professor, Ph.D.
2012 (comparative literature and literary theory), Pennsylvania; B.A. 2007 (German studies), Wesleyan.
German Enlightenment and Romanticism; Idealism; history of science and aesthetics; Marx and Marxism.

Christopher Wood, Professor; Chair. Ph.D. 1991 (history and literature); A.B. 1983 (fine arts), Harvard.
Temporalities of art: anachronism, archaism, typology, primitivisms; history of scholarship; folk art and folk literature; Märchen and Sagen; portraiture and “embedded” portraits; votive objects and images, pilgrimages, relics; drawing and studio practice in the Renaissance; European art and the New World; art and replication technologies; magic and witchcraft in early modern Europe; art and the Protestant Reformation; iconoclasm; German art and culture in the 19th century; art and poetry of Romanticism.

VISITING FACULTY

Elisabeth Bronfen, Professor (English, American Studies). Zurich.

Werner Hamacher, Eberhard Berent Visiting Professor, Professor; Emmanuel Levinas Chair, European Graduate School.

Daniel Kehlmann, Eberhard Berent Visiting Professor and Distinguished Writer in Residence.

Slavoj Žižek, Professor, Philosophy.
University of Ljubljana.

Rosemarie Brucher, Visiting Assistant Professor, German, heaterwissenschaft am Zentrum für Genderforschung, Kunstuniversität Graz.

Werner Hamacher, Eberhard Berent Visiting Professor, Professor; Emmanuel Levinas Chair, European Graduate School.

Daniel Kehlmann, Eberhard Berent Visiting Professor and Distinguished Writer in Residence.

Slavoj Žižek, Professor, Philosophy.
University of Ljubljana.
most theoretical attempts to grasp photography; the way in which the rise of photography is indissociably linked to the emergence of psychoanalysis and phenomenology; theories of perception; issues of veracity, mimesis, and aesthetics; and the relation between photography and its historical moment.

**Friedrich Nietzsche**
GERM-GA 1842  *Ulfers. 4 points. 2017-18*
Examination of Nietzsche’s terms “Appollonian” and “Dionysian” in The Birth of Tragedy that serves as the basis for an investigation of his aesthetic theory, epistemology, and ethics. Uses other writings as background and source. Traces Nietzsche’s impact on 20th-century literature.

**Psychoanalysis and Philosophy**
GERM-GA 1863  *Ronell. 4 points. 2018-19*
Explores the fundamental structures of psychoanalysis with a view to its philosophical implications. Readings range from scrupulous analyses of Freud, Lacan, Klein, Derrida, Lacoue-Labarthe, and Nancy to “Heideggerian psychoanalysis” or cryptonymy (Abraham and Torok).

**Literature of the Weimar Period**
GERM-GA 1919  *4 points. 2018-19*
Topics include Weimar modernity, Weimar theatre, women, Jewish aspects and anti-Semitism, the rise of fascism, and the postexpressionist aesthetics of Neue Sachlichkeit (New Sobriety) in novels, drama, poetry, and journalism, with an interdisciplinary interest in the other arts. Works by Roth, brothers Mann, Brecht, Seghers, Horváth, Fleisser, Tucholsky, Polgar, and Kisch.

**Topics in 19th Century Culture**
GERM-GA 2601  *Weatherby/Žižek. 4 points. 2017-18*
Literature of the 19th century, including the novella, the novel, and drama. Considers aspects of 19th-century culture in conjunction with literature, including science, non-literary arts, and philosophy.

**Philosophy and Literature**
GERM-GA 2912  *Ronell. 4 points. 2018-19*
Recent themes include “forgiveness and violence,” “sovereignty,” “trauma.”

**Research**
GERM-GA 3000  *Open to advanced students with permission of the director of graduate studies and chair of the department. 2-6 points. 2017-18, 2018-19*
PROGRAMS AND REQUIREMENTS

Master of Arts

The M.A. degree in Hebrew and Judaic studies is awarded to students who have completed at least 32 points of graduate course work (a minimum of 24 points in residence at New York University), including the required HBRJD-GA 1004, Recent Developments in Hebrew and Judaic Studies, demonstrated proficiency in Hebrew and at least one additional foreign language, passed a written comprehensive examination, completed a research paper in a departmental seminar, and obtained certification from two members of the department that the paper demonstrates research competence appropriate to the M.A. level.

The Skirball Department of Hebrew and Judaic Studies has a cooperative arrangement with the Program in Museum Studies that allows students to pursue the M.A. degree in Hebrew and Judaic Studies with a concentration in Museum Studies. Completion of the M.A. with this concentration requires 38 points, of which 24 are taken in Hebrew and Judaic Studies; a full summer internship in a museum or cultural institution; and all examination and paper requirements for the M.A. degree in Hebrew and Judaic Studies. This specific area of study is intended primarily for those who are or will be working as museum professionals in collections relating to Jewish history and civilization. Students interested in the M.A. with a concentration in museum studies should consult the director of graduate studies of the Skirball Department of Hebrew and Judaic Studies or the Program in Museum Studies.

Dual Degree Master of Public Administration in Public and Nonprofit Management and Policy and Master of Arts in Hebrew and Judaic Studies

The dual degree Program in Public and Nonprofit Management and Policy and Hebrew and Judaic Studies, sponsored jointly by the Robert F. Wagner Graduate School of Public Service and the Skirball Department of Hebrew and Judaic Studies, leads to the M.P.A. degree in public and nonprofit management policy and the M.A. degree in Hebrew and Judaic Studies. It is intended to train students for careers in Jewish communal service.

The dual degree requires a total of 63 points of credit, 39 at Wagner and 24 in Hebrew and Judaic Studies. The Wagner M.P.A. program includes five required core courses and a choice of five structured specializations in management, policy, finance, international, or health. In addition to their core and specialization requirements, dual degree students also complete the Taub Seminar and a
Capstone project in their specialization. The M.A. program in Hebrew and Judaic Studies includes eight courses, of which two are required: HBRJD-GA 1004, Recent Developments in Hebrew and Judaic Studies, and HBRJD-GA 3224, The Jewish Community. Students must also fulfill a Hebrew language requirement and pass a comprehensive exam. To view a course matrix of the dual degree program, visit wagner.nyu.edu/education/degrees/dual-degree-program/jdsdegreqs.

Dual Degree Master of Arts In Education and Jewish Studies and Master of Arts in Hebrew and Judaic Studies

The dual degree Program in Education and Jewish Studies and Hebrew and Judaic Studies, sponsored jointly by the Steinhardt School of Culture, Education, and Human Development and the Skirball Department of Hebrew and Judaic Studies, leads to the M.A. degree in Jewish education and the M.A. degree in Hebrew and Judaic Studies. It is intended to train students for a variety of careers in Jewish education.

Students complete the requirements for both M.A. programs concurrently. Students register through the Steinhardt School for the first three semesters and through the Graduate School of Arts and Science for the remainder of their academic careers.

The M.A. in Education program includes three required core courses and four courses in Curriculum and Instruction, Leadership and Administration, or Foundations of Education. Students must also complete the Master's Seminar in Education and Jewish Studies I & II, which supports a terminal project, an M.A. Thesis or a Capstone Project, in addition to two elective courses. Dual degree students complete a total of 32 credits at Steinhardt.

The M.A. program in Hebrew and Judaic Studies includes two required courses, HBRJD-GA 1004, Recent Developments in Hebrew and Judaic Studies, and HBRJD-GA 1518, History of Jewish Education, a comprehensive exam, and 18 elective credits for a total of 24 credits. Students must also fulfill a Hebrew language requirement. Twelve credits are shared between the two programs. To view a course matrix of the dual degree program, visit steinhardt.nyu.edu/humsocsci/jewish/master#dualma.

Doctor of Philosophy

The Ph.D. is a research degree. Its completion signifies that the recipient is able to conduct original research and has made a serious contribution to knowledge of the field. Students must train in a major and a minor field and must acquire both the Judaic and general background and methodology necessary for their research.

To qualify for the doctorate, a student must satisfactorily complete graduate studies totaling 72 points (a minimum of 32 points in residence at New York University), including the required course HBRJD-GA 1005, Problems and Methods in Hebrew and Judaic Studies, pass written qualifying examinations in major and minor fields and an oral examination in the major field, and present an acceptable dissertation.


Yael S. Feldman, Abraham I. Katsh Professor of Hebrew Culture and Education. Ph.D. 1981, M.Phil. 1980 (Hebrew literature, Russian fiction, and literary theory), Columbia; M.A. 1976 (medieval Hebrew literature), Hebrew College; B.A. 1967 (Hebrew and English literature), Tel Aviv. Modern Hebrew literature; literary theory; gender and cultural studies.

Daniel E. Fleming, Professor. Ph.D. 1990 (near eastern languages and civilizations), Harvard; M.Div. 1985 (Bible), Gordon-Conwell Theological Seminary; B.S. 1979 (geology), Stanford. Assyriology; Hebrew Bible interpretation and cultural history; ancient Syria.


Benjamin Hary, Professor. Ph.D. 1987 (near eastern studies), M.A. 1979 (near eastern studies), California (Berkeley); B.A. 1976 (Arabic and Hebrew), Hebrew. History of Jewish languages; Jewish religion, history, society and culture in the Islamic world; Judeo-Arabic language and linguistics; corpus linguistics and modern Hebrew.


Rosalie Kamelhar, Senior Language Lecturer; Coordinator, Hebrew Language Program. Ph.D 1986 (modern Hebrew literature), New York; M.A. 1975 (Hebrew), Hunter College (CUNY); B.A. 1973 (psychology), Queens College (CUNY). Hebrew language.
Students must demonstrate proficiency in the Hebrew language in its various phases as well as a reading knowledge of two modern Western languages or research languages, as demonstrated by examination.

**Joint Degree Doctor of Philosophy in Hebrew and Judaic Studies and History**

Students who have been admitted to graduate study in Hebrew and Judaic Studies or History may apply for a joint doctoral program in both departments. Candidates who have not yet matriculated at New York University may apply directly for admission to the program. Students complete 36 points in Hebrew and Judaic Studies and 36 points in History, pass major field written examinations in both departments and a joint oral examination, meet all language requirements for the Ph.D. degree in Hebrew and Judaic Studies, and present an acceptable dissertation.

In the Skirball Department of Hebrew and Judaic Studies students ordinarily take 15 points in medieval or modern Jewish history, 9 points in other periods of Jewish history, 9 points in other areas of Judaic studies, and the 3-point introductory methods course, HBRJD-GA 1005, Problems and Methods in Hebrew and Judaic Studies. In the Department of History students ordinarily take 24 points in medieval or modern history, 4 points in an appropriate Literature of the Field course, and 8 points in doctoral seminars.

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**COURSES**

**Required Courses for Incoming Graduate Students**

**Recent Developments in Hebrew and Judaic Studies**

HBRJD-GA 1004  *Chazan*. 3 points. 2017-18, 2018-19

This course gives students a foundation in the development of modern Jewish studies from the 19th century to the present in Europe, North America and Israel. Students will also learn about the current state of the field by examining recent developments in the sub-fields of history, religious studies, Jewish thought, and Jewish literature. Note: This course is required for master’s degree students.

**Problems and Methods in Hebrew and Judaic Studies**

HBRJD-GA 1005  *Engel, Gottlieb*. 3 points. 2017-18, 2018-19

Introduces incoming graduate students to the field of Hebrew and Judaic studies, in its disciplinary, chronological, and geographic diversity. Contemporary issues and innovative approaches in the various areas of Judaic studies are explored. Note: This course is required for doctoral degree students.

**Academic Hebrew**

HBRJD-GA 1318  *Kamelbar*. 3 points. 2017-18, 2018-19

Required of all students who do not pass the departmental Hebrew reading comprehension examination upon matriculation. Intensive study of the language of Hebrew academic discourse. Students study primary source material in their area of specialization and secondary critical material.

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Marion Kaplan, Skirball Professor of Modern Jewish History. Ph.D. 1977 (history), M.A. 1969 (history), Columbia; B.A. 1967 (history), Rutgers. Modern European history.

Adina Marom, Language Lecturer. M.A. 1980 (Hebrew literature), Hebrew College; M.A. 1977 (education), Boston; Certificate 1977 (pedagogy), B.A. 1971 (Hebrew literature and history), Tel Aviv.

Ann Macy Roth, Clinical Associate Professor (Hebrew and Judaic Studies, Art History). Ph.D. 1985 (Egyptology), B.A. 1975 (Egyptology), Chicago. Egyptology; archaeology; ancient Near Eastern studies; Egyptian art; Egyptian mortuary traditions.


Elisha Russ-Fishbane, Assistant Professor. Ph.D. 2009 (near eastern languages and civilization), Harvard; B.A. 2001 (classics), Chicago. Jewish history in the Islamic world; Judaism and Sufism; Maimonides and Maimonidean legacies in the medieval Near East and Christendom.

Lawrence H. Schiffman, Judge Abraham Lieberman Professor of Hebrew & Judaic Studies. Ph.D. 1974 (near eastern and Judaic studies), M.A. and B.A. 1970 (near eastern and Judaic studies), Brandeis. Dead Sea Scrolls; Jewish religious, political, and social history in late antiquity; the history of Jewish law and Talmudic literature.
**Integrative Courses**

**History of Jewish Education**  
HBRJD-GA 1518  *Chazan. 3 points. 2017-18*  
This course will look at means, goals, and objectives of Jewish education through the 20th Century.

**Jews, Judaism, and Economics**  
HBRJD-GA 2468  *Engel. 3 points. 2017-18*  
An exploration of normative attitudes in Jewish religious literature regarding the production, distribution, and consumption of goods and services; the relation of actual practice in different periods of Jewish history to religious norms; the historical modes of interaction between Jews and non-Jews in the economic realm; and prominent theories concerning the nexus between Jewish culture and particular economic systems (notably capitalism and socialism). Open to students at the masters and doctoral levels.

**The Jewish Community**  
HBRJD-GA 3224  *Chazan. 3 points. 2017-18, 2018-19*  
Discussion of the fundamental institutions of Jewish community and social organization as expressed in Jewish thought and as evidenced in Jewish history in all periods, up to the present. Emphasis is on primary sources regarding varying conceptions of group solidarity and mechanisms for attaining it, including the role of the individual, the family, the community, the state, and the Jewish people as a whole.

**The Bible in Jewish Culture**  
HBRJD-GA 3324  *Gottlieb. 3 points. 2018-19*  
Exploration of the diverse roles played by the Hebrew Bible in constructions of Jewish identity and in cultural productions by Jews through the centuries.

**Biblical and Ancient Near Eastern Studies**

**Akkadian I, II**  
HBRJD-GA 1101, 1102  *Staff. 3 points per term. 2018-19*  
Introduction to cuneiform script and to the Akkadian language, with emphasis on grammatical structure.

**Akkadian III, IV**  
HBRJD-GA 1103, 1104 GA  *Prerequisite: HBRJD-GA 1102 or the equivalent. Staff. 3 points per term. 2017-18*  
Reading of Akkadian literature.

**Aramaic I: Biblical Aramaic**  
HBRJD-GA 1117  *Staff. 3 points. 2018-19*  
Introduction to the various phases of Aramaic. Readings are selected from early and imperial documents, including Elephantine and inscriptions. Prerequisite: one year of classical Hebrew or the equivalent.
Aramaic II: Qumran Aramaic
HBRJD-GA 1118 Staff. 3 points. 2018-19
Introduction to Aramaic documents found at Qumran and contemporary sites. This represents the intermediate phase of Aramaic and Bar Kokhba texts. Students are encouraged but not required to take Aramaic I prior to enrolling in Aramaic II.

Aramaic III: Syriac Aramaic
HBRJD-GA 1119 Staff. 3 points. 2017-18
Introduction to sources preserved by the early Christian communities of the ancient and medieval Near East in Syriac.

Aramaic IV: Talmudic Aramaic
HBRJD-GA 1120 Staff. 3 points. 2017-18
Introduction to Galilean and Babylonian Jewish Aramaic and related texts.

Topics in the Bible
HBRJD-GA 3311 Fleming, Jassen. 3 points. 2017-18, 2018-19
Study of a selected biblical book, with careful attention to literary and historical problems.

Second Temple and Rabbinic Literature And History

Rabbinic Texts
HBRJD-GA 2140 Rubenstein, Schiffman. 3 points. 2018-19
Study of the interrelationships of the Mishnah, Tosefta, and Talmuds with one another and the midrashic corpus. Emphasizes the issues that arise from Rabbinic intertextuality from both literary and historical points of view.

Seminar: Dead Sea Scrolls
HBRJD-GA 2230 Jassen. 3 points. 2018-19
Selected texts are read and analyzed in order to reconstruct the Judaism of the Qumran sect and other groups of Second Temple period Jews. Students are trained in the use of Qumran manuscript sources and paleography.

Talmudic Texts: Bavli Narratives
HBRJD-GA 2379 Rubenstein. 3 points. 2017-18
Devoted to the study of narratives of the Babylonian Talmud, combining literary approaches with methods of critical Talmud study, including source criticism and form criticism. Other topics include the relationship to earlier versions in Palestinian rabbinic compilations, the legal and redactional context of stories, and the contribution of the Talmudic redactors.

Midrashic-Talmudic Narratives
HBRJD-GA 2380 Jassen, Rubenstein. 3 points. 2017-18
Focuses on the midrashim Genesis Rabbah, the classic exegetical midrash, and Leviticus Rabbah, the classical midrash homiletical. Close textual study is combined with theoretical issues such as defining midrash, intertextuality, form-criticism, hermeneutics, the documentary approach, and the social context of midrash.
**Medieval Jewish History**

**Medieval Ashkenazic Jewry**
HBRJD-GA 2642  *Chazan. 3 points. 2018-19*
This course focuses on the Jews of northern Europe from the beginning of the second millennium through the fifteenth century, with particular emphasis on the eleventh through thirteenth centuries. Topics addressed will include: demography, the economic profile of medieval Ashkenazic Jewry, political status, social relations with the non-Jewish milieu, internal communal organizations, and patterns of cultural and religious creativity.

**History of Medieval Sefardic Jewry**
HBRJD-GA 2643  *Chazan. 3 points. 2018-19*
This course focuses on the history of Jews on the Iberian peninsula from antiquity through the expulsions of the 1490s. Topics addressed include: demography, the economic profile of Iberian Jewry, political status, social relations with the non-Jewish milieu, internal communal organizations, and patterns of cultural and religious creativity.

**Medieval Jewish Thought and Literature**

**Maimonides’ Guide of the Perplexed and Related Literature I**
HBRJD-GA 2441  *Russ-Fishbane. 3 points. 2017-18*
Intensive study of the sources of Maimonides’ thought in both the Jewish and non-Jewish worlds. Analysis of part I of The Guide from this perspective.

**Topics in Medieval Jewish Philosophy**
HBRJD-GA 3460  *Staff. 3 points. 2018-19*
Analysis of major texts and issues in medieval Jewish philosophy. Topic changes annually.

**Modern Jewish Thought**

**Topics in Modern Jewish Thought**
HBRJD-GA 3460  *Gottlieb. 3 points. 2018-19*
Analysis of major texts and issues in medieval Jewish philosophy. Topic changes annually.

**Modern Jewish History And Culture**

**Yiddishism in the 20th Century**
HBRJD-GA 1320  *Estraikh. 3 points. 2018-19*
Examination of the origin and development of Yiddishism as an international cultural movement and an ingredient of Jewish subcurrents in socialism, anarchism, folkism, and communism.
Academic Yiddish I, II
HBRJD-GA 1216, 1217  Estraikh. 3 points. 2017-18, 2018-19
Intensive study of the language of Yiddish academic discourse. Students study primary source material in their area of specialization and secondary critical material.

Jewish Collectivity and Mutual Responsibility
HBRJD-GA 1513  Zweig. 3 points. 2018-19
This course provides an academic discussion of the history of Jewish Philanthropy in the 19th and 20th centuries and traces the influence of historical events on the policies of the Jewish organizational world of today.

Israel, The United States, and Soviet Jewry
HBRJD-GA 1420  Estraikh. 3 points 2017-18
This course focuses on main Jewish-related events and interaction in Israeli, American, and Soviet life. The topics to be covered include the Bolshevik revolution on Jews in the U.S. and Palestine, the participation in American-Jewish organizations in Soviet Jewish projects in the 1920s and 30s, the international links of the Soviet Jewish Anti-Fascist Committee, and the movement for Soviet Jewish emigration. Special attention will be paid to the Cold War period.

Non-Zionist Colonization Projects
HBRJD-GA 1542  Estraikh. 3 points. 2018-19
Focuses on the history of Jewish colonization projects developed outside Palestine/Israel, from the 19th to the first half of the 20th centuries. The topics that will be covered include the imperial Russian and Soviet governments’ policies toward Jews and various attempts to make Jews “productive” by establishing farming communities in such countries as the United States, Canada, Argentina, Brazil, and Dominican Republic. Special attention will be paid to the Jewish Autonomous Region (Birobidzhan) in Russia and its sponsors. Also discussed is the role of Jewish political movements, and American and international Jewish organizations in initiating and supporting the colonization projects. The main objective of this course is to give students a detailed grasp of the history of non-Zionist Jewish colonization in various countries of the world.

The Making of Israeli Foreign Policy
HBRJD-GA 2117  Zweig. 3 points. 2018-19
This course will trace the evolution of Israel’s foreign policy concerning the Arab-Israeli conflict, the United States and the world at large. The evolution of different and sometimes conflicting foreign policy objectives will be considered in light of the changing national leadership and domestic politics. The course will examine the debate over possible new approaches to the Arab-Israeli conflict (and the future of the occupied territories) that emerged following the war of 1967. The transformation of the conflict from one between Israel and the neighboring states to a direct engagement between Israel and the Palestinians, both military and then diplomatic, will be discussed. The course will also look at Israel’s emerging relations with China and India.
Israeli State and Society: Israel in the 1960s
HBRJD-GA 2659 Zweig. 3 points. 2018-19
The course will examine the events leading up to the resignation of David Ben-Gurion and the leadership crisis that followed in the ruling Labor Party, the start of the settlement movement and the Greater Israel movement, and conclude with a discussion of the transformation of Israeli society between 1960-1970 and will integrate these diverse issues discussed above into an overview of the decade. Israeli policy toward the occupied territories and especially toward their Palestinian population will be discussed. Students taking this course will gain an in-depth understanding of the myriad factors at play in shaping Israel’s statehood in the 1960s.

Jews and Germans in Postwar Germany: Conflicting Memories, Contentious Relations, 1945-2000
HBRJD-GA 2677 Kaplan. 4 points. 2018-19
Explores the interactions of Jews and Germans after World War II, noting their interlocking histories and memories even after the Holocaust. Examines the immediate postwar turmoil, the displaced persons, Allied occupation, and “denazification,” and analyzes how Germans—East and West—did or did not come to terms with their Nazi past over time. Features readings in which Jews offer perspectives on their lives in West and East Germany—why they remained, how they experienced their citizenship, how they interacted with Germans, and how reunification (in 1990) affected them.

Memoirs and Diaries in Modern European Jewish History
HBRJD-GA 2688 Kaplan. 4 points. 2017-18
Readings of memoirs and diaries written by European Jewish women and men from the 18th century through the Holocaust. Students read memoirs with several issues in mind: (1) the history we can learn from them and how to use them critically, (2) the relationship between personal viewpoints and collective experiences, (3) the ways in which Jewish and European societies cultivated memory, (4) the question of why individuals wrote and how they framed and fashioned their lives for their readers, (5) how gender, class, and European context influenced memoirists, (6) how audience (or lack of an intended audience) influenced writers.

Major Issues and Problems in Modern Jewish History
HBRJD-GA 2690 Staff. 4 points. 2017-18, 2018-19
Explores a general topic in modern Jewish history on a comparative basis across a broad range of geographical contexts.

Jewish Women in America and Europe: Historical Problems
HBRJD-GA 2710 Diner, Kaplan. 4 points. 2018-19
This comparative course looks at the historical experiences of Jewish women in both Europe and the United States, focusing on work, education, family, communal activism, among other topics.
Creating the State: Issues in Israeli History in the 1950s
HBRJD-GA 2756  Zweig. 4 points. 2018-19
After the ceasefire agreements that followed the war of 1948, Israel faced the challenge of creating the political, administrative, and legal institutions necessary for statehood. The course examines the domestic political and foreign policy issues that determined the character of the Israeli state.

Topics in American Jewish History
HBRJD-GA 3520  Diner. 4 points. 2017-18, 2018-19
Analysis of major issues and texts in American Jewish History. Topic changes annually.

Topics in Holocaust Studies
HBRJD-GA 3530  Engel. 4 points. 2018-19
In-depth study of a specific problem related to the history of the Jews under Nazi impact, with emphasis on training in research methods. Topics may include examination of the history of a specific Jewish community under Nazi rule, the evolution of Nazi Jewish policy, the Jewish councils, armed resistance, relations between Jews and non-Jews under Nazi occupation, the Allied governments and the Holocaust, and free-world Jewry and the Holocaust.

Topics in East European Jewish History
HBRJD-GA 3535  Engel. 4 points. 2018-19
Exploration of a selected problem in the history of the Jews in Eastern Europe, emphasizing primarily, but not necessarily limited to, Russia and Poland.

Modern Hebrew Literature
Readings in Hebrew Literature
HBRJD-GA 3314  Feldman. 3 points. 2018-19
The impact of the past, both recent and distant, and authors’ wrestling with the issues it raises, will be studied through short units of modern Hebrew prose and poetry to fit the capacity of MA/PhD Jewish Studies students w/ mid-level Hebrew.

Topics in Modern Hebrew Literature
HBRJD-GA 3502  Feldman. 3 points. 2017-18
Advanced seminar on specialized topics that change annually (e.g., major authors; critical and theoretical surveys).

Sacrifice, Culture, and Gender: From Isaac and Iphigenia to Contemporary Sacrificial Narratives
HBRJD-GA 3992  Feldman. 4 points. 2018-19
Explores modern responses to the moral and gender implications of two different constructions of human sacrifice that Western culture has inherited from antiquity: the Hebrew Bible and Greek myth and dramas.
Research

Master's Thesis Research
HBRJD-GA 2901, 2902  1-4 points per term. 2017-18, 2018-19

Directed Study in Ancient Near East
HBRJD-GA 3507  1-4 points per term. 2017-18, 2018-19

Directed Study in Jewish History
HBRJD-GA 3791, 3792  1-4 points per term. 2017-18, 2018-19

Directed Study in Hebrew Literature
HBRJD-GA 3793, 3794  1-4 points per term. 2017-18, 2018-19

Directed Study in Hebrew Manuscripts
HBRJD-GA 3795, 3796  1-4 points per term. 2017-18, 2018-19

Directed Study in Jewish Thought
HBRJD-GA 3797, 3798  1-4 points per term. 2017-18, 2018-19

Dissertation Research
HBRJD-GA 3801-3802  1-4 points per term. 2017-18, 2018-19
PROGRAMS AND REQUIREMENTS

Master of Arts in History

The master's degree in history offers students graduate work that serves a variety of needs and purposes. A master's program can be an end in itself for students whose personal and/or professional goal is an M.A. degree. The M.A. can also be a preparatory graduate degree en route to the doctorate; however acceptance into the M.A. program does not constitute admission into the Ph.D. program in the Department of History. Students who decide they want to pursue a Ph.D. may later apply for admission to the doctoral program. The Department of History only offers admission to the terminal M.A. in History to students who intend to specialize in the History of Women and Gender. The specialization in History of Women and Gender encourages students to explore the social, cultural, and political meanings and uses of gender constructs and to challenge traditional narratives about men and women across history. Our specialization draws its strength from our faculty's commitment to investigating the history of women and gender, and from a long tradition of feminist scholarship.

The M.A. in History requires the completion of 32 points of course work, of which at least 24 must be within the Department of History. No more than 8 points may be transferred from other graduate schools. Students must take the M.A. Proseminar, HIST-GA 2022, which provides them with an introduction to the professional study of history. For terminal M.A. students in the Women and Gender specialization the department recommends that students enroll in three courses (12 points) that focus substantively on gender, offered either by our core faculty or, with approval, by faculty from across the university and beyond, three topical history courses (12 points) intended to deepen historical expertise in chronological or geographical fields, and one seminar in which a substantial research paper is completed. Students must also write an M.A. thesis (normally determined by the end of the first semester) which, for students pursuing the specialization, should consider gender as a central category of analysis. Students select a faculty adviser to direct the thesis and register for an independent study with the adviser in the final semester (4 points). All students enrolled full-time are expected to complete their course work after three semesters. Part-time students are allowed to stretch the program out over a maximum of six semesters.
Master of Arts in World History

The Department of History offers an M.A. program in World History that introduces students to the methods and approaches used by historians to study global and transnational phenomena. It also engages students in comparative and thematic work exploring the history of at least two world regions. Students must undertake study of two regions of the world, one of which will be designated the major field and one as the minor. The available regions are Africa, East Asia, South Asia, Europe, Latin America and the Caribbean, the Middle East, and North America. Students must elect at least one field outside of Europe and North America.

Students in the World History M.A. program complete 32 points of course work. The core curriculum depends upon the student choice of writing either a master’s essay or a master’s thesis in fulfillment of the capstone requirement. The following courses are required regardless of option: the M.A. Proseminar, HIST-GA 2022, Methods and Approaches to World History, HIST-GA 2168, three courses in the major field of study (12 points), two courses in the minor field of study (8 points), and one course covering comparative or transnational themes (4 points). If the master’s essay is chosen, it should address some of the thematic or comparative questions encountered in the core courses, must receive a grade of A- or higher. If the thesis option is chosen, students must also register for HIST-GA 3019, Master’s Thesis, during which they will produce an original piece of historical scholarship that builds a strong and compelling argument based on a comprehensive knowledge of the appropriate primary and secondary sources.

The thesis option provides an opportunity for students in New York University’s M.A. in World History program to build their skills as historians while engaging in rigorous independent scholarship under the mentorship of a member of the Department of History. The goal in writing the M.A. thesis is to produce a polished article-length work with the potential for publication.

Students must also demonstrate proficiency in a foreign language that has direct relevance to their area of study. The choice of language must be approved by the student’s advisor. Students may satisfy proficiency by either passing the proficiency examination in the language given by the Graduate School of Arts and Science or by having earned a grade of B+ or better in an intermediate or advanced language course in a college or university no more than two years prior to enrollment. Exceptions may be made, by which a student's adviser may specify some other procedure to demonstrate sufficient competence.

Master of Arts in Archives and Public History

The Department of History offers an M.A. Program in Archives and Public History. The Archives and Public History M.A. Program can be combined with an Advanced Certificate in Archival management or Public History. Archivists and public historians present and interpret history in a wide variety of dynamic venues, ranging from history museums to digital libraries. For three decades, NYU
has prepared students for successful careers as archivists, manuscript curators, documentary editors, oral historians, cultural resource managers, historical interpreters, and new media specialists. The program emphasizes a solid grounding in historical scholarship, intense engagement with new media technologies, and close involvement with New York’s extraordinary archival and public history institutions. Students in the program elect to follow a concentration in either archival management or public history.

Students in the Archives and Public History M.A. program complete a 32 point program of study. The following courses are program requirements: either Introduction to Archives, HIST-GA 1010, or Intro to Public History, HIST-GA 1750, at least one of the three digital offerings: Creating Digital History HIST-GA 2033, History in the New Media HIST-GA 1023, or Digital Archives HIST-GA 1011, two electives in the concentration (8 points), and the Internship Seminar, HIST-GA 2011. It is also strongly recommended that students enroll in the M.A. Proseminar, HIST-GA 2022. Students must also enroll in the Research Seminar, HIST-GA 2034, in which students must complete a capstone project approved by the director. Students must receive a letter grade of B or better.

Dual Degree Master of Arts in History and Juris Doctor

This program allows accepted applicants to obtain an M.A. in History and a J.D. from the School of Law. Applicants apply to each degree program separately. Students may apply to the Department of History either concurrently with their application to NYU School of Law or during the first year of study at the law school. Admission to one degree program does not depend upon nor guarantee admission to the second degree program; all admissions decisions are made distinctly. The J.D.-M.A. program enables students to complete a J.D. and earn a master’s degree in four years. Under some circumstances, it may be possible to complete the program in seven semesters. The dual degree program is offered only on a full-time basis. The School of Law requires 83 points for the J.D. and the M.A. requires 32 points. Students enrolled in the dual degree program may apply 12 points of credit earned toward the M.A. to the J.D. and 8 points earned toward the J.D. may be applied toward the M.A., resulting in 20 points of savings allowing the student to earn both degrees with only 95 total points completed. Information on the requirements for the J.D. may be found in the School of Law bulletin.

Doctor of Philosophy

The program for the Ph.D. degree provides a framework within which students can acquire the following training and experience: (1) broad exposure to a general area of interest and to its current literature and controversies; (2) more intense training in the special field in which the student intends to conduct research and do his or her primary teaching; (3) a sound but more limited introduction to a second field; (4) training in research procedures and methods; (5) appropriate linguistic competence; and (6) the completion of a dissertation judged to be a significant piece of historical research and writing.
Ph.D. students must complete 72 points of course work (equivalent to 18 4-point courses). In each of the first three years, students must complete 24 points of course work, by August 15 at the latest. Students must maintain a GPA of 3.5 or above. All students must take the course Approaches to Historical Research and Writing I, HIST-GA 3603, as well as their major area Literature of the Field course in their first year. The following major fields are available: Africa, African Diaspora, Atlantic World, East Asia, Medieval Europe, Early Modern Europe, Modern Europe, Latin America and the Caribbean, South Asia, and the United States. In addition, students must complete a research seminar and research paper by May 15th of the first year.

Each doctoral student must designate a major field, within which the subject of the student's dissertation falls and presumably the field in which the student expects to be principally involved as a writer and teacher. Major fields should be broad enough so that they can teach students to teach an upper-level undergraduate course or a graduate colloquium, but narrow enough so that students can develop professional competence in a body of literature. Major fields may be defined in chronological and geographical terms, or they may be partly thematic. In each case, a student's major field should be worked out in discussion with his or her adviser and with at least one additional faculty member who has agreed to participate in examining it. Each doctoral student also must choose, by the end of the third semester, a second field and a second field adviser, who will examine the student in the qualifying exam. A second field may have the same dimensions as the major field, or it may be thematically defined. In every case, however, the second field may not be contained within the student's major field but must introduce some significant new area or dimension. Second fields may also be arranged in some fields in which no major fields are available and may be comparative or transnational. Archival management and historical editing also qualify as second fields, without respect to the major field. Women's history and public history, if comparative, also qualify as second fields without respect to the major field.

Ph.D. students should satisfy the foreign language requirement for their field of study within the first year of graduate study and must do so by the time they complete 48 points of course work. The minimal departmental requirement is one foreign language; additional languages may be required by the student's advisory committee. Students must demonstrate proficiency in a foreign language that has direct relevance to their area of study. Students may satisfy proficiency either by passing the proficiency examination in the language given by the Graduate School of Arts and Science or by having earned a grade of B+ or better in an intermediate or advanced language course in a college or university no more than two years prior to enrollment. Exceptions may be made for languages required for primary research, by which a student's adviser may specify some other procedure as necessary to demonstrate sufficient competence.

Students must pass a written qualifying examination in one of the department's designated major fields, as well as in a second field. Students must take this examination at the end of the second year of study. Students with more than 3

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**Stephanie G. Gross**, Assistant Professor, History and European & Mediterranean Studies. Ph.D. 2010, California (Berkeley); M.A. 2006, California (Berkeley); B.A. 2002 (history and economics) Virginia. German foreign economic policy and cultural diplomacy in the 20th century; European integration and economic history; history of international relations.

**Steven Hahn**, Professor, History. Ph.D. 1979, Yale; B.A. 1973, University of Rochester. Nineteenth century world; Slavery, emancipation, and race; History of the American south; History of capitalism; African-American history; History of popular politics.


**Myles W. Jackson**, Professor of the History of Science, NYU-Gallatin; Professor, History. Ph.D. 1991 (history and philosophy of science), M. Phil. 1988 (history and philosophy of science) Cambridge; B.A. 1986 (German literature and biological sciences), Cornell. History of science and technology, German history, music and science/technology, intellectual property and molecular biology.


incompletes will not be allowed to take the exam. A student who does not pass the examination has the right to retake it once. The qualifying examination is not a comprehensive examination. It is intended to test how well each student understands and can explain historical arguments and issues and bring to bear pertinent information and knowledge in discussing them within the chosen field of specialization.

Each student must submit a dissertation proposal and defend it during the course of a 90-minute oral examination no later than the end of the first week of the sixth semester. The committee for the examination consists of three faculty members: one is the student’s major adviser; the other two are normally readers of the dissertation. Where appropriate, one member of the committee may be from outside the department.

Each student must write a dissertation under the supervision of a member of the department (joint advisers are permitted). The dissertation committee, including the adviser, has five members; a minimum of three must be Department of History full-time faculty.

**Concentration in Medieval and Renaissance Studies:** The concentration in Medieval and Renaissance Studies is interdisciplinary in nature and creates a framework and community for diverse approaches to the study of the Middle Ages and Renaissance. It complements doctoral students’ work in their home departments with interdisciplinary study of the broad range of culture in the medieval and early modern periods, as well as of the theories and methods that attend them. The concentration is designed to train specialists who are firmly based in a traditional discipline but who can work across disciplinary boundaries, making use of varied theoretical approaches and methodological practices. The concentration consists of twenty credits distributed under the following courses: Proseminar in Medieval and Renaissance Studies, MEDI-GA 1100, Late Latin and Early Vernaculars, MEDI-GA 2100 or other approved course, and Medieval and Renaissance Studies Workshop, MEDI-GA 2000, 2 points per semester taken twice in an academic year. Students must also take one approved course in the area of Medieval and Renaissance Media: Visual and Material Cultures, and one approved course in a medieval or early modern topic. At least one course, not counting either the Proseminar or Workshop, must be taken outside the student’s home department. In addition, students pursuing the concentration will present a paper at least once either in the Workshop or in a conference offered by the Medieval and Renaissance Center.

**Joint Degree Doctor of Philosophy in French Studies and History**

A joint degree Ph.D. program is available with the Institute of French Studies. Admission to this joint degree program must be granted by both the Department of History and the Institute for French Studies upon entry or at the point of screening. For more information on and requirements for this degree, please see the Institute of French Studies section of this Bulletin.

**Monica Kim,** Assistant Professor, History. Ph.D. 2011, Michigan; B.A. 2000, Yale. United States, decolonization; Race, empire, and modern warfare; Transpacific Asian and Asian-American history

**Yanni Kotsonis,** Associate Professor, History and Russian & Slavic Studies. Ph.D. 1994, Columbia; M.A. 1986 (Russian history), London; B.A. 1985, Concordia (Montreal). Nineteenth- and 20th-century Russia; modern Europe; political economy; historical methods.

**John Joseph Lee,** Professor, History; Director, Irish Studies; Glucksman Professor of Irish Studies. M.A. 1968, Cambridge; M.A. 1965, National (Ireland); B.A. 1962 (History/Economics), University College (Dublin); hon.: D.Litt. 2006 National (Ireland). History of Ireland and Irish diaspora.


**David Ludden,** Professor, Chair, History. Ph.D. 1978, M.A./B.A. 1972, Pennsylvania. Economic development; globalization; agrarian conditions; health and poverty; empire; inequality; social conflict.


**Maria Montoya,** Dean of Arts and Sciences, NYU Shanghai; Associate Professor, History. Ph.D. 1993, M.A. 1991, B.A. 1986, Yale. American West; labor history; gender; Latina/o history.

Joint Degree Doctor of Philosophy in Hebrew and Judaic Studies and History

A joint degree Ph.D. program is available with the Skirball Department of Hebrew and Judaic Studies. Admission to this joint degree program must be granted by both the Department of History and the Department of Hebrew and Judaic Studies upon entry or at the point of screening. For more information on and requirements for this degree, please see the Department of Hebrew and Judaic Studies section of this Bulletin.

Joint Degree Doctor of Philosophy in History and Middle Eastern Studies

A joint degree Ph.D. program is available with the Department of Middle Eastern and Islamic Studies. Admission to this joint degree program must be granted by both the Department of History and the Department of Middle Eastern and Islamic Studies upon entry or at the point of screening. For more information on and requirements for this degree, please see the Department of Middle Eastern and Islamic Studies section of this Bulletin.

Dual Degree Doctor of Philosophy in History and Juris Doctor

This program allows accepted applicants to obtain a Ph.D. in history and a J.D. from the School of Law. Students must apply separately and be admitted to both programs, and they would normally apply concurrently. Students must complete all requirements for both degrees. By alternating enrollment in Graduate School of Arts and Science and the School of Law and by counting some courses toward both degrees, students are able to complete the two programs in seven or seven and a half years. Graduates of the dual degree program would be prepared to pursue careers in both history and law school faculties. NYU has a long tradition of excellence in legal history scholarship. Students can participate in the Legal History Colloquium, which convenes weekly and houses the Samuel I. Golieb Fellowship Program for postdoctoral studies in legal history. Dissertation projects can be advised by committees composed of historians based both at NYU Law School and in the Department of History. The Ph.D. requires 72 points of coursework, toward which 12 School of Law points will be accepted. Up to 12 points of Graduate School credit will also be counted toward the J.D. degree, which normally requires 83 points. The joint degree, therefore, requires a total of 131 points. Information on the requirements for the J.D. may be found in the School of Law bulletin.
COURSES

M.A. Proseminar
HIST-GA 2022 4 points. 2017-18
Introduction to the theoretical and methodological components involved in the research process. Considers historiographical issues; develops an understanding of the archival and library environments, focusing on searching strategies and the use of automated techniques; and emphasizes framing research questions. Students complete a research paper with appropriate documentation and bibliography in their area of interest.

Approaches to Historical Research and Writing I, II
HIST-GA 3603, 3213 4 points per term. 2017-18
These courses are designed to introduce students to some of the basic methodological and interpretive issues involved in historical research. Based around a core set of readings, the course covers important books and articles that explicitly deal with questions of method, as well as examples of certain methodologies or schools of historiography in action. The goal of these courses is to help the student produce a research paper that is of potentially publishable quality and to reveal that the student is capable of doing graduate level research and writing.

Africa

Literature of the Field: Africa
HIST-GA 1562 4 points. 2017-18, 2018-19
This course introduces students to the major themes, scholarly approaches, and sources for African history.

Research in African History
HIST-GA 1784 4 points. 2017-18, 2018-19
This course is designed to facilitate student research by focusing on repositories and methods both generally and in ways specific to individual projects.

Islam in West Africa
HIST-GA 2007 4 points. 2017-18
Examines Islam’s multiple developments and expressions across the expanse of West Africa, from the seventh century through the present.

African Diaspora

Literature of the Field: African Diaspora
HIST-GA 1801 4 points. 2017-18
A colloquium on the formation and development of the African diaspora, uncritically defined as the dispersal of people of African descent throughout the world, by way of examining the most recent and influential literature on the topic. Care is given to consider works addressing the Mediterranean Sea and Indian Ocean, as well as the Americas.

Jacques Revel, Global Distinguished Professor, History and Institute of French Studies.

Susanah Shaw Romney, Assistant Professor, History. Ph.D. Cornell; B.A. California (Santa Cruz).
17th century Atlantic world history, women and gender, indigenous peoples, early modern Dutch empire.

US social and cultural history, with emphasis on intersection of race and sport.

Modern South Asian history; modern intellectual history; social theory.

Soviet Union, Russian Empire, material culture, violence, war, gender, empire, comparative history, WWI, WWII

Eighteenth-century Europe; political and cultural history; French Revolution; history of international relations.

Nikhil Pal Singh, Associate Professor, History and Social & Cultural Analysis; Director of the Graduate Program in American Studies. Ph.D. 1995 (American studies), Yale.
Twentieth-century US history; social and political theory; race and ethnicity; African American history.

Kostis Smyrnis, Associate Professor, History and Hellenic Studies. Ph.D. 2002, DEA 1996 (history of the Byzantine world and post-Byzantine), Paris I (Sorbonne); M.A. 1995 (Byzantine studies), Birmingham (UK); B.A. 1992 (law), Athens.
Byzantine empire, 9th to 15th centuries; economic history; emperor and subjects; state finances; law and land ownership; diplomatics.
Race, Slavery and Freedom in the Atlantic World
HIST-GA 2015 4 points. 2017-18, 2018-19

African-American History
HIST-GA 1782 4 points. 2017-18
Broad exposure to African American history. Begins with a historiographical introduction, describing the growth and development of the field, and moves to a major theme and period treatment ranging from ancient Africa to the civil rights movement. Provides an understanding of the field and a foundation for specialized course work and research.

Atlantic World

Literature of the Field: Atlantic World
HIST-GA 2001 4 points. 2017-18
Introduces students to the major themes, scholarly approaches, and sources for Atlantic history.

Political Cultures of Empire
HIST-GA 2861 4 points. 2017-18, 2018-19
Provides the opportunity for closely advised research and writing on student-designed projects related to the history of empires. The course builds on readings and discussion in the reading course Empires, States, and Political Imagination (HIST-GA 3390). While the reading course is not a prerequisite for this research seminar, students should have some demonstrated knowledge of the history of at least one imperial setting and be in a position to formulate a research topic at the beginning of the semester. By the end of the semester, each student will have produced a major research paper based on primary sources in the format of an article to be published in an academic journal.

Empires, States and Political Imagination
HIST-GA 3390 4 points. 2017-18
Focuses on the comparative study of empires from the Romans to the present and on the variety of ways in which empire-states have established and constrained claims to rights, belonging, and power. The study of empire expands our debates over rights, citizenship, economic regulation, and accountability without letting them fall into a seeming gap between the nation-state and the global.

Atlantic History Workshop
HIST-GA 3803 4 points. 2017-18, 2018-19
This yearlong course overlaps with the Atlantic History Workshop colloquium, which meets regularly in the Department of History throughout the academic year. At the colloquium, participants discuss pre-circulated works-in-progress presented by visiting scholars or members of the colloquium. Students enrolled in this course attend every meeting of the colloquium and undertake additional activities assigned by the instructor.


Jack Kuo Wei Tchen, Associate Professor, Gallatin School of Individualized Study; Associate Professor, History and Social & Cultural Analysis; Director, Asian/Pacific/ American Studies Program. Ph.D. 1992, M.A. 1987, New York; B.A. 1973, Wisconsin (Madison). Interethnic and interracial relations of Asians and Americans.

Sinclair Thomson, Associate Professor, History. Ph.D. 1996, (Latin American history), Wisconsin (Madison). Colonial Latin America; Andean region; peasant and Indian politics; historical consciousness.

Thomas M. Truxes, Clinical Associate Professor, Irish Studies and History. Ph.D. 1985, Trinity College (Dublin); M.A. 1975, Trinity College (Hartford); M.B.A. 1968 (international trade), Syracuse; B.S. 1963 (business), Boston College. Early modern Ireland; Atlantic World; Maritime history; colonial New York City.

Alejandro Velasco, Associate Professor, History and Gallatin School of Individualized Study. Ph.D. 2009, Duke. Social movements, urban culture, democratization, and modern Latin America.

Joanna Waley-Cohen, Provost, NYU Shanghai; Silver Professor, History; Professor. Ph.D. 1987 (Chinese history), M.Phil. 1984, Yale; M.A. 1977, B.A. 1974, Cambridge (Chinese studies). Early modern China; imperial Chinese political culture and social history.

Barbara Weinstein, Silver Professor, History; Professor. Ph.D. 1980, M.A./M.Phil. 1976, Yale; B.A. 1973, Princeton. Modern Latin America; Brazil; labor history; slavery and emancipation; race and gender; regionalism and nationalism.
East Asia

Problems in the History of Early Modern China
HIST-GA 1919  4 points. 2017-18
This reading-intensive colloquium on early modern China is intended for those who are already familiar with the outlines of early modern Chinese history. Participants will both engage in greater depth some of the major paradigms in Chinese history c1550-1900 and will gain a broad knowledge of recent historiographical debates.

The Japanese Colonial Empire
HIST-GA 1996  4 points. 2017-18
The course examines the history of the Japanese colonial empire within the larger context of Euro-American empire-building and the development of international capitalism.

Agrarian Question in Modern History
HIST-GA 2707  4 points, 2017-18
This course explores the emergence of what has been called the “Agrarian Question” in the eighteenth, nineteenth and twentieth centuries, as that question was related to the emergence of industrialization/urbanization, the question of value, problems of domestic and global revolution, and the issues of modernization and development in Europe and the non-Western world. We will trace the evolution of the question from its Physiocratic core, through its articulation in Smith, Ricardo, Marx, Kautsky, Lenin, the Soviet Union, Peru, China, and into the later twentieth century as part of the ‘peasant problem’ in China, Africa and India. The aim of the class is to familiarize students with some of the basic philosophical and historical texts surrounding problems of development and culture as they pertain to the agrarian question, and to assist students in analyzing contemporary problems through a longer historical perspective.

Medieval Europe

Literature of the Field: Middle Ages
HIST-GA 2113  4 points. 2017-18
This course provides an introduction to the literature of medieval history for the period c.1050-1400, as that literature has evolved over the last century, with a focus on changes in the methodology of medieval historiography, the approach to primary texts and the shifting interests that have characterized medieval scholarship in the modern context.

Europe

Literature of the Field: Early Modern Europe
HIST-GA 1150  4 points. 2017-18, 2018-19
Surveys major literature and historiographical issues in the early modern field.

Larry Wolff, Professor, History; Director, Center for European and Mediterranean Studies. Ph.D. 1984, M.A. 1980, Stanford; B.A. 1979, Harvard. Eastern Europe; Poland; Habsburg Monarchy; the Enlightenment.

ASSOCIATED FACULTY IN OTHER DEPARTMENTS
Thomas Abercrombie, Anthropology; Robert Chazan, Hebrew and Judaic Studies; Angie Dillard, Gallatin School of Individualized Study; Niall Ferguson, Stern School of Business; Adnan Husain, Middle Eastern Studies; Barbara Kowalzig, Classics; Zachary Lockman, Middle Eastern and Islamic Studies; Kimberly Phillips-Fein, Gallatin School of Individualized Study; Andrew Romig, Gallatin School of Individualized Study; Jonathan Soffer, Tandon School of Engineering.

AFFILIATED FACULTY IN OTHER DEPARTMENTS
Craig Calhoun, Sociology; Robert Cohen, Steinhardt School of Culture, Education, and Human Development; Virginia Cox, Italian; Mark Galeotti, School of Continuing and Professional Studies; Alexander Geppert, NYU Shanghai; Ellen Lagemann, Steinhardt School of Culture, Education, and Human Development; Andrew Hamilton Lee, Division of Libraries; Barron H. Lerner, Medicine, Division of General Internal Medicine; Cecelia Marquez, Social & Cultural Analysis; William Nelson, School of Law; Ron Robin, Steinhardt School of Culture, Education, and Human Development; David Stasavage, Politics.

FACULTY EMERITI
Paul R. Baker, Professor Emeritus; Patricia Bonomi, Professor Emerita; Harry Hartoonian, Professor Emeritus; Richard Hull, Professor Emeritus; Penelope Johnson, Professor Emerita; Karen Kupperman, Professor Emerita, Silver Professor; David Levering-Lewis, Professor Emeritus; Darline Levy, Professor Emerita; Paul Mattingly, Professor Emeritus; Carl Prince, Professor Emeritus; David E. Reimers, Professor Emeritus; Frederick C. Schult; Robert J. Scally, Professor Emeritus; Jerrold Seigel, Professor
Literature of the Field: Modern Europe
HIST-GA 1151  4 points. 2017-18, 2018-19
Survey of the major literature and historiographical issues in the modern European field.

European Intellectual History
HIST-GA 1193  4 points. 2017-18, 2018-19
Interplays the specific cultural-historical context of interwar Europe (in particular France in the late Third Republic and Weimar Germany, but also to a lesser extent Austria, Italy, and early Soviet Russia) with trends of philosophical, literary, and political writing of the period. Certain themes or figures guide the choice of texts, e.g., authority, subjectivity, violence, sovereignty.

19th Century France
HIST-GA 1209  4 points. 2017-18
Explores the transformation of France from the Old Regime monarchy of the late eighteenth century to the early Third Republic of the 1870s. We will focus first on the French Revolution, its origins, dynamics and consequences. We will then study the political, social, and cultural conflicts that help explain why the French went through three more revolutions—in 1830, 1848, and 1871—before establishing a stable form of republican government. We will also devote time to social and cultural history, and especially to recent literature on working-class formation, gender relations, and the peasantry.

History of Modern Ireland
HIST-GA 1416  2017-18
Analyzes events and conditions leading to the Act of Union: Tudor conquest and colonization; Gaelic pushback; Ireland under the Stuarts; the Williamite War and formation of the Protestant Ascendancy; emergence of Irish nationalism; Ireland and the Enlightenment; 18th-century political, economic and societal transformations; Ireland in the age of revolutions.

Italian Colonialism and Postcolonialism
HIST-GA 2972  4 points. 2017-18
Explores Italian colonialism from the late 19th century through the end of empire. Through readings of travel literature, films, and historical works, we address the meaning of colonialism within Italian history and culture, colonial racial policies and gender identities, and the legacies of colonialism in Italy and in its former colonies.

The Mediterranean in Historical Perspective
HIST-GA 3901  4 points. 2017-18
This course will focus on war and civil war in the twentieth-century Mediterranean. We will compare and contrast the experiences of Spain, Greece and Italy, as well as of other countries of Southern Europe, and analyze how the legacy of civil war has contributed to shaping contemporary national identities. This course will address major methodological questions concerning how we understand war and civil war in the fields of history and social sciences. We will also discuss the peculiarity, if any, of civil wars in the Mediterranean, in relation to the wider historical context of twentieth-century Europe.
Latin America and the Caribbean

Literature of the Field: Colonial Latin America
HIST-GA 1200  4 points. 2017-18, 2018-19
Surveys major literature and historiographical issues in the colonial Latin American field.

Literature of the Field: Modern Latin America
HIST-GA 1201  4 points. 2017-18, 2018-19
Surveys major literature and historiographical issues in the modern Latin American field.

United States

Literature of the Field: US to 1877
HIST-GA 1600  4 points. 2017-18, 2018-19
A reading course covering the earlier period of American history that introduces students to the major themes, interpretations, and methods of inquiry. It is intended to provide a broad command of the field.

Race, Civil War, and Reconstruction
HIST-GA 1607  4 points. 2017-18
This is a course about the social, cultural, intellectual, and political history of the United States in the long nineteenth century, illuminated through the lens of the war that punctuated and transformed that century. With race at the center of our inquiries, we will proceed both chronologically and thematically, reading and evaluating some of the newest and most influential scholarship in an effort to formulate our own arguments, both individual and collective, about the era.

Literature of the Field: US Since 1877
HIST-GA 1610  4 points. 2017-18, 2018-19
A reading course covering the later period of American history that introduces students to the major themes, interpretations, and methods of inquiry. It is intended to provide a broad command of the field.

Transnational Approaches to US History
HIST-GA 1739  4 points. 2017-18
This course will explore recent developments in historiography that seek ways of understanding a national history—U.S. History in this case—in a framework larger than the nation. There are different transnational framings, different in type and scale, but Diasporas and Borderlands, Atlantic World, and Global are at present the most vigorous, and the focus will be mainly on them.

Black New York
HIST-GA 2551  4 points. 2017-18
This course will explore the under-engaged topic of blacks in New York from its Dutch origins to the present. The process of racial formation and the mechanisms of racial domination in the early stages of the settlement were central to the northern colonial experience and to the founding of the United States.
World History/Transnational Approaches

World History in South Asia
HIST-GA 1001 4 points. 2017-18
This graduate seminar meets the “literature of the field” requirement for the NYU PhD program in South Asian history but is open to all qualified graduate students in any discipline. Its specific purpose is to explore research issues of pressing concern for young scholars who are in the process of developing critical perspectives on prevailing thematic, temporal, and spatial framings of historical studies.

Environmental History
HIST-GA 1050 4 points. 2017-18
Analyzes monographs in the field, drawn from all geographical areas, dealing with major theoretical issues.

Methods and Approaches to World History
HIST-GA 2168 4 points. 2017-18, 2018-19
This course provides an introduction to world history as a research field. Readings and discussions focus on various conceptual approaches to world history, including comparative history, the study of the global political economy, and the history of empires.

Cold War as Global Conflict
HIST-GA 2771 4 points. 2017-18
This colloquium views the Cold War as global conflict and focuses on Western and Eastern Europe and the Third World as well as on the United States and the Soviet Union.

History of Women and Gender

Approaches to History of Women and Gender
HIST-GA 1763 4 points. 2017-18, 2018-19
An introduction to the study of women and gender in history with a focus on the relevant historiographical trends, methodological developments, and approaches to research.

Gender, Race, Ethnicity and Twentieth-Century U.S. History
HIST-GA 1762 4 points. 2017-18, 2018-19
This course explores major themes and eras in twentieth-century U.S. history through the lenses of gender, race, and ethnicity. It considers how class has informed these categories (and analysis of these categories) as well. We will therefore consider immigration, reform, the Great Depression, World War II, the Cold War, imperialism, postwar social movements, and reproductive politics.
Writing Gender Histories  
HIST-GA 2294  4 points. 2017-18, 2018-19  
The focus of this course is the research and writing of gender history. Not only will we discuss the overlap and tensions between the fields of women's history and gender history. We will also consider histories of sexuality and the body. Along these lines, we shall explore the methodological issues that arise in researching the history of gender, bodies, and/or sexuality.

ARCHIVES AND PUBLIC HISTORY  
Introduction to Archives  
HIST-GA 1010  4 points. 2017-18, 2018-19  
Introduction to the theoretical and methodological issues involving archives, historical documentation, and historical resources. Focuses on the history of records and record keeping, development of archival theory, appraisal, arrangement and description, reference, legal and ethical issues, and current trends in the profession.

Digital Archives  
HIST-GA 1011  4 points, 2017-18, 2018-19  
Addresses the role of archivists across the life-cycle of digital archives and articulates challenges, best practices, and standards associated with the appraisal, acquisition, storage, and provision of access to digital archives. Students design basic workflows for the accession and ingest of digital archives and identify risks and threats to the successful preservation of digital archives in various file formats. The course also enumerates important considerations in institutional policies and plans related to collection development, intellectual property rights, preservation, and overall sustainability.

Introduction to Public History  
HIST-GA 1750  4 points. 2017-18, 2018-19  
This course provides an introductory overview to the public history field in its diverse venues and manifestations. Through intensive reading, discussion, and writing, students consider how the field of public history came into being and how it has evolved; where and how history is made and consumed; and the intersections and collisions of academic history with commemoration and popular history-making.

Local and Community History  
HIST-GA 1752  4 points. 2017-18  
Explores the literature and practices of local history and of community history with a focus on New York City. Students examine the changing nature of “local” and of “community” given evolving historical interpretations of ethnicity, race, gender, and sexuality and relate the scholarly literature to the practice of public history by evaluating the interpretation at various historical sites.
Approaches to Public History
HIST-GA 1757  4 points. 2017-18, 2018-19
Uses readings, media analysis, visits by working public historians, and project work to help students explore intellectual, political, and pragmatic issues in public history. A semester-long project requires students to work collaboratively to conceptualize a public history project and write a complete funding proposal for it.

Internship Seminar
HIST-GA 2011  4 points. 2017-18, 2018-19
This course is designed to accompany a 120-hour internship work experience at a selected archival repository or public history site, arranged through the program director. Students will have opportunities to report on and discuss their internship experiences with each other and the instructor. The course will also address various aspects of the professional practice of public history and archives, including organizational structures, leadership, professional societies, and funding sources, with presentations by professionals in the field.

Introduction to Preservation and Reformatting
HIST-GA 2013  4 points. 2017-18
Overview of principles and practices of archival preservation. Examines the physical composition of archival materials in all formats, the causal agents that contribute to archival deterioration, the application of appropriate preservation practices and conservation methods, and various reformatting and rehousing techniques, including digital migration and conversion.

Institutional Archives
HIST-GA 2016  4 points. 2018-19
Familiarizes students with concepts, practices, and issues related to the management of institutional archives (archives focused on documenting the particular institution of which the archives and the archivist are, typically, a part) in a range of settings. The course emphasizes broad management issues such as advocacy, collaboration, strategic planning, appraisal, and access. In doing so, the course considers the diverse institutional cultures, corporate needs, and legal and ethical frameworks that an institutional archivist must work within or, when possible, shape.

Advanced Archival Description
HIST-GA 2031  4 points. 2017-18, 2018-19
Provides an understanding of archival descriptive standards and practices. Focuses on the development and use of bibliographic standards to create and exchange data concerning archival records. Particular emphases include the MARC format; the development, implementation, and evaluation of Encoded Archival Description and Encoded Archival Context; content management systems; digital encoding standards; and digital library development.
Creating Digital History
HIST-GA 2033 4 points. 2017-18, 2018-19
Focuses on the evolving methodologies and tools used by public historians to collect, preserve, and present digital sources. Students will become familiar with a range of web-based tools, such as Omeka, and learn best practices for digitizing, adding metadata, tagging, and clearing permissions. By evaluating existing digital history projects and discussing perspectives from leading practitioners, students will also consider the role of the general public as both audiences for, and co-creators of, digital history. The core requirement is a collaborative digital history archive and exhibit that will be developed throughout the semester on a selected historical theme.

Research Seminar
HIST-GA 2034 4 points. 2017-18, 2018-19
Capstone seminar in which students create final projects in the program with a substantial research and writing component. Projects may take the form of historical theses, exhibition designs, historical editing projects, Web-based resources, or historic site interpretations. Class meetings allow students to focus on and discuss research issues.
PROGRAMS AND REQUIREMENTS

Master of Arts

Degree Requirements: To qualify for the Master of Arts degree, students must fulfill the following within five years after their first matriculation: (1) Complete a minimum of 32 points of course work with at least 24 in residence in the Graduate School of Arts and Science, of which 16 must be in CEH courses. (2) Maintain a 3.0 grade point average. (3) Satisfactorily complete a final master’s thesis in consultation with a faculty adviser and with the program’s approval.

COURSES

Art Worlds

International Studies in Human Rights
DRAP-GA 1048  Lucas. 4 points. 2017-18, 2018-19
Focusing on human rights as positive peace, students will study the major themes and events in the contemporary human rights movement. Students will be exposed to the international standards, how NGOs respond to violations, the role of media, and the transformative potential of human rights education.

Digital Humanities: Collections & Connections
DRAP-GA 1089  Keramidas. 4 points. 2018-19
Two of the most important aspects of digital media are their capacity to allow for the organization of and creation of connections between data. Collecting and connecting technologies have enabled the development of complex information management and network creation systems, which are the foundations of everyday experience in the digital age.

Digital Humanities: Analysis and Visualization
DRAP-GA 1137  Keramidas. 4 points. 2017-18, 2018-19
The Information Age has provided us with both a flood of measurable data and a variety of new tools to analyze and present that data. This course will consider how the analysis and visualization of information through digital technologies has significantly changed the way we look at our world both within the academic community and in society at large.

The Curatorial
DRAP-GA 3012  Cole. 4 points. 2017-18
This course aims to develop and sharpen your ability to write and speak critically about the theory, history, and practice of curating. The class includes a variety of
assignments—ranging from catalogue essays to art criticism—intended to involve you in shaping the direction of the course. You are strongly encouraged to seek out additional exhibitions and related events in the area throughout the semester.

Making Room for Youth: American Hardcore Punk, a most recent example of art movements throughout history
DRAP-GA 3013 Keramidas and Adjuncts. 4 points. 2017-18
Creativity in the face of annihilation, art in the absence of attention, activism to oppose apathy… culture from the point of invention. Sensing a commercialization and trivialization of the music they loved, the originators of Hardcore Punk in the United States created a subversive art form that rebelled against and provided a commentary on both the music scene and the culture at large in the early 1980s.

What is an Interdisciplinary Methodology?
DRAP-GA 3015 Cole and Keramidas. 4 points. 2017-18, 2018-19
“What is an interdisciplinary methodology?” This course will not seek to answer this question but persistently repose the question over the course of a semester. Rather than being taught a series of established approaches and schema, students will explore how to understand the parameters of traditional disciplinary methodologies, how to deconstruct their functions and histories, and how to rethink their application and even develop their own methodological approaches to their work.

Data Rules: How quantification shapes science, selves, and states
DRAP-GA 3016 Adjunct. 4 points. 2017-18
This course traces the historical precursors in the construction of knowledge and thought that are part of the contemporary emphasis on quantification, discrete numerical measurement, and predictive automated systems. The course examines the scientific revolution both as an historical event and a philosophical shift in the way truth claims are constructed and substantiated.

Underworlds: Subterranean Media & Theory
DRAP-GA 3017 Adjunct. 4 points. 2017-18
Caves, labyrinths, mines, sewers, tunnels, catacombs, burrows, lost worlds: in the popular imaginary, the spaces beneath the surface of the planet have served as literal and metaphorical sites of concealment, subversion, repression, extraction, decay, and fantasy. This course explores these physical and figurative notions of the underground in multiple domains of both media (novels, films, television, and music; science fiction, horror, documentary, and avantgarde) and theory (new materialisms, media archaeology, media ecology, infrastructure studies, “history from below,” psychoanalysis, and conspiracy theories).

Decolonization is Not a Metaphor
DRAP-GA 3018 Adjunct. 4 points. 2017-18
This class will seek to interrogate current efforts at art-making and activism through decolonization as a process and framework for a shared horizon of liberation. The class will look at Occupy Wall Street, Black Lives Matter, No DAPL, Gulf Labor Coalition and Global Ultra Luxury Faction, as well as Direct Action Front for Palestine as case studies and examples.
Capstone Project Seminar
DRAP-GA 3020  Cole. 4 points. 2017-18, 2018-19
This course is for all students in their last semester in the program who are prepared to finish their capstone project. The semester blends bi-weekly class meetings, one-on-one consultations with the professor, in-class presentations, readings from various texts, regular structured writing assignments, collaborative peer support, and project presentations.
PROGRAM IN

International Relations

PROGRAMS AND REQUIREMENTS

Master of Arts

Admission: Admission to the M.A. Program in International Relations is granted for the fall and spring semesters. Admission is limited to students whose academic records and letters of recommendation indicate exceptional promise of success in the advanced study of international affairs. This means an outstanding undergraduate record or other related evidence. The general test of the Graduate Record Examination (GRE) is required of all students, including all international students applying from countries in which the GRE is offered. All international students who are not native English speakers are also required to submit scores from the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS).

Course of Study: Students are required to complete 40 points for the M.A. in International Relations. Students must take International Relations, INTRL-GA 1700, and Global and International History, INTRL-GA 1600. They must also choose one of the following elective core courses: Quantitative Analysis I, INTRL-GA 1120, Qualitative Analysis I, INTRL-GA 1220, Regional and Comparative Politics, INTRL-GA 1450, The World Economy, INTRL-GA 1900. Students must also take either Master’s Thesis Seminar INTRL-GA 4000, or Capstone Project INTRL-GA 1320. Finally students must also select one of the following: Field Study Seminar, INTRL-GA 3995 or INTRL-GA 9995, or Readings and Research, INTRL-GA 3991, or any other 2 point course at NYU, subject to approval by the Program Director. Of the remaining coursework, students must take a minimum of 12 points in International Relations electives defined as any course listed under International Relations course code, INTRL-GA. Students cannot double-count core or required courses as elective courses, but may take additional core courses to fulfill the elective course requirements. The remaining points are general electives which can be a graduate level course from any NYU department or school, subject to approval from the Program Director.

Thesis Option: Students, who opt to take the MA Thesis Seminar, INTRL-GA 4000, will enroll in the course during their last semester. The course is designed to provide structure and guidance to students writing a thesis. The thesis will be an academic work of ~15,000 words dealing with an important and timely topic in international relations.

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DIRECTOR OF THE PROGRAM:
Clinical Professor Michael John Williams

DEPUTY DIRECTOR OF PROGRAM:
Clinical Associate Professor Asli Peker

FACULTY

John Fousek, Clinical Associate Professor.
Ph.D. 1994 (history), M.A. 1990 (history),
Cornell; B.A. 1981 (history-sociology)
Columbia.
Global and international history, the United States as a global power, the intersection of culture and international relations.

Asli Peker, Clinical Associate Professor.
Ph.D. 2007 (politics), New York; M.A. 1998
(political science), Bilkent; B.S. 1997
(political science), B.A. 1997 (political science),
Middle East Technical (Turkey).
Comparative politics; international relations.

Shinasi Rama, Clinical Professor. Ph.D.
2004 (comparative politics/international relations),
Columbia; M.A. 1996 (international relations),
South Carolina.
International relations theory; comparative politics theory; the state; nationalism; security; Balkan politics.

Michael John Williams, Clinical Professor.
Ph.D. 2006 (international relations), London
School of Economics & Political Science;
M.A. 2003 (contemporary European history),
Humboldt; B.A. 2002 (international relations),
Delaware.
Security studies, war studies, law of armed combat, civil-military relations, US-European relations, NATO, European Union, modern Germany.
Capstone Option: Students, who opt to take the Capstone Project, INTRL-GA 1320, will enroll in the course in their second to last semester. The Capstone Project is structured to provide a public policy consultancy experience for final-year students. Working with a faculty mentor (instructor) students will work in assigned groups to complete a consultancy project for an external client. The group will produce a series of documents and papers for the client, which will be assessed by the instructor.

Field Study Requirement: To further their professional development all MAIR students are required to complete a ‘field study’ course. This academic field of study follows a rigorous scholarly educational program to prepare students for additional graduate work, law degree studies and/or entry into a professional work environment in the public or private sector. The internship must total at least 120 hours. Students can opt out of the Field Study requirement if they are pursuing a scholarly track with the intention of completing a Ph.D. after earning the MA. In this case, students complete the ‘Readings and Research’ course, INTRL-GA 3991, in their second to last term, and then the Master’s Thesis Seminar, INTRL-GA 4000, in their final term. The R&R course work should be designed with their M.A. thesis supervisor to provide for a more advanced and rigorous M.A. thesis.

Language requirement: Students must demonstrate proficiency in one language other than English. Students demonstrate proficiency in a foreign language by completing one of the following: (1) Passing the GSAS foreign language proficiency examination; (2) completing an intermediate-level foreign language course with a grade of B or better at NYU or another accredited institution (student must submit official transcript as proof of completion); or (3) completing secondary education or undergraduate degree in an institution where language of instruction is not English.

The M.A. in International Relations may also be complemented with one of the six concentrations listed below:

Concentration in Asian Studies: Students must complete the same core and required course sequences as the standard M.A. program described above. In addition students must take 12 points in Asian Studies electives and 12 points in International Relations electives. The program will provide a listing of approved Asian Studies elective course offerings each term. Other NYU courses may be approved as electives with the permission of the program director. Courses taken outside the IR program may require permission of the instructor. Students must also attain the level of “advanced” in an Asian language (speaking, oral comprehension, reading, and writing), to be demonstrated by passing an examination; completing a third-year language course with a grade of B+ or higher; or completion of primary and/or secondary school with language of instruction in an Asian language.

Concentration in European and Mediterranean Studies: Students must complete the same core and required course sequences as the standard M.A. program described above. In addition students must take What is Europe?, EURO-GA
2301, as well as 8 points in European and Mediterranean Studies electives and 12 points in International Relations electives. Students must also attain the level of “advanced” in a contemporary European language (speaking, oral comprehension, reading, and writing), to be demonstrated by either passing an examination or completing a third-year language course with a grade of B+ or higher.

Concentration in International Law: Students must complete the same core and required course sequences as the standard M.A. program described above. In addition students must take 12 points in International Law electives and 12 points in International Relation electives. All other requirements are the same. The following existing international law courses will be accepted as the concentration’s international law electives.

- European Union Law (LAW-LW.10851.001)
- Chinese Attitudes Toward International Law Seminar (LAW-LW.10070.001)
- Indigenous Peoples in International Law (LAW-LW.10902.001)
- International Human Rights and Humanitarian Law Scholarship Seminar (LAW-LW.10492.001)
- International Human Rights (LAW-LW.11329.001)
- International Humanitarian Law (LAW-LW.12259.001)
- The United Nations and the Making of International Law Seminar (LAW-LW.10043.001)
- War, Crime and Terror Seminar (LAW-LW.11756.001)
- European Human Rights Law (LAW-LW.11601.001)
- Foreign Relations Law of the United States Seminar (LAW-LW.10235.001)
- History and Theory of International Law Seminar (LAW-LW.10997.001)
- International Organizations (LAW-LW.10256.001)
- Law and Development (Colloquium only; LAW-LW.10295.001)

Other NYU courses may be approved as electives with the permission of the program director.

Concentration in International Politics and International Business: Students must complete the core and required courses for the M.A. program described above. However, among the elective courses the students must acquire at least twelve points from a designated group in other disciplines in the Leonard N. Stern School of Business and only 8 points in International Relations electives, leaving 4 points worth of general electives. All other requirements are the same.

Concentration in Middle Eastern and Levantine Studies: Students must complete the same core and required course sequences as the standard M.A. program described above. In addition students must take Middle East Politics, INTRL-GA 1756, as well as 8 points in Middle Eastern and Levantine Studies electives and 12 points in International Relation electives. The program will provide a listing of approved Middle East and Levantine Studies elective course offerings each term. Other NYU courses may be approved as electives with the permission of the program director. Courses taken outside the IR program may require permission of the instructor. Students must also attain the level of “advanced” in a language of North Africa or Middle East (Arabic, Persian, Turkish, Greek, Hebrew, and
Armenian). Language skills (speaking, oral comprehension, reading, and writing) are demonstrated by passing an examination; completing a third-year language course with a grade of B+ or higher; or completion of primary and/or secondary school with language of instruction in a language of the Levant.

**Concentration in Russian and Slavic Studies:** Students must complete the same core course sequence as the standard M.A. program described above. In addition students must take Defining Russia, RUSSN-GA 2121, as well as 8 points in Russian and Slavic Studies electives and 12 points in International Relations electives. Students must also attain the level of “advanced” in all Russian language skills (speaking, oral comprehension, reading, and writing), to be demonstrated by either passing an examination or completing a third-year Russian language course (NYU’s RUSSN-UA 108 Advanced Russian II equivalent) with a grade of B+ or higher.

**Joint Degree Master of Arts in International Relations and Journalism**

The M.A. in International Relations and Journalism, offered in cooperation with the Arthur L. Carter Journalism Institute, provides education and training at the master’s level for students to develop both journalistic skills and expertise in analyzing international politics and political phenomena. Courses from both programs are combined to provide the student with specialized knowledge of international relations and journalistic writing and/or broadcasting skills. Please see the Journalism section of this bulletin for the requirements for this degree.

**COURSES**

**Quantitative Analysis I**
INTRL-GA 1120  4 points. 2017-18, 2018-19
This course introduces students to basic data analysis, using cross-sectional data sets that are of particular interest in international studies. Emphasis is placed on multivariate regression techniques, and the learning of such techniques through direct experience.

**Qualitative Analysis I**
INTRL-GA 1220  Peker. 4 points. 2017-18, 2018-19
This course is designed to introduce graduate students in International Relations and Politics to a wide array of methodological approaches and available tools for qualitative research. The course starts with an overview of broader debates around philosophy of science and the possible demarcation between history and social science. It then moves on to discuss the epistemological foundations underlying the qualitative/quantitative divide in social sciences and whether methodological eclecticism is possible and desirable. After assessing the role of theory and concept formation in qualitative research, the focus then shifts to more specific questions around research design and methods. We discuss the merits and problems of single case studies and small-N comparative research designs, as well as historical, interpretive and critical approaches. In the last third of the course, we explore some
of the specific tools of collecting and analyzing qualitative evidence. Though not an exhaustive list, we cover interviews and ethnographic fieldwork, discourse and content analysis and program evaluation. The course runs as a seminar with active student participation and assignments to encourage hands-on learning, and ends with student presentations on their respective research proposals.

**Regional and Comparative Politics**  
INTRL-GA 1450  *Peker. 4 points. 2017-18, 2018-19*  
This is an introductory level graduate course at the crossroads of international relations, comparative politics and area studies. Its aim is to introduce students of international relations to the tools and concepts commonly used in the latter two fields and to promote interdisciplinary cross-pollination.

**Global & International History**  
INTRL-GA 1600  *Fousek. 4 points. 2017-18, 2018-19*  
This course will introduce students to historical analysis of global interactions during the early modern, modern, and contemporary periods. Understanding of today’s international arena requires a well-grounded, conceptually rich understanding of history. The course seeks, in part, to provide historical perspectives on ‘globalization’ and other contemporary global, international and transnational developments. It will focus especially on the history of international order and structures of global power. Topics examined include: war and other forms of political violence; the formation and interaction of empires; imperial expansion and decline; the evolution of the modern state and states systems (including the European states system and its global spread); the proliferation of “nation-states” during the 20th century; the development of international law; and the emergence of international organizations, transnational civil society organizations (aka “NGOs”), and multinational corporations. World historical patterns of long-distance trade, economic change, human migrations, and cross-cultural exchange will also be examined. The course does not aim to present a comprehensive world history but introduces themes and analytical approaches that are foundational to more advanced study of international interactions.

**International Relations**  
INTRL-GA 1700  *4 points. 2017-18, 2018-19*  
This course offers a graduate-level introduction to theories of international politics and to some of the important aspects of international politics. The class explores a variety of debates and findings in the subfield of international relations. Coverage does not include every issue and approach, but it addresses the core problems and perspectives animating mainstream IR in the United States today. Students can expect to develop a sufficient understanding of the subfield to prepare for further study and specialization, while advancing their knowledge of the substantive issues under consideration.

**Topics in International Relations**  
INTRL-GA 1731  *4 points. 2017-18, 2018-19*  
Topics vary from semester to semester.
Topics in International Relations  
INTRL-GA 1732  2 points. 2017-18, 2018-19  
Topics vary from semester to semester.

Human Rights Law  
INTRL-GA 1738  4 points. 2017-2018  
The purpose of this course is to introduce students of international relations to human rights. Clearly, it is not possible to cover every conceivable area of human rights. Rather, I will give you a survey of the law and then we will dig a little deeper in connection with a few, very politically salient, legal issues, for instance, freedom from want as an aspect of human security, women’s rights, and children’s rights. I intend to appeal to your compassion. But, by the end of the course, I hope you will also grasp why it is on our best interests both to observe human rights law and to promote it as the universal standard of international behavior.

International Humanitarian Law  
INTRL-GA 1739  4 points. 2018-2019  
The purpose of this course is to introduce students of international relations to humanitarian law (a branch of the law of war). The course will give you a survey of the law and then it will dig a little deeper in connection with a few, very politically salient, legal issues, for instance, terrorism, torture, detention of POWs and mass rape during war. The course intends to appeal to your compassion. But, by the end of the course, you will also grasp why it is in our best interests both to observe humanitarian law and to promote it as the universal standard of international behavior.

Humanitarian Intervention  
INTRL-GA 1740  4 points. 2017-18, 2018-19  
Humanitarian intervention in internal conflicts builds on a growing consensus for the international community to address genocide, ethnic cleansing, war crimes and crimes against humanity. There was humanitarian intervention already in the 19th century, undertaken by European states to protect Christians, mostly against the Ottoman Empire. However, it is only after the end of the Cold War that there have been serious challenges to existing legal and political notions of state sovereignty and war. Since then, intervention has come to be better known as the Responsibility to Protect (R2P), an emerging norm of war with a just cause. This class will take a case study approach to address the political, legal and ethical aspects of R2P. It will discuss crucial questions, when and how is it just to intervene? what are the outcomes of intervention or the lack of it? The goal is to portray problems and responsibilities of an array of state and non-state actors using the interesting and difficult humanitarian emergencies of Haiti, Somalia, Bosnia and Herzegovina, Kosovo, East Timor, Rwanda, Darfur and more recently Libya and Syria. While cases will enable students to experience interventions (or lack of intervention), through the behavior of actual participants, a survey of the main norm-setting documents will serve to establish a genealogy of R2P, as well as the political and intellectual arguments that lay out its justification and limits.
Arab-Israeli Conflict
INTRL-GA 1742  4 points  2018-19
The Arab-Israeli conflict has been at the center of regional and international attention for some eight decades, defying repeated attempts at resolution, both military and diplomatic. The course provides an in-depth survey of the historical evolution of the conflict and substance of the various peace negotiations to date, including the reasons for their failure, as a basis for understanding the parties’ positions and the central issues dividing them today. This survey then serves as the basis for the primary focus of the course, the potential means of resolving the conflict. Most of the course will be devoted to the Israeli-Palestinian issue, part to Israel and Syria and Lebanon. The issues will be presented in the national security and domestic political contexts of each of the different players.

National Security in the Middle East
INTRL-GA 1743  4 points.  2017-18
The course surveys the national security challenges facing the region’s primary players today (Egypt, Saudi Arabia, Iran, Iraq, Syria, Lebanon, Jordan, Israel, the Palestinians and Turkey) and how the convolutions of recent years have affected them. Unlike many Middle East courses, which focus on US policy in the region, the course concentrates on the regional players’ perceptions of the threats and opportunities they face and on the strategies they have adopted to deal with them. As a contemporary policy oriented course, students will assume the role of senior decision makers from the different countries and draft “policy papers” to their heads of state, elucidating the various issues and recommending means of resolving them. In addition to learning the complexities of the issues, students will also deal with the challenging process of drafting real-world policy papers and recommendations. The course is designed for those with a general interest in the Middle East, especially those interested in national security issues, students of comparative politics and future practitioners.

Global Finance
INTRL-GA 1744  4 points.  2017-18, 2018-19
This course looks at international finance and its crucial connections with international business practices and with the policy challenges of economic globalization and interdependence. The course examines the roles that governments and international institutions play in the global financial integration process both in terms of regulation and supervision. We shall also look at the impact on global financial markets by a plurality of participants—central banks and treasuries; financial intermediaries and foreign exchange dealers, both bank and non-bank; individuals and firms engaged in commercial and investment activities; and speculators and arbitrageurs. The emphasis will be on the identification of key ideas, theories, techniques, and strategies underlying the behavior of all players.

US National Security
INTRL-GA 1745  4 points.  2017-18, 2018-19
This course examines conceptual and theoretical foundations, organizational structures and functions, decision making processes, and priority issues in US national security. The process of policy making is examined to include: the role
and authorities of the President, National Security Council, and the Executive Branch; congressional oversight; and policy development and implementation. The course also examines the tools, uses, and limits of national power. Strategic and conventional defense capabilities and policy are examined, as are the roles and missions of intelligence. High priority national security challenges such as terrorism, proliferation, and cyber security are also addressed. The course is conducted as an interactive graduate seminar.

**Political Opinion Writing**
INTRL-GA 1747 4 points. 2018-19

Whether you end up in government, an NGO, a policy think tank or some other job related to politics and international affairs, it is probable that you will write an opinion piece in the media at some point on your area of expertise. This course is for those of you in the MA Program who want to develop political opinion research and writing skills. Initially, we will focus on political opinion writing in different media, taking a critical view of the content and writing style of published writers (including myself). We will briefly consider academic literature about writing techniques as well the ability of the media to produce unbiased opinion and even influence policy. There will then be lectures on different topics in politics and discussion on related political science readings. You will produce opinion pieces in reaction to these lectures and readings, using academic literature, media, policy reports and other sources to help shape your argument. The goal will be for you to create well-researched, structured and highly original political opinion pieces that go beyond the obvious. Past students have published pieces on varied topics including ethnic tensions in France, the plight of the Italian Roma minority, the legacy of Rwanda's genocide, Bahrain's sectarian violence and Afghan women's rights in the Huffington Post, Democrat and Chronicle, Sharnoff's Global Views, World Policy Journal, European Magazine, Global Politics Magazine and Worldpress.org

**US Foreign Policy**
INTRL-GA 1748 4 points. 2018-19

Foreign Policy is the way in which a state—the primary unit for organizing world politics—interacts with the world around it. Foreign policy encompasses the establishment of alliances, the pursuit of trade objectives, the creation of military doctrine, international negotiations and the waging of war. Foreign Policy is about relations between states, but it is influenced by the domestic politics and culture of the state. This course focuses on the foreign policy of the United States of America. There are a number of ways to study foreign policy— theoretical, practical, historical, and ideological are but a few of the most popular methods. This course utilizes a synthesis of differing approaches. The course offers a strong grounding in the history of USFP from the founding of the Republic to the present day, with a particular focus on 'ideas' about America's role in the world. The course also examines a number of thematic issues confronting the US in the world today, before moving on to look at some specific contemporary challenges facing US policy-makers.
Political Economy of Institutions
INTRL-GA 1749  2018-19
This course is designed to introduce graduate students to the newly emerging field of the political economy of institutions. The focus will be on institutions, their origins, evolution, purpose, and tendencies to change or stabilize. Institutions are fundamentally important for determining how both exogenous and endogenous challenges affect policy changes at both the domestic and international levels. They thus hold the key to our understanding of the conditions shaping the choices of individuals, groups, and societies and the variations in their political capacities and interests. Institutions can be formal or informal, implicit or explicit in all economic and political models. The scope of our study will go beyond the effect of institutions and the implications of different forms of institutions to explain why and how institutions are structured in certain ways and why some institutions survive and others don't.

Natural Resource Conflicts
INTRL-GA 1750  4 points. 2017-18
This course is designed to introduce graduate students to the core concepts, processes, theories, and issues of natural resource conflicts. The focus throughout this course will be on divergent theoretical approaches to natural resource conflicts at three levels of analysis: domestic, international, and global. Our objective is to gain an understanding of the nature of resource-based conflicts and to acquire the necessary tools and knowledge to tackle the challenges facing humanity in the 21st century. The course is organized around the division of natural resources into three different categories: 1) non-renewable resources (such as oil, strategic minerals and gems); 2) renewable (such as water, forest, and fisheries); 3) and global common pool resources (the air, the oceans, forests, and fisheries). We will consider the various ways each category presents its own challenges and engenders different types of conflicts at the state, international, and global level.

The US in the World
INTRL-GA 1751  4 points. 2017-18, 2018-19
This course examines the history of US foreign relations in global context, primarily from the 1890s to the present. It aims to provide historical understanding of the US position in today's global arena, including debates around the nature of and challenges to US international 'leadership' or 'hegemony.' Themes include: the long-term ascendancy of the US as a global power; domestic sources of US power; the development of state apparatus and other institutions concerned with foreign policy and national security; the role of individual leaders; the uses of American power, including the role of military force, cultural influence and the shaping of international institutions; interventionism, war, and peacemaking; and the political and economic consequences of US foreign policy for the United States and other regions. The Cold War and its legacy receive substantial attention. The "global war on terror," from 2001 to the present, will be discussed in broader historical perspective.
Terrorism & Counterterrorism
INTRL-GA 1752  4 points. 2017-18, 2018-19
This course examines the origins and evolution of modern terrorism, challenges posed by terrorist groups to states and to the international system, and strategies employed to confront and combat terrorism. We assess a wide variety of terrorist organizations, and explore the psychological, socioeconomic, political, and religious causes of terrorist violence past and present. We also analyze the strengths and weaknesses of various counterterrorism strategies, from the point of view of efficacy as well as ethics, and look into ways in which the new threat of global terrorism might impact the healthy functioning of democratic states. The course is divided into two parts. Part I focuses on the terrorist threat, including the nature, roots, objectives, tactics, and organization of terrorism and terrorist groups. Part II addresses the issue of counterterrorism, including recent American efforts to combat terrorism, the strengths and weaknesses of counterterrorist tools and instruments, the issue of civil liberties and democratic values in confronting terrorism, and international strategies and tactics.

UN Peacekeeping and Peacebuilding
INTRL-GA 1754  4 points. 2017-18, 2018-19
This course examines United Nations “complex” peacekeeping and peacebuilding operations since the end of the Cold War. It starts with an introduction to fundamentals: theories on the nature of conflict and types of peace operations. The course then explores a survey of the major UN missions, focusing on the international legal basis for intervention by external actors, states interest, capacity, mandate, strategies, and obstacles faced. It covers a number of cross-cutting issues including the politics of peacekeeping and peacebuilding, the relationship between peacebuilding and statebuilding, normative debates on justice and ethics, the debates and controversies on the promotion of democracy and market economics as a basis for peace, the challenges of evaluating outcomes, targeting the needs of recipient communities, as well as subcontracting peace, indigenous peacebuilding, and cooperation and coordination with multiple actors (notably non-governmental organizations, regional organizations, donor governments, and multinational coalitions). Overall, the course is designed to help students think analytically and systematically about peacekeeping and peacebuilding, along with providing them with a strong foundation of the enduring theoretical and policy debates and recent developments in field-based knowledge.

International Security
INTRL-GA 1755  4 points. 2017-18
This class introduces M.A. students to key concepts and approaches in the security studies subfield. The course has three main purposes: (1) to familiarize students with key debates in the security studies subfield; (2) to help students evaluate dilemmas of current security environment (3) to help students understand and critically analyze the complexity and factors for today’s policy challenges for formulation and implementation. The class is designed to answer the following questions: What are security challenges of today the future? What are the root causes of war and beliefs for intervention? What are alternatives to war? How can
wars be prevented or at least limited? What can third parties do to help manage or limit wars? In answering these questions, the class will examine a number of important issues including complex military and diplomatic interventions and issues relating to regional conflict, insurgency, counterinsurgency, terrorism, piracy and other militant challenges. The class will be run as a seminar. Doing the reading is not enough; students must be prepared to discuss it. There will usually be discussion questions distributed in class; if not, students should at minimum be prepared to summarize the key points of the readings.

Middle East Politics
INTRL-GA 1756 4 points. 2018-19
This course is a graduate level introduction to politics in the contemporary Middle East. It does not require substantial background in Middle Eastern studies, but basic familiarity with contemporary history and politics of the region is assumed. The course's primary concern is to contextualize the study of the Middle East in a historical and comparative framework. The course starts with a brief overview of modern history of the region and a discussion of what the political construct “Middle East” entails, how it came about and why we should be studying it. From there on, we move to weekly topical readings and discussions. Among the topics examined are: Great Powers’ interests and encroachments into the region, the modernizing reforms and the processes of state formation; post-independence developments including coups, revolutions and wars; the evolution of political Islam and nationalism as rival ideologies; the peculiarities of the Islamic state; the persistent Arab-Israeli conflict and other hot conflicts in the region; politics of gender, oil and the rentier state; civil society and contentious politics; dynamics of authoritarianism and democratization; the political potential and impact of new media; and more recent developments in the aftermath of the Arab Spring. Readings and examples are drawn from a selected subset of Middle Eastern countries, no one country is studied individually in depth, but rather used in a comparative framework to underline historical patterns, similarities and differences. The course is designed as a seminar. Students are expected to do a number of presentations and participate substantially in the class discussions.

Middle East and US Foreign Policy
INTRL-GA 1757 4 points. 2017-18
This course examines the history, national interests, policy objectives, and outcomes of US engagement in the Middle East from World War I to the present. The course examines the international environment, regional issues, and the policies and tools used to protect and advance US national interests. Episodes of US intervention are examined, as are current issues and challenges for US foreign policy in the region. This course is suitable for students seeking to broaden their understanding of US foreign policy in the context of the contemporary history, regional dynamics, and international relations of the Middle East. Students will strengthen their research, analytic, writing, and briefing skills through class discussions, writing high quality papers, and preparing and presenting a briefing. The course is conducted as an interactive graduate seminar.
Asia-Pacific International Relations
INTRL-GA 1759  4 points. 2017-18, 2018-19
The history of the 21st Century will be written in Asia. This graduate level overview will examine the relations between China, Japan, Korea, and the South East Asian countries, as well as between those countries and the United States, Russia, Australia, and India. Our discussions will follow economic and political developments from the Cold War competition between superpowers through the post-Cold War economic expansion. We will consider the challenges across the Taiwan Straits and on the Korean Peninsula as well as America’s involvement in the conflict of Vietnam, the independence of Singapore and the development of the Association of South East Asia Nations. A central topic will be whether escalating U.S.-China tensions are inevitable and the effectiveness of smart power and traditional diplomacy in the region. We will consider existing security alliances and the underlying causes and potential resolution of the maritime territorial disputes in the East China Sea and South China Sea. Our studies will bring students up to date with a close look at issues arising from Xi’s management of the rise of China, Obama’s pivot to Asia, and Trump’s policies in the region.

Conflict Resolution
INTRL-GA 1760  4 points. 2017-18, 2018-19
This course provides students with a working knowledge and experience of conflict resolution. We explore the history, methodology, theories, and practice in conflict resolution, as the field evolves in the post-9/11 strategic environment. Basic concepts in the literature are analyzed along with a comparison of strategic alternatives in the areas of relationship, power balance, communication, perception of value differences, and tactics. Case studies analyze conflicts in Europe, Asia, and the Middle East. Other modules address the role of non-governmental organizations (NGOs) as well as religion in conflict resolution, the resolution of ecological conflicts as well as the relevance of crisis mapping to conflict analysis and uses of mobile technology in conflict environments. For insight into the literature, the main core text, Contemporary Conflict Resolution, may be consulted.

Political Economy of International Trade
INTRL-GA 1761  4 points. 2017-18, 2018-19
The main objective of this course is to examine the impact of political and economic factors on international trade policy. This course addresses leading theories and major policy debates in political economy of international trade. In particular, this course examines key models in the economics of international trade, the rationale behind trade liberalization and protection, the distributional consequences of trade, the role of interest groups, domestic and international institutions in trade policy making. In addition, the course aims to equip graduate students with analytical tools to pursue empirical research on a pertinent issue. The course is divided into several sections. Students will begin by surveying main theoretical frameworks in international trade, including the new trade theory. Next, students will scrutinize the political economy theories to explain trade protection and trade liberalization. We they proceed with the analysis of international trade regimes and their effect on trade policy reforms in both developing and developed countries.
Students will also analyze the relationship between international trade, democratic transition and economic development. The course will conclude with the discussion of contemporary debates in political economy of international trade.

**Transitional Justice**  
INTRL-GA 1762  4 points. 2017-18, 2018-19  
This course explores the increasing entanglement of transitional justice with international institutions and the actors within them. Transitional Justice is the conception of justice associated with periods of fundamental political change within individual polities, and therefore has been understood as centered on domestic institutions of political transformation, whether truth commissions or constitutional revision processes. But international institutions have increasingly shaped or constrained the instruments and processes of transitional justice. In this course we will examine, in particular the United Nations, the criminal tribunals including the international criminal court, regional human rights systems, as well as the OSCE and the European Union. We will also explore the role of international non-governmental organizations, both independently and in relation to intergovernmental international institutions.

**Foundations for Diplomacy**  
INTRL-GA 1763  4 points. 2017-18, 2018-19  
Diplomacy has been called ‘the engine of international relations’. A foreign policy can succeed or fail depending on the quality of a nation’s diplomacy. Yet, non-diplomats—and yes, even students of international relations—often misunderstand the role of diplomacy. This course early clarifies and operates on the distinction between foreign policy and diplomacy. It delves into the history of diplomacy briefly, and then considers the accretion of diplomatic law. It explores traditional (bilateral political, consular, and headquarters), as well as non-traditional (multi-lateral, public, S&T, summit, ‘networked’, etc.) diplomacy. The seminar touches on non-Western approaches to diplomacy and small country or ‘niche’ diplomacy. One focus of the segment on diplomatic negotiation and mediation considers the role of culture in negotiations. Later sessions of the course address thinkers and theories of diplomacy. In fact, student groups will present on several of these to the class. The course concludes by discussing key issues in diplomacy, including personal/professional ethics such as dissent, and career diplomacy.

**Intelligence and National Security**  
INTRL-GA 1764  4 points. 2018-19  
This course examines the conceptual, historical, legal, and policy foundations of national intelligence and the organizational structures and functions of the US Intelligence Community. Executive Branch management of intelligence, congressional oversight, intelligence collection and analysis, counterintelligence, and covert action are also addressed as are current issues including intelligence failures and reform. This course should be of interest to students seeking to improve their understanding of the role of intelligence in national and international security and of particular interest to students considering careers in these fields. The course is conducted as an interactive graduate seminar.
Practicing Diplomacy
INTRL-GA 1765  4 points. 2018-19
Diplomacy is advancing foreign policy goals through interactions with foreign
governments. Since World War II the traditional practice has widened to include
interactions with multilateral organizations and increasingly with non-state
actors, whether NGOs, national liberation movements, religious organizations or
development groups. This course will examine how U.S. strategic policy goals are
translated into diplomatic action, focusing on the practical challenges of bilateral
and multilateral advocacy and negotiation. The class will consider post-Cold War
cases, including: how consensus was built domestically and internationally in
support of NATO enlargement; reaction to recent crises in Georgia and Ukraine;
African conflict resolution (including working with and through NGOs, corporations
and other non-state actors); conventional and nuclear arms control; the
post-9/11 use of diplomats in war zones; and how changing U.S. cultural values
have influenced U.S. diplomacy on issues such as human rights, population
control, and trafficking. Primacy will be given to how diplomats actually work,
including how new technology has affected practice in the field.

Armed Forces and Society I
INTRL-GA 1767  4 points. 2018-19
As the military history John Keegan recounts in his book War and Our World,
“war made the state and the state makes war”. Given the centrality of controlled
violence to the creation of the state there is no escaping the role that the armed
forces play in the life of the state. One of the defining points on statehood is a
monopoly on the use of force within a state, a monopoly of course that rests on
the military. But the role of the armed forces is not uniform amongst the global
society of states. Modern state ranging from democratic ones such as the United
States and Germany to autocratic ones such as Egypt or Pakistan all seek to find a
proper balance between the civilian political leadership and the armed forces. This
course is comparative in nature, aiming to compare and contrast the civil-military
experience in the developed and developing worlds. The course were examine cases
where civilian control of the military is firmly established as well as societies where
an equilibrium between the armed forces and society has yet to be reached. The
course will also exam several themes necessary for understanding these case studies
including, but not limited to, theories of civil-military relations, coups d’état, mili-
tary role, political transitions. The course will also utilize sociology to examine the
role that culture, values and norms plays in establishing a relationships between the
armed forces and society. Key questions the course aims to address are: Can newly
emerging democratic leadership in the developing world consolidate power or will
the cycle of democratic failure and military intervention be repeated? How can the
armed forces undermine the democratic leadership of a developed state? How to
states conceptualize the idea of the soldier and the soldier as public servant? Does
veneration of the military within a society lead to an over militarization of society
and a degradation of democracy? What models of civilian control work best?
Strategic Planning and Policy
INTRL-GA 1768 4 points. 2017-18, 2018-19
In today’s rapidly changing and chaotic world, the need for effective strategic planning is greater than ever. Strategic planning is based on analytical processes and methodologies that are fundamentally different from those taught in academic programs and graduates lack the practical “real world” skills sought by employers, who are hesitant to hire them. The initial period of employment thus becomes a difficult process of on-the-job training. The course will teach the methodologies and skills required for real world policy planning, increasing students’ prospects of employment and making them useful employees from the start. The course is highly practical, a nearly real-world policy planning workshop. In the role of senior decision-makers from countries of their choice, students will draft policy papers and formulate recommendations from the perspective of the actual leaders in power. The need to consider matters in this light, from the real world leaders’ perspective, not what students believe to be right, often has a transformational impact on students’ thinking. The heart of the course is class discussion, in which students engage in a directed critique of each other’s draft policy papers, much as is done in senior planning forums, as part of a collaborative effort to help improve the final paper.

Transnational Advocacy
INTRL-GA 1772 4 points. 2018-19
One of the most significant developments in international politics over the past several decades has been the growth of transnational advocacy campaigns. In a progressively more interdependent world, governments have become more sensitive to the effects of international publicity, because their ability to maintain access to increasingly critical vehicles of international cooperation is contingent upon preserving their reputations as members of the international community in good standing. This has sharpened the potential of communicative processes to alter state behavior by mobilizing shame against states which refuse to comply with international norms, or whose actions digress from their rhetoric. Over the past several decades, global actors have capitalized upon this sensitivity to live-stream documentation of state actions in remote corners of the earth to audiences around the globe. As a result, they have been able to “verbally coerce” states to alter their behavior in areas previously deemed sacrosanct, such as security (witness the NGO-drafted ban on landmines) and even state sovereignty itself (the human rights regime). This graduate course will analyze the specific strategies that transnational activists have utilized to achieve global policy change, and how these processes are today transforming global norms and international politics. Students will critically assess the current environment; study global advocacy campaigns implemented by international organizations, advocacy networks, and governments; and learn how to design and execute their own transnational advocacy campaigns.

The UN System
INTRL-GA 1776 4 points. 2017-18, 2018-19
This course is designed to introduce participants to the history and structure of the UN, its place within the international system of states and non-state actors,
its current challenges in the face of failed states and civil wars, climate change, terrorism, continuing high levels of poverty and inequality, challenges to human rights, and calls for radical reform of the whole UN system. The course will discuss current problems of global governance in the context of the UN, suggestions for a world government and the relation of the UN to other multi-lateral institutions. This seminar will focus on the history, administration, and especially the politics and some international legal dimensions of the UN system in its three main areas of activity: international peace and security; human rights and humanitarian action; and sustainable development. Because of the high impact not only on the UN budget but also on the international political implications, a strong emphasis will be placed on the political processes that define international peace and security. Consideration will be given also to NGO’s and regional organizations that interact with the UN in the processes of "global governance", as well as to the impact of U.S. foreign policy on multilateralism. Finally, attention will be devoted to the role of ideas within international institutions, and their impact on change and the reform of the system.

**Writing for International Affairs**
INTRL-GA 1777  4 points.  2017-18, 2018-19
This course is an intensive writing workshop. We will write, revise, peer review each other's work, and produce polished academic writing. It is appropriate for English language learners as well as native English speakers who want to strengthen their writing skills. Every class will begin with a discussion of an assigned reading. Critical reading skills—and close reading of the text—will enhance your understanding of each article/topic and lead to development of written work. In-class writing exercises will give me the opportunity to offer quick feedback on your work and suggestions for developing papers. A workshop-style classroom environment will give everyone a chance to read the writing of other students, to peer review papers, and to learn strategies for revising and improving written work. There will generally be a ten or 15 minute break between discussions and writing or peer review sessions.

Important note: This is not a basic writing course. We will be looking at “higher-order concerns” like development of a thesis, organization, coherence of the essay and correct incorporation and use of sources. As time allows we will work on “lower-order concerns” such as verb choices, parallel structure, sentence construction, etc. The clarity of your writing is obviously key to your success as a student, and if there are any issues that may impede understanding I will offer guidance and resources to help you improve in this area.

**Immigration and Transnationalism**
INTRL-GA 1778  4 points.  2017-18, 2018-19
This course explores some of the many challenges and opportunities associated with the movement of people across national borders. Global migration flows have reached unprecedented levels. About a quarter of a billion people—or 3.3 percent of global population—currently live outside their country of birth. These flows, of course, are not without controversy. In the United States, we are debating how to manage a large undocumented population from Mexico and an increase
in undocumented children coming from Central America. Meanwhile, debates rage in Europe about Islam and assimilation while thousands of refugees die in the Mediterranean Sea fleeing conflict and repression in countries like Somalia, Eritrea, Afghanistan, and Syria. Many communities in developing countries, on the other hand, depend on and are changed by the massive sums of money that migrants send home. What drives trends like these, and what are their political, economic, and social implications? Why do people emigrate, how are people smuggled and trafficked, and to what extent can states control immigration and manage xenophobia? How do immigration policies affect families, children, and communities? What is the relationship between emigration and human development in developing countries? This course explores these and other questions about human mobility in the 21st century.

**Nation Building**

INTRL-GA 1779 4 points. 2018-19

Nation-building is the process through which different groups, routinely under intense exogenous pressures, seek to forge a new common identity centered on the pre-existing territorial state. For this reason, particularly in the United States, nation-building is considered dependent and conceptually interchangeable with the state-building, i.e. the construction of a sustainable, viable and effective set of legitimate institutions that make binding authoritative decisions within the state. In this course, while we recognize the distinctiveness of the nation and the state, we also begin by considering them as the two inseparable sides of the modern nation-state.

The core objective of this course is expose students to theories and practices of nationbuilding and statebuilding from a broad comparative political and historical perspective. We will briefly examine the trajectories of nation building and statebuilding in Western Europe and then focus on nation-building and statebuilding in the contemporary post-conflict states. The course is designed to achieve the following objectives. First it aims at providing an understanding of the most important frameworks to understand the nation and the state. Second, it seeks to familiarize students with the contemporary literature on nationbuilding and statebuilding. Third, we seek to attain a better understanding of the nationbuilding and statebuilding efforts in a selected number of cases such as Iraq, Afghanistan, the Balkans, but also other lesser known cases in Asia and Africa. Fourth, we seek to assess the role the international organizations and other state play in the nation and state-building efforts. This becomes exceedingly important as the model that is advocated, supported and imposed is centered on the establishment of a democratic regime and the formation of a majority that will have, at best, a fluid identity based on material interests and not on the ethnic, religious, racial, or linguistic identity.

**State Failure & State Building in Comparative Perspective**

INTRL-GA 1780 4 points. 2017-18

How do we define the modern state? How did modern states evolve in the Western world? Is the path to statehood different in the non-Western context? How do we measure state capacity? Why are some states stronger and others weaker? And
what brings about state failure? Can states be built by institutional engineering? What are the institutional and structural requisites for the formation of effective, viable, strong states? This course will explore these and other important questions pertaining to state failure and state building. After a discussion of the existing literature on states, we will focus on the peculiarities of non-Western states and study comparative cases of state failure and state building.

**International Economic Development I**  
INTRL-GA 1800  Yetim. 4 points. 2018-19  
This course is designed to introduce graduate students to the core concepts, processes, theories, and issues international development. The focus will be on divergent theoretical approaches to international development and their empirical applications while studying different regions' experiences of development. The field is characterized by contentious debates and we will explore these debates from multiple perspectives. Our objective is to gain an understanding of the problems of development and explore why some nations fail and others succeed, why some nations experience sustained economic growth while others grow and then stagnate by applying recently developed frameworks, i.e., Acemoglu and Robinson, North, Wallis, and Weingast, or Bates, to case studies from Africa, the Middle East, Asia, and Latin America.

**The World Economy**  
INTRL-GA 1900  Yetim. 4 points. 2017-18, 2018-19  
This course is designed to introduce graduate students to the core concepts, issues, and theories of the world economy. The focus will be on how changes in the world economy affect politics within and among states. Throughout the course we will be taking a political economy view: that economic policy is the outcome of bargaining between interest groups in the political arena. As such politics and economics are never far apart—the economics identifies the potential gainers and losers; the politics determines who wins the contest. Our objective is to gain a thorough understanding of the politics of international trade, international monetary relations, international finance, and globalization.

**Reading and Research**  
INTRL-GA 3991  1-4 points. 2017-18, 2018-19  
Prerequisite: written petition stating the need for the course and including a preliminary bibliography, approved by the professor supervising the course and by the director of graduate studies. No more than 12 points of reading and research may be taken during a student’s graduate program, of which no more than 8 points may be taken during work on the master’s degree. Tutorial for students whose individual needs are not met by formal courses. A substantial research paper or final examination is required.
Field Study Seminar
INTRL-GA 3995  Prerequisite: approved internship position consistent with student's academic and/or career trajectory. 2 points. 2017-18, 2018-19
This course is designed to help students successfully make the transition to their professional careers upon graduation from the New York University's Program in International Relations.

Master's Thesis Seminar
INTRL-GA 4000  Prerequisites: completion of all course work, or on track to complete all course work, during the semester in which enrolled in course; approved master's thesis proposal. 2 points. 2017-18, 2018-19
PROGRAM IN

Irish and Irish-American Studies

PROGRAMS AND REQUIREMENTS

Master of Arts

Applicants to the M.A. in Irish and Irish-American studies should have a B.A. degree with a minimum 3.0 or equivalent GPA. Applicants may hold a degree in any field of the humanities or the social sciences, but should demonstrate in their personal statement the relevance of prior study to their desire and competence to do an Irish studies M.A. In addition to a personal statement and applications, the following documentation is required: a writing sample of 15 to 20 pages, three letters of reference, and one official copy of a transcript from each university previously attended.

The M.A. in Irish and Irish-American studies has been structured to offer students both a comprehensive grounding in the Irish studies field and the opportunity for in-depth course work and research in the new forms of inter- and transdisciplinary scholarship characteristic of the best recent work in the field. Courses are offered in history, literature, music, language, and cultural studies. The curriculum is structured in three tiers: core courses (8 credits), field specialization courses (8 credits), and electives (16 credits).

Core Courses: All students enrolled in the M.A. are required to take two courses in their first year, the Irish Studies Seminar I, IRSH-GA 1001 (fall), and the Irish Studies Seminar II: An Teanga Bheo—The Irish Language, IRSH-GA 1002 (spring). The Irish Studies Seminar I is the core course of the M.A. It is designed to engage participants with the ideas and debates that animate all the component disciplines of Irish studies and to prepare students for the topics-oriented classes that form the bulk of the M.A. curriculum. The Irish Studies Seminar II is required of all students entering the M.A. program without prior Irish language study. The Irish language forms an integral part of Irish political and cultural history as well as contemporary intellectual life, yet very few universities offer course work in it. This seminar is designed to give students an accelerated introduction to conversational Irish and to the grammar, structure, and history of the language. The course will allow students better to comprehend the influence of Irish language place names, folklore, and Gaelic customs in modern Ireland. Students who demonstrate prior study of the language may be exempted from this requirement with permission of the director of the M.A.

Field Specialization: The M.A. offers a second tier of survey courses to assure coverage of major works and trends in the field via two-part surveys of Irish history, History of Modern Ireland I and II, IRSH-GA 1416 and IRSH-GA 1417, and of Irish literature, Literature of Modern Ireland I and II, IRSH-GA 1083 and...
IRISH AND IRISH-AMERICAN STUDIES • GRADUATE SCHOOL OF ARTS & SCIENCE • NEW YORK UNIVERSITY

IRISH-GA 1084. These courses are designed to offer M.A. students the courses necessary to attain a comprehensive grasp of one or more of the primary disciplines within Irish studies and to service students in other graduate programs who wish to make Irish and Irish-American history or Irish literature a component or minor field of their studies.

Electives and Individual Specialization: General elective courses are offered in Irish music, Irish history, Irish-American history, and Irish literature, and special topics courses in Irish literature and in Irish and Irish-American studies; this third tier allows students to complete the eight courses required for the M.A. degree and to develop their own particular areas of specialization. Students enrolled in the M.A. may, with permission of the director of the M.A., enroll in relevant courses offered within other programs and areas of scholarship within the University, including the Departments of English, Music, and History, the American Studies program; the Tisch Performance Studies Department; and the Draper Program.

Thesis or Final Project: All students are required to complete a final project or thesis. This requirement may be met in either of two ways. With permission of their faculty adviser, students have the option of enrolling, in their final semester, in Guided Research, IRSH-GA 1099, in order to prepare an M.A. research thesis. This is recommended for students who wish to go on to pursue a Ph.D. degree. Students not approved to write a thesis must designate, with the approval of their faculty adviser, one research essay submitted on a course within their field of specialization as their final project. This essay must be revised to meet standards of publication in the field and must be approved by one additional faculty member in addition to the student’s faculty adviser.

FACILITIES

Glucksman Ireland House NYU is home to the Irish and Irish-American studies program. Locate on the corner of Washington Mews and Fifth Avenue, the townhouse provides a welcoming environment for most courses in the program.

COURSES

Core Curriculum

The Irish Studies Seminar I
IRISH-GA 1001 Waters. 4 points. 2017-18, 2018-19
Introduction to the inter- and transdisciplinary nature of contemporary Irish studies practice, focusing on issues of historiographic and representational controversy in the interpretation of Irish history and culture.

Pádraig Ó Cearúill, Senior Language Lecturer. M.A. 1999 (communication, culture), New York; H.Dip.Ed. 1979 (education), Trinity College (Dublin); B.A. 1978 (Irish and history), University College Galway.
Irish language, culture, and mythology.

Kelly Sullivan, Faculty Fellow (Irish Studies). Ph.D., 2014 (English), Boston College; M.A., 2005 ( Anglo-Irish Literature), University College Dublin; B.A. 2002 (English), Skidmore.
British and Irish Modernism, Irish Visual Culture, Contemporary Irish Literature.

World history, politics, Sino-Irish relations, the Irish and Chinese diasporas, American immigration and ethnic history, U.S. history in a global context, and the histories of migration, race, and empire in the Pacific world.

Miriam Nyhan, Director of Graduate Studies, Adjunct Assistant Professor of Irish Studies. Ph.D. 2008 (history), European University Institute, Florence; M.Phil. University College Cork; B.A. University College Cork.
Twentieth century immigration, Oral history, modern Irish history, comparative migration history, Irish diaspora, and Irish America.

Thomas M. Truxes, Clinical Associate Professor, (Irish Studies, history). Ph.D. 1985, Trinity College (Dublin); M.A., Trinity College (Hartford); M.B.A., Syracuse; B.S., Boston College.
Early-modern Irish history; Ireland and the Atlantic world before 1800; early-modern maritime history; the overseas trade of British America.

Eighteenth-century British and Irish culture; British romantic literature; modernism; Irish studies.
The Irish Studies Seminar II: An Teanga Bheo: Irish (Gaelic) Language Linguistic Acquisition and Historical/Cultural Context
IRISH-GA 1002  Ó Cearuíll. 4 points. 2017-18, 2018-19
Students achieve basic conversational proficiency in Irish. Examines major historical and cultural subjects surrounding the language such as its decline, attempts at revival, and its contemporary position.

Field Specialization

Literature of Modern Ireland I
IRISH-GA 1083  Waters. 4 points. 2017-18, 2018-19
Survey of the traditions of writing in Ireland from the plantations of the late 16th century to the famine of 1846-1850. Considers the interplay of literature and national identity, and the role of literature and other forms of print culture in a variety of social processes.

Literature of Modern Ireland II
IRISH-GA 1084  Waters. 4 points. 2017-18, 2018-19
Surveys the main currents and individual careers of Irish writers from the mid-19th to the late 20th century, surveying 19th-century fiction, the Irish Renaissance, the literature of the Civil War and Free State periods, and post-War Irish poetry, drama, and fiction.

History of Modern Ireland I: The Making of Modern Ireland, Ireland to c.1800
IRISH-GA 1416  Truxes. 4 points. 2017-18, 2018-19
Analyzes events and conditions leading to the Act of Union: Tudor conquest and colonization; Gaelic pushback; Ireland under the Stuarts; the Williamite War and formation of the Protestant Ascendancy; emergence of Irish nationalism; Ireland and the Enlightenment; 18th-century political, economic and societal transformations; Ireland in the age of revolutions.

History of Modern Ireland II: Irish History Since 1800
IRISH-GA 1417  Lee. 4 points. 2017-18, 2018-19
Examines the impact of the Union and stages of its dissolution on Irish life, role of Ireland in the British empire, nature of civil society in Ireland, the cultural and political dimensions of nationalism and unionism, the role of the Irish diaspora, and Irish experience of urbanization, modernization, and globalization.

Electives

Topics in Irish Literature
IRISH-GA 1085  Waters. 4 points. 2017-18, 2018-19
Emphasis of this course varies by semester and is designed to allow flexibility in course offerings from visiting scholars and specialists in particular fields. Past examinations have included contemporary Irish fiction and poetry, Irish women writers, and Northern Irish poetry.
Music and Cultural Identity in Ireland  
IRISH-GA 1315 Moloney. 4 points. 2017-18, 2018-19  
Surveys the history of music in Ireland and examines critically the role of various musical cultures in the production of national and other forms of identity in Ireland. Develops a critical vocabulary for discussing music as an agent of social change and social continuity, addressing key concepts in musicological analysis.

Irish Music in America 1750 to the Present  
IRISH-GA 1319 Moloney. 4 points. 2017-18, 2018-19  
Survey of musical culture of Irish emigrants to North America from 1750 to the present. Establishes understanding of historical dialogue of musical styles in Ireland and America, opening explanatory paradigms for Irish diasporic experience and for the role of Irish music in North American social, cultural, and political life.

Debates in Modern Irish History  
IRISH-GA 1421 Lee. 4 points. 2017-18, 2018-19  
Analyzes intense historical debates, concentrating on topics that transcend the specific Irish experience to raise issues of wider human import. Studies events’ interpretation from various contested perspectives, thus tied to historiography and history as a mode of thought. Themes include conquest, collaboration, assimilation, and resistance.

Ireland in the Atlantic World, 1600-1800  
IRISH-GA 1425 Truxes. 4 points. 2017-18  
Explores the significance of Irish involvements in the larger Atlantic World (maritime Europe, West Africa, and the Americas) as well as the ways in which Ireland responded to—and was affected by—such encounters.

The Great Famine and the Irish Diaspora  
IRISH-GA 1431 Lee. 4 points. 2017-18  
Explores the causes and consequences of the Great Irish Famine of 1845-1851 and analyses the impact of the consequent emigration on Ireland and the receiving countries. Critiques strengths and weaknesses of comparative methodology in historical studies.

Culture, Empire, and Power: The Irish and Indian Cases in the British Empire  
IRISH-GA 1435 Lee. 4 points. 2017-18  
Examines the relative roles of culture and power in imperialism with particular reference to the Irish and Indian cases in the British Empire.

Topics in Irish and Irish-American Studies  
IRISH-GA 1441 Casey, Truxes. 4 points. 2017-18, 2018-19  
The emphasis of this course varies by semester and is designed to allow flexibility in course offerings by Ireland House faculty and by visiting scholars.
Sociology of Change in Ireland
IRISH-GA 1467  Slater. 4 points. 2017-18, 2018-19
Introduction to sociological theories of modernization, dependency, and class structure as applied to contemporary Irish society. Examines social change and continuity in modern Ireland, especially industrialization and economic development.

Research

Independent Study
IRISH-GA 1097  Prerequisite: permission of director of graduate studies and faculty adviser. 2-4 points.  2017-18, 2018-19
Designed to allow flexibility in course work otherwise unavailable via regular course offerings. Requires research proposal, abstract, and regularly scheduled meetings with faculty supervisor for approval.

Guided Research
IRISH-GA 1099  Prerequisite: completion of 12 points and permission of the director of graduate studies.  4 points. 2017-18, 2018-19
Preparation for M.A. thesis in close supervision with faculty supervisor. Requires research proposal, abstract, and a schedule of meetings to supervisor for approval.
DEPARTMENT OF

Italian Studies

PROGRAMS AND REQUIREMENTS

Master of Arts

The M.A. program in Italian Studies consists of 32 points (at least 24 in residence at New York University) and a master's thesis. The thesis must be undertaken with the guidance of an adviser and with the prior approval of the director of graduate studies. Students are expected to acquire a solid background in critical practice and a broad knowledge of all periods of Italian culture.

Doctor of Philosophy in Italian

Degree Requirements: To qualify for the doctorate, a student must satisfactorily complete graduate studies totaling at least 72 points (at least 32 points in residence at New York University), pass a qualifying examination, and present an acceptable dissertation. Completion of all requirements is expected within seven years and preferably within five for students entering with a B.A. degree or preferably within four years for students entering with an M.A. degree. It is recommended that every student plan to spend at least one semester in Italy for research and/or course work.

Foreign Language Requirements: Students are required to demonstrate proficiency sufficient for research purposes in a language other than English or Italian. The choice of language is subject to approval by the student's academic adviser or the director of graduate studies and depends on the student's interests and area of specialization. Students specializing in the medieval and Renaissance periods are usually advised to demonstrate proficiency in Latin. Students specializing in the modern period are usually advised to choose from among French, German, or Spanish. Other languages must be approved by a departmental committee. Proficiency in Latin may be demonstrated in one of the following ways: (1) passing a regularly scheduled test prepared by the Department of Classics at the level of intermediate Latin or (2) showing an official college transcript with at least one course in Latin literature with texts read in Latin. Proficiency in French, German, or Spanish may be demonstrated by any of the methods described in the Degree Requirements section of this bulletin or by passing with a grade of B or better a graduate course taught in that language.

Course of Study and Qualifying Examinations: All candidates for the doctorate are expected to demonstrate comprehensive knowledge of Italian culture and history as well as mastery of methodological, critical, and theoretical concerns. On completion of all courses, students are required to take a Ph.D. qualifying...
examination. This examination may be repeated once after a period of no less than three months.

**Admission to Candidacy:** When the student has completed at least one year in residence and all course and language requirements, passed the required examinations, proposed an acceptable subject for the dissertation, and been recommended by the department, the student is formally admitted to candidacy for the doctorate, and an advisory committee is appointed. When the dissertation is completed and approved by the adviser and at least two readers, an oral examination is scheduled at which the candidate presents and defends research results to a faculty committee of five.

**Concentration in Medieval and Renaissance Studies:** The concentration in Medieval and Renaissance Studies is interdisciplinary in nature and creates a framework and community for diverse approaches to the study of the Middle Ages and Renaissance. It complements doctoral students’ work in their home departments with interdisciplinary study of the broad range of culture in the medieval and early modern periods, as well as of the theories and methods that attend them. The concentration is designed to train specialists who are firmly based in a traditional discipline but who can work across disciplinary boundaries, making use of varied theoretical approaches and methodological practices. The concentration consists of twenty credits distributed under the following courses: Proseminar in Medieval and Renaissance Studies, MEDI-GA 1100, Late Latin and Early Vernaculars, MEDI-GA 2100 or other approved course, and Medieval and Renaissance Studies Workshop, MEDI-GA 2000, 2 points per semester taken twice in an academic year. Students must also take one approved course in the area of Medieval and Renaissance Media: Visual and Material Cultures, and one approved course in a medieval or early modern topic. At least one course, not counting either the Proseminar or Workshop, must be taken outside a student’s home department. In addition, students pursuing the concentration will present a paper at least once either in the Workshop or in a conference offered by the Medieval and Renaissance Center.

**Certificate in Poetics and Theory:** All students enrolled in Ph.D. and M.A. programs in the Graduate School of Arts and Science are eligible. Students funded through the MacCracken program pay no additional tuition or fees. Students enrolled in a Ph.D. or an M.A. program at New York University should complete the application and return it to the Program in Poetics and Theory (poeticstheory@nyu.edu). A total of 20 points of coursework is required (a maximum of 8 points may be shared with the points required for the M.A. or Ph.D.): Proseminar in Poetics and the Origins of Literary Theory (POET-GA 2001), Poetics and Theory Seminar (POET-GA 2002), and three additional courses, of which one must cover either philosophy or rhetoric or be a theory survey, and two must be listed outside the student’s home department. (Courses cross-listed with the home department are acceptable; however, in such cases students should be sure to register for the course under the number associated with the department in which the course originates). In addition to the five courses, students seeking the advanced certificate must present a paper at least one

**Nicola Cipani.** Clinical Associate Professor, Humboldt Universitaet zu Berlin (Germany). Ph.D. 2014.

Giordano Bruno, Renaissance Philosophy, Art of Memory, Visual/verbal languages (Emblem Literature, Visual Poetry), Machines in Modern Literature, Sound Studies.

**Alison Cornish.** Professor. Ph.D. 1990 (Italian), Stanford University, M.A. 1987 (Medieval Studies), Cornell University, B.A. 1984 (English), California (Berkeley). Italian Literature; Medieval and Renaissance; Dante, translation; vernacularity; science and literature; music and literature; Renaissance drama.

**Virginia Cox.** Professor, Ph.D. 1990 (Italian literature), B.A. 1985 (modern and medieval languages), Cambridge. Sixteenth-century Italian literature; history of rhetoric; early modern women’s writing.

**David Forgacs.** Guido and Mariuccia Zerilli-Marimò Professor of Contemporary Italian Studies. Dottorato di Ricerca 1979 (philosophy), Scuola Normale Superiore Pisa; M Phil 1977 (general and comparative literature); BA (English), Oxford. Modern and contemporary Italian literature; Italian cinema; experimentalist movements; gender and sexuality; biopolitics; psychoanalysis; new materialism.

**Ara H. Merjian.** Associate Professor (Art History). Ph.D. 2006, M.A. 2000 (history of art), California (Berkeley); B.A. 1996 (history of art) Yale. Twentieth-century art history, theory; Nietzschean philosophy; modernist aesthetics; futurism; film; Pasolini.

**Jane Tylus.** Professor. Ph.D. 1985 (comparative literature), Johns Hopkins; B.A. 1978 (English), College of William and Mary. Late medieval and early modern Italian literature, with focus on gender and religion.
workshop or conference held by the Program in Poetics and Theory. The paper may be a chapter of the student’s dissertation.

FACILITIES

Casa Italiana Zerilli-Marimò, where the Department of Italian Studies is located, is equipped with a research library, a graduate students lounge, and a 100 seat theatre. Casa Italiana is an active cultural center, offering a variety of events, from academic lectures to art exhibits to social gatherings.

La Pietra, NYU’s center for study abroad in Florence, is situated on a hillside just north of Florence. A magnificent Renaissance 57-acre estate with five villas, La Pietra houses a notable Early Renaissance art collection, and one of the most beautiful and authentically restored Renaissance gardens in Italy. This extraordinary campus environment features newly renovated on-site classrooms, computer labs, email and internet access, and other facilities. GRI’s are available for three-month stays for Ph.D. students in good standing.

COURSES

General

Studies in Italian Culture
ITAL-GA 1981  Faculty. 4 points. 2017-18, 2018-19
Variable content course. Recent topics: social and cultural studies (Forgacs); Nietzsche in Italy and France (Merjian); diversity and otherness in contemporary Italy (Forgacs); Pasolini and a politics of art (Merjian); film and urban space in Italy (Forgacs); Florentine Culture, 1250-1600 (Cox); Language and Politics in Italy from the Renaissance to Berlusconi (Cox and Ben-Ghiat); War and Cinema (Ben-Ghiat); Old things, New materialisms (Falkoff); Canon-formation in the early Italian Tradition (Cornish); Carlo Emilio Gadda and the Neo-Avant-Garde (Falkoff); Film and Urban Space in Italy (Forgacs); Visual Languages of the Renaissance: Emblems, Dreams, Hieroglyphs (Cipani).

Documentary Italian Style
ITAL-GA 1986  Forgacs. 4 points. 2018-19
The course has three main aims: (1) to familiarize students with a sample of Italian non-fiction films of different types: instructional, industrial, newsreel, propaganda, ethnographic, social, memoir, found footage; (2) to equip them to engage critically with these films through close analysis and reading of key texts on documentary; (3) to help them produce high-level critical writing about Italian documentary, paying particular attention to film style.

Topics in Italian American Culture
ITAL-GA 2165  Faculty. 4 points. 2017-18, 2018-19
Topics range from sociology of immigration to anthropology of ethnic identity, and from Italian American fiction to the contribution of Italian Americans to the visual and performing arts.
Topics in Italian Literature
ITAL-GA 2192 Faculty. 4 points. 2017-18, 2018-19
Variable content course. Recent topics: pastoral and peasants in Italian culture (Tylus); gender and writing in Renaissance Italy (Cox); love and magic, words and images in Orlando Furioso and 16th-century culture (Bolzoni); Dante’s Lyric Poetry (Ardizzone); Dante and his World (Ardizzone).

Obscenity in Literature and Law
ITAL-GA 2885 Falkoff and Vise. 2018-19
This course traces a history of obscenity as legal and aesthetic category. Analyzing juridical material from medieval and modern Italy, we will reflect on the shifting parameters according to which obscenity is understood, censored, and punished.

Guided Individual Reading
ITAL-GA 2891 Faculty. 4 points. 2017-18, 2018-19

PhD Exam Preparation Seminar
ITAL-GA 3020 Forgacs, Ardizzone, Ben-Ghiat. 4 points. 2017-18, 2018-19
This course comprises a series of student-led seminars under the direction of the Director of Graduate Studies, intended to prepare students for their PhD exam.

Research Preparation in Italian Studies
ITAL-GA 3030 Faculty. 4 points. 2017-18, 2018-19
This course is designed to introduce students in the PhD program to independent research in preparation for their concentrated work on the dissertation. It is a required course for students in their last semester of course work.

MEDIEVAL/EARLY MODERN

Renaissance Italy
ITAL-GA 1552 Tylus. 4 points. 2017-18
A class devoted to the ‘heart’ of the Renaissance, the city of Florence, in the 15th and 16th centuries, with virtual excursions to Siena, Venice, and Rome. We will focus on studying the interface between historical and religious movements, on the one hand, and cultural manifestations on the other.

Divina Commedia
ITAL-GA 2311 Ardizzone. 4 points. 2017-18, 2018-19
This course proposes a reading of Dante’s Commedia considered in light of the theological, philosophical and rhetorical learning of Dante’s time.

Dante and Medieval Thought
ITAL-GA 2314 Ardizzone. 4 points. 2018-19
Dante’s minor works and, in particular, Vita Nova, Convivio, and De Vulgari eloquentia, read in light of the philosophical-theological debate of the time. Focus is on intellectual history, medieval theory of knowledge, intelligence, and speculation from the Pseudo-Dyonisius to Albert the Great, Thomas Aquinas, Sigier of Brabant and Bonaventure.
Studies in Medieval Culture
ITAL-GA 2389 Ardizzone. 4 points. 2017-18, 2018-19
Variable content course. Recent topics: bodies, passion, and knowledge; Stilnovisti: poetry and intellectual history; politics, poetics, and imagination in 13th-century poetry: from the Sicilian School to Cino da Pistoia; Dante, the Prose Works as an Intellectual Autobiography.

The Arts of Eloquence in Medieval and Early Modern Italy
ITAL-GA 2588 Cox. 4 points. 2018-19
Recent scholarship in medieval and early modern culture has increasingly stressed the centrality of the study of rhetoric in these periods and the range of its influence, not simply on literature but on everything from art, music, and architecture to political thought. This course serves as an introduction to medieval and early modern rhetoric in Italy, conceived of broadly as a global art of persuasive discourse, spanning both verbal and nonverbal uses.

Studies in Renaissance Literature
ITAL-GA 2589 Cox, Bolzoni, Tylus. 4 points. 2018-19
Variable content course. Recent topics: The Italian Lyric Tradition from Petrarch to Marino (Cox); art and literature, poetry and portrait in Italian Renaissance (Bolzoni); the literature of pilgrimage in early modern Italy (Tylus).

The Courtesan in Early Modern Italian Society and Culture
ITAL-GA 2590 Cox. 4 points. 2018-19
Examines the figure of the so-called cortigiana onesta within 16th- to 17th-century Italian culture, with a particular focus on the role courtesans played within the literary culture of the period, both as authors and as the subject of literary works. Also pays some attention to representations of courtesans within the visual arts and to their role within the musical culture of the time and in the early history of Italian theatre.

Studies in Early Modern Literature
ITAL-GA 2689 Variable content course. Recent topics: Studies in Translation (Tylus). Cox, Tylus. 4 points. 2018-19

Seminar on Dante
ITAL-GA 3142 Ardizzone. 4 points. 2017-18, 2018-19
This course proposes a reading of Dante's Commedia and prose works.

19TH AND 20TH CENTURIES

Neorealism
ITAL-GA 1980 Ben-Ghiat. 4 points. 2017-18, 2018-19
This course examines the Neorealist movement in cinema and literature that swept Italian culture just after World War Two. We will explore the varieties of Neorealist styles and ideologies, Neorealisms, cultural and political context (Reconstruction, the Cold War, the legacies of fascism, war trauma), and its influence in later Italian culture and film.
Italian Colonialism
ITAL-GA 2972  Ben-Ghiat. 4 points. 2018-19
Explores Italian colonialism from the late 19th century through decolonization. Through readings of colonial travel literature, novels, films, diaries, memoirs, and other texts, students address the meaning of colonialism within Italian history and culture, the specificities of the Italian colonial case within broader trends of European imperialism, and the legacies of colonialism in contemporary Italy.

20th-Century Italian Poetry
ITAL-GA 2984  Ardizzone. 4 points. 2017-18, 2018-19
Reading and analysis of major poetic texts of the century until contemporary poetry. Principal authors: D’Annunzio, Pascoli, Luzi, Montale, Saba, Sereni, Ungaretti, Zanzotto. Focus is on movements such as symbolism, hermeticism, and the discourse of the avant-garde.

Studies in 20th-Century Literature
ITAL-GA 2989  Variable content course. Faculty. 4 points. 2017-18, 2018-19
PROGRAMS AND REQUIREMENTS

Master of Arts

The Journalism Institute offers numerous choices for specialization within the master's program. The Journalism Institute considers applicants holding a bachelor’s degree in any field. A journalism background is not required. Applications are accepted for fall admission only. Along with the completed application, the applicant must provide an electronic transcript, a current resume or CV, three letters of recommendation, and three nonfiction writing samples. These samples should be indicative of the applicant’s best overall work and need not have been published. Multimedia clips may also be submitted if applicable towards the area of study. A statement of purpose, which should adhere to the guidelines listed in the journalism application form, is also required. Please be sure to check each concentration/track/program’s Web site for any adjustments to their admission requirements. The Graduate Record Examination (GRE) is required for admission, without exception. No specific subject test is necessary. International applicants must take the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) exam unless English is their native language or they have completed their undergraduate education at an institution where English is the primary language of instruction. The GRE, TOEFL, and IELTS are given periodically throughout the year. Specific test dates can be obtained by calling the Educational Testing Service, 609-921-9000, or by visiting their Web site at ets.org. It is recommended that all applicants take the test at least 10-12 weeks before the application deadline date to insure that test scores arrive by the deadline date. Official test scores must be sent to NYU-GSAS directly from Educational Testing Service (ETS). Request that scores be sent to NYU GSAS, institution code 2596.

Students take 36 to 44 points for the Master of Arts degree, depending on the concentration which has been chosen. Depending on the concentration chosen, up to 20 points of electives may be taken. Possible electives include any courses in the Institute (if prerequisites are met) or any graduate-level course in another department or school at NYU if approved by that department or school and by the Journalism Institute. Internships and Directed Reading are considered electives. Internships cannot be taken for credit until at least 20 points have been completed. Up to 12 points for a 36-point program may be transferred from another institution (if approved by the program director and the dean’s office). All applications for transfer credits must be made within the first year of matriculation. The program requires at minimum three regular semesters of full-time study (fall, spring, fall), although part-time students are accepted. It is not always possible, however, to offer part-time students a complete selection of courses each semester. Some, but not all, courses are available at night.
Students choose one of the following eight concentrations.

**Cultural Reporting and Criticism Concentration:** Students in the Cultural Reporting and Criticism concentration are equipped with a broad background in cultural and social issues, as well as with the reportorial and analytical skills needed to write on the arts, popular culture, the media, human rights, political controversies, and social groups and milieus. The program teaches a wide array of types of writing, including the review, the critical essay, the longform reported piece, and the polemic. Nine courses, for a total of 36 points, are required. Almost all students complete at least one internship. The CRC concentration is deeply collaborative, and stresses close working relationships between professors and students and the creation of a supportive intellectual community. Required courses are: Cultural Conversation, JOUR-GA 1181, Critical Survey, JOUR-GA 1184, Writing, Research and Reporting Workshop I, JOUR-GA 1021, and one of the following: Topics in Cultural Journalism JOUR-GA 1281, The Journalistic Tradition, JOUR-GA 1023, Topics in Literary Journalism, JOUR-GA 1050, or Topics in Cultural Journalism, JOUR-GA 1281. Recommended capstone courses for this concentration are Cataclysm and Commitment, JOUR-GA 2081; The Longform Essay, JOUR-GA 2056; The Critical Profile, JOUR-GA 2057; or Advanced Critical Essay, JOUR-GA 2058 but students may enroll in a different capstone course with permission of the Director of Graduate Studies. In any of these courses, students will complete a deeply-researched work of critical journalism of at least 3,000 words in length.

**Literary Reportage Concentration:** The Literary Reportage concentration requires 38 points over 4 semesters. The Literary Reportage concentration brings together traditional journalism’s emphasis on rigorous reporting and research with the emphasis of the MFA writing workshop model on close professional faculty mentorship. To this we add the methods NYU Journalism has developed in its Portfolio track, in which students learn how to build a coherent body of work. The aim is to publish in professional venues during the course of study and, of course, beyond. Applicants to Literary Reportage must have a detailed project in mind in order to apply. Required courses are: Writing, Research and Reporting Workshop I, JOUR-GA 1021, Writing, Research and Reporting Workshop II, JOUR-GA 1022, Portfolio I, JOUR-GA 1044, and Portfolio II, JOUR-GA 1045. In addition, students are required to take one reading oriented elective and one reporting oriented elective. The concentration also requires a one-credit apprenticeship, Fieldwork in Journalism, JOUR-GA 1290 and a final, one-credit Master’s Thesis, JOUR-GA 2090. The capstone project for the Literary Reportage concentration is an apprenticeship with an non-fiction author that will result in the production of the master’s project, a significantly reported work of up to 10,000 words in length. The apprenticeship is connected with enrollment in Fieldwork in Journalism, JOUR-GA 1290, and the student continues work on the project while enrolled in Master’s Thesis, JOUR-GA 2090.

**News and Documentary Concentration:** Students in the News and Documentary concentration are educated in reporting and producing short-form and long-form journalism for traditional and nontraditional media. From the first class, News and Documentary students are immersed in shooting, editing and learning to report with

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**Frankie Edozien,** Clinical Associate Professor. B.A. 1994, New York.
Metro politics and government; African governments and culture; general interest reporting; public health, particularly HIV/AIDS issues; African immigrants in New York.

**Dan Fagin,** Professor. B.A. 1985 (government), Dartmouth.
Environmental journalism; science journalism; science and religion.

**Meryl Gordon,** Associate Professor: B.A. 1973 (English), Michigan.
Political journalism and magazine profiles.

Fiction; immigration and politics; art and jazz; New York City.

Science and technology reporting; research ethics; neuroscience issues.

**Perri Klass,** Professor; Pediatrics (School of Medicine). M.D. 1986, B.A. 1979, Harvard.
Medicine and ethics; issues of infectious disease; issues of pediatrics and literacy.

**Brooke Kroeger,** Professor; M.S. 1972, Columbia; B.S. 1971 (journalism, political science), Boston.
Biography; archival research; women, foreign, and general interest reporting; identity and deception.

Urban and social issues; immigration; veterans; African American and Latino culture, documentary.

Film, dance, book, photography, and art criticism; history of criticism; cultural politics; international politics of human rights, humanitarian intervention, war, and genocide.
pictures and sound as well as words. They learn form, structure, and storytelling by working in the field with a partner and, eventually, by themselves. The Reporting I course begins with the basics of short-form stories covering an ethnic neighborhood in New York. Students then move on to magazine length stories that air on NYC/TV and finally a 30-minute documentary that they shoot over the summer and edit in Advanced TV. Required courses include: Writing, Research and Reporting Workshop I, JOUR-GA 1021, Television Reporting I, JOUR-GA 1040, Television Reporting II, JOUR-GA 1172, Digital Newsroom, JOUR-GA 1070, and Advanced TV Reporting, JOUR-GA 1175. The remaining two courses may be an internship and/or electives totaling 36 credits for the M.A. degree. The capstone project for the News and Documentary Concentration is a 30-minute documentary that the student generally shoots over the summer after the first year and then edits as part of the Advanced TV Reporting, JOUR-GA 1175, course. The student may substitute a different capstone course with the permission of the Director of Graduate Studies.

**Studio 20: Digital First Concentration:** Studio 20: Digital First concentration emphasizes project-based learning with a focus on innovation and adapting journalism to the web. Students, faculty and visiting talent work on editorial and web development projects together, typically with media partners who themselves need to find new approaches or face problems in succeeding online. By participating in these projects and later running their own, students learn to grapple with all the factors that go into updating journalism for the web era. Studio classes provide a "hub" for organizing activity and a common space for inquiry and reflection around the program’s various projects. Students are expected to be flexible and curious, generous in sharing skills, eager to pick up new knowledge and willing to adapt to what the project—and its deadlines—demand. The program requires three semesters of study, with opportunities over the summer to take an internship or job in the field. All Studio 20 students must complete 9 courses (36 points). Required courses are: Writing, Research and Reporting Workshop I and II, JOUR-GA 1021, 1022, Digital Thinking, JOUR-GA 1012, Studio I, JOUR-GA 1042, Studio 2, JOUR-GA 1043, and Studio 3, JOUR-GA 2044. Capstone project is completed as part of the Studio 3, JOUR-GA 2044, course. As the culmination of this course, students will complete a substantial work of quality journalism or journalistic criticism made for the web or a demonstration project that shows substantial innovation in web based journalism. This project must have a media partner that will use or carry the final work and collaborate in its production, setting constraints and distributing the work.

**Magazine Concentration:** The Magazine concentration is premised on the belief that mastering the traditional skills required to produce great journalism will remain essential in a constantly evolving media culture. We offer a wealth of reporting and writing classes and the program also enthusiastically embraces new technologies, with an emphasis on story-telling through video and photography. Magazine students try their hands at every type of journalism—deadline driven hard news stories, profiles, in-depth features, personal essays, opinion articles, critical reviews, and reader-service pieces. The magazine concentration requires students to take nine courses (36 points) over the course of three semesters. Required courses are: Writing, Research and Reporting Workshop I, JOUR-GA 1021, Press Ethics, JOUR-GA 12,

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**Jason Maloney,** Clinical Associate Professor, M.Sc. 1994 (international political economy), London School of Economics, University of London; B.A. 1991 (government and film studies), Dartmouth College. Foreign affairs; international peace and security issues; post conflict reconstruction; video news production; international news production; non-profit journalism; videography.


**Suketu Mehta,** Associate Professor. M.F.A. 1986 (creative writing), Iowa; B.A. 1984 (politics), New York. Narrative nonfiction; fiction and poetry; screenwriting; commentary; cities; international affairs; India; immigration.


**Ivan Oransky,** Distinguished Writer in Residence, Clinical Assistant Professor, Medicine (School of Medicine). M.D. 1998, NYU; B.A. (Biology) 1994, Harvard. Health and medical journalism; scientific integrity; scientific retractions.

**Adam L. Penenberg,** Associate Professor. B.A. 1986 (economics), Reed College. Technology; investigative journalism; jazz.

**Mary W. Quigley,** Clinical Professor. M.A. 1979, New York; B.A. 1971 (English), Fordham. Workplace trends; women and work; military families.

**Marcia Rock,** Associate Professor. Ph.D. 1981 (communications), New York; M.S. 1976 (film and television), Brooklyn College (CUNY); B.A. 1971 (English), Wisconsin. Women in the media; Ireland and Northern Ireland; new technologies.

**Katie Roiphe,** Associate Professor. Ph.D. 1995 (English literature), Princeton; B.A. 1990 (English literature), Harvard. Biography; English and American literature; cultural criticism; women’s issues.
Advanced Reporting Topics, JOUR-GA 1182, Reporting the Arts, JOUR-GA 2034, Introduction to Literary Reportage, JOUR-GA 2048, and one reporting elective. The capstone requirement is a substantial, publishable work of deeply-reported journalism at least 3,000 words long. This requirement is completed while taking one of the following capstone courses: Advanced Reporting Topics, JOUR-GA 1182; Reporting the Arts, JOUR-GA 2034; Introduction to Literary Reportage; or another capstone course designated by the DGS.

**Reporting the Nation and New York Concentration:** Reporting the Nation and New York concentration prepares students to cover issues that concern the American people as a whole. New York City presents a particularly compelling place to offer such a specialization. Many of the great issues that concern and divide Americans can be found in the city and its environs. Each semester includes an intensive series of writing and reporting courses and journalistic seminars as well as an interdisciplinary course that students choose from an approved list meant to provide them with a deeper understanding of significant national issues. There is also a multi-platform reporting trip to an underserved community every fall. Multimedia production is also a strong component of this program and students create content for the concentrations award winning website pavementpieces.com. An internship with a city publication or broadcast outlet takes place between the second and third semesters. This is a 37-credit concentration with a total of 10 courses leading towards an M.A. Required courses are: Writing, Research and Reporting Workshop I and II, JOUR-GA 1021,1022, Press Ethics, JOUR-GA 12, Investigative Reporting, JOUR-GA 331, and Fieldwork in Journalism, JOUR-GA 1290. Capstone project is completed as part of the Investigative Reporting, JOUR-GA 331, course. As the culmination of this course, the student will complete a significantly reported piece of approximately 3,000 words.

**Business and Economic Reporting (BER) Concentration:** Business and Economic Reporting concentration requires 44 points over three semesters and an intervening summer. The curriculum is split between courses in the Arthur L. Carter Journalism Institute and courses at NYU’s Leonard N. Stern School of Business. Required courses in Journalism are: Writing, Research and Reporting Workshop I, JOUR-GA 1021, Writing, Research and Reporting Workshop II, JOUR-GA 1022, First Amendment Law, JOUR-GA 11, Investigative Reporting, JOUR-GA 331 and Fieldwork in Journalism, JOUR-GA 1290, for 2 points (can be split into two 1 point internships) and Longform Narrative, JOUR-GA 2046. Required courses at the Stern School of Business are: Foundations of Finance COR1-GB 2311, Financial Accounting and Reporting COR1-GB 1306; Firms and Markets COR1-GB 1303; and the Global Economy COR1-GB 2303, and two courses with approval of the BER director. The capstone course for this concentration is Longform Narrative, JOUR-GA 2046. In this course, students produce a 3,000-word-long feature article of publishable quality.

**Science, Health and Environmental Reporting Program (SHERP) Concentration:** Science, Health and Environmental Reporting Program (SHERP) concentration at NYU is an 11-course, 42-credit program, including ten required courses and one elective. A key focus is on writing features and news
on science topics for magazines and the web, but students also practice all forms of modern journalism, from books and long-form narratives to video production, blogs and social media. Required courses are: Writing, Research and Reporting Workshop I and II, JOUR-GA 1021, 1022, Current Topics in Science, Health and Environmental Journalism, JOUR-GA 1017, Investigative Science Journalism, JOUR-GA 1189, Environmental Reporting, JOUR-GA 1188, Press Ethics, JOUR-GA 12, Entrepreneurial Science Journalism, JOUR-GA 1190, Fieldwork in Journalism, JOUR-GA 1290, Medical Reporting, JOUR-GA 1187, and Science Writing, JOUR-GA 1180. The capstone course for this concentration is Science Writing, JOUR-GA 1180. In this course, students produce a 3,500-word-long feature article of publishable quality.

**Joint Degree Master of Arts in Journalism and European and Mediterranean Studies**

The Journalism and European and Mediterranean Studies Joint M.A. at the Graduate School of Arts and Science (GSAS) is a 42 credit program (22 Journalism credits including a 2-credit directed reading for the Master’s project and 20 European and Mediterranean Studies credits). Course requirements in Journalism are: WRR I, II, 3 Journalism electives (at least 2 reporting-oriented), plus Master’s project. Course requirements in European and Mediterranean Studies are: What is Europe, 4 European and Mediterranean Studies electives.

**Joint Degree Master of Arts in Journalism and Africana Studies**

The Journalism and Africana Studies Joint M.A. at the Graduate School of Arts and Science (GSAS) is a 42 credit program (22 Journalism credits including a 1-credit internship and 1-credit directed reading for the Master’s project and 20 Africana Studies credits). Course requirements in Journalism are: WRR I, II, 3 Journalism electives (at least 2 reporting-oriented), internship and Master’s project. Course requirements in Africana Studies are: Pro-Seminar I & II, 3 Africana Studies electives.

**Joint Degree Master of Arts in Journalism and French Studies**

The Journalism and French Studies Joint M.A. at the Graduate School of Arts and Science (GSAS) is a 44 credit program (20 Journalism credits and 24 French Studies credits). Course requirements in Journalism are: WRR I, II, 3 Journalism electives (at least 2 reporting-oriented), plus Master’s project. Course requirements in French are: 19th C. French History, 5 electives, 3 hour written exam.

**Joint Degree Master of Arts in Journalism and International Relations**

The Journalism and International Relations Joint M.A. at the Graduate School of Arts and Science (GSAS) is a 40 credit program (24 Journalism credits including a 2-credit directed reading for the Master’s project and a 2-credit internship in either an IR-related or journalism outlet and 16 IR credits). Course requirements in
Joint Degree Master of Arts in Journalism and Latin American and Caribbean Studies

The Journalism and Latin American and Caribbean Studies Joint M.A. at the Graduate School of Arts and Science (GSAS) is a 46 credit program (22 Journalism credits, including a 2-credit directed reading for the Journalism master's project and 24 CLACS credits, including a separate 20-page paper for CLACS in addition to the Journalism master's project). Course requirements in Journalism are: WRR I, II, 3 Journalism electives (at least 2 reporting-oriented), directed reading for master's project. Course requirements in CLACS are: Two required Introductory courses (Iberian-Atlantic and Colonial Perspectives and Hemispheric and Postcolonial Perspectives), four area studies electives; research paper.

Joint Degree Master of Arts in Journalism and Near Eastern Studies

The Journalism and Near Eastern Studies Joint M.A. at the Graduate School of Arts and Science (GSAS) is a 42 credit program (20 Journalism credits plus 2 credit master's project and 20 Near Eastern credits). Course requirements in Journalism are: WRR I, II, 3 Journalism electives (at least 2 reporting-oriented), plus Master's project. Course requirements in Near East are: Problems & Methods in Middle Eastern Studies, History of Middle East (1750 to Present), One course each from two of the following disciplines: Anthropology, Economics, Politics, Sociology, and one other elective selected in consultation with DGS.

Joint Degree Master of Arts in Journalism and Russian and Slavic Studies

The Journalism and Russian and Slavic Studies Joint M.A. at the Graduate School of Arts and Science (GSAS) is a 42 credit program (22 Journalism credits including a 2-credit directed reading for the Master's project and 20 Russian and Slavic Studies credits). Course requirements in Journalism are: WRR I, II, 3 Journalism electives (at least 2 reporting-oriented), Master's project. Course requirements in Russian and Slavic Studies are: Defining Russia, 4 Russian and Slavic Studies electives.

COURSES

First Amendment Law
JOUR-GA 11  4 points. 2017-18, 2018-19

Discusses exceptions to the First Amendment language that “Congress shall make no law . . . abridging the freedom of speech or of the press.” Subjects covered include prior restraint of the press, libel, invasion of privacy, news-gathering
problems, shield laws and protection of sources, free press and fair trial, and broadcast regulations by the FCC.

**Press Ethics**  
JOUR-GA 12 4 points. 2017-18, 2018-19  
Explores the ethical questions facing working journalists. Focuses on specific cases, both real and hypothetical. Through readings, papers, and class discussion, students analyze the ethical problems raised by these cases and develop their own systems for making ethical decisions.

**Investigative Reporting**  
JOUR-GA 331 4 points. 2017-18, 2018-19  
The objective of this course is to help students master basic investigative tools and techniques, as well as how to apply them to everyday reporting and major enterprise pieces. The class explores how to take advantage of the two main sources of information—documents and people—and discusses when and how to use computer data to both enhance a story or provide the foundation for a major project. Throughout the course, the goal is to constantly delve beneath the surface. Going deep is the essence of investigative reporting, which pulls together all publicly available information, as well as harder-to-find material, to present the fullest possible picture. Corporations and powerful individuals employ armies of PR experts, lawyers, and lobbyists to ensure that only their version of reality prevails, and it is the lonely duty of journalists to dispel this fog of self-interest. At least as important as mastering the technical skills is learning to think critically and skeptically. The relentlessly upbeat press release, the carefully worded SEC filing, or the late-Friday-afternoon earnings statement each, as a matter of course, should be probed for accuracy and omission. What important development went unsaid? Did the company chairman really resign to "spend more time with his family"?

**Guerrilla News**  
JOUR-GA 332 4 points. 2017-18, 2018-19  
This course is broken into four parts: print/magazine, Web video, audio podcast, and Web. Over the course of the semester, students produce a magazine feature, a video segment, an audio podcast, an online column, and various forms of Web-based multimedia. Students also maintain individual blogs.

**Digital Thinking**  
JOUR-GA 1012 4 points. 2017-18, 2018-19  
This course examines what makes journalism different now that it runs on a digital platform. Readings and discussion will focus on making sense of the large shifts that accompany the move to digital production and distribution in professional journalism, including the "always on" web, the lower barriers to entry, the rise of social media and "the people formerly known as the audience," the ease of production using digital tools, the "unbundling" of news packages that were well adapted to prior platforms, the loss of monopoly status among news organizations, and the re-voicing of journalism in a more interactive environment for news. By comparing press ethics and key working concepts under the "old" system and the new codes that have emerged in the digital era, students will be able to hone in on what
is different for professional journalists today, which is knowledge they will need for the remainder of the Studio 20 program.

**Current Topics in Science, Health, and Environmental Journalism**  
JOUR-GA 1017 *(SHERP Only)* 4 points. 2017-18, 2018-19  
Introduces students to the world of science journalism by looking at scientific topics that are at the cutting-edge of research and have profound implications for the way we live. In other words, they are the raw material for great journalism. As students immerse themselves in some challenging areas of current science, they will read the work of highly accomplished researchers and journalists, and will also hear from them directly in class. The goal throughout is to understand and adopt the processes that the best science journalists use when they cover controversial science. Covering an assigned beat, students follow the peer-reviewed journals and other sources to stay on top of the news as it happens.

**Current Problems in Journalism**  
JOUR-GA 1019 4 points. 2017-18, 2018-19  
Topical issues in journalism. Subjects vary: media criticism, perspectives on race and class, global journalism, and others.

**Writing, Research, and Reporting Workshop I, II**  
JOUR-GA 1021, 1022 4 points per term. 2017-18, 2018-19  
Workshop I is taken the first semester; Workshop II, the second semester. Provides a foundation in the principles and practices of basic news reporting. Includes lectures on reporting principles and techniques, study of specialized areas of reporting, and completion of increasingly challenging in-class assignments. Students use New York City as a laboratory to gather and report actual news events outside the classroom.

**The Journalistic Tradition**  
JOUR-GA 1023 4 points. 2017-18, 2018-19  
Students read from the works of some of the best English and American journalists, including Benjamin Franklin, Thomas Paine, Margaret Fuller, Charles Dickens, Stephen Crane, H. L. Mencken, Ernest Hemingway, Edward R. Murrow, Lillian Ross, James Baldwin, and Tom Wolfe. Special attention is paid to tone, voice, and imagery and to theories of reporting. Some sections are tailored to specific themes. Sections include Storied New York, where students will look at the city as a character, in journalism, memoir, fiction, poetry, and film.

**Television Reporting I**  
JOUR-GA 1040 4 points. 2017-18, 2018-19  
This beginning course introduces students to field reporting. Students learn to develop story ideas, write to picture, structure a story and conduct interviews, and shoot and edit. Beat assignments cover a variety of topics in the neighborhoods of New York. As the course develops, detailed script analysis is combined with in-depth discussions of the completed pieces. A discussion of aesthetics is supported by viewing a variety of documentaries. Students work in teams of two. They use small DV cameras, linear and nonlinear editing systems.
Studio 1
JOUR 1042  4 points. 2017-18, 2018-19
This course will explore the wave of innovation that is sweeping journalism as a result of the digital disruption that is altering or destroying news companies’ business models. Students will examine the history of innovation in journalism, the causes of the current business disruption, the reinvention of Old Media, the creation of new models, and the nature of innovation itself. They will try their own hand at innovation, creating basic prototypes for a new journalism form or new business.

Studio 2
JOUR 1043  4 points. 2017-18, 2018-19
In Studio 2, students in the Studio 20 program, and others who request to take the course and receive permission from the instructors, tackle one large project in web development: as a team. The project chosen will vary from term to term, but it always be an adventure in web journalism, and it will always have a media partner—typically a news organization or existing journalism site that wants to do something new or collaborate with Studio 20 on an extension of its current editorial presence. Students participate in all phases of the project: background research, news ecosystem analysis, technology assessment, design and conception, prototyping, editorial work flow, content production, testing, launch, feedback and adjustment, de-bugging, iteration and evaluation. They collaborate actively and in person with the media partner. They learn to divide up tasks and coordinate the different parts of the project. They try to push the envelope and do something effective but also innovative in web journalism that meets the partner’s goals, works for the users and adds to the reputation of Studio 20.

Portfolio I
JOUR-GA 1044  4 points. 2017-18, 2018-19
Portfolio I is the first in a two-course workshop, during which you will learn the basic building blocks of literary reportage: generating ideas, refining those ideas into pitches, and developing those pitches into pieces of roughly 1,500-3,000 words. Also covered are interview and reporting techniques, structure and outlines, scenes, and dialogue.

Portfolio II
JOUR-GA 1045  4 points. 2017-18, 2018-19
Portfolio II is a nonfiction M.F.A.-style workshop to help clarify the work students have done in Portfolio I, and to prepare them to produce a masterpiece in the following semester. The genre of the work is not specified (profile, reported essay, etc.) The only requirement—other than a coherent idea, intensive reporting and research, and flawless writing—is that it fall into a recognizable genre. Multimedia and collaborative journalism of all kinds are welcome, too, so long as the student possesses the technical skills for producing high quality work.
Topics in Literary Journalism  
JOUR-GA 1050  4 points. 2017-18, 2018-19  
A course for ambitious writers who want to learn to read the way professional writers read, explicating the structure and language of well-crafted narratives and learning how to apply those lessons and techniques to their own work. Close readers and careful thinkers are wanted. The Narrative Nonfiction I section focuses on "the language of narrative," those compelling and interesting sentences that drive narrative discourse, and how to create them.

Digital Newsroom  
JOUR-GA 1070  4 points. 2017-18, 2018-19  
Digital Newsroom allows graduate students to develop a comprehensive set of skills that will prepare them for a career in video journalism. Over the course of the semester, students rotate between newscast production and in-depth field reporting techniques. The class will produce a weekly newscast that will air on NYU’s television channel and will be “streamed” on the Internet. Students will be instructed on how to do on set reports, live remotes, and special segments, such as sports, entertainment, health, and consumer stories. Students can also use the facilities to pre-tape interviews with guests, as well as develop new ways of telling a story. We encourage experimentation and the use of social media tools.

Television Reporting II  
JOUR-GA 1172  Prerequisite: JOUR-GA 1040. 4 points. 2017-18, 2018-19  
This intermediate second-semester course is run like a local news operation. The students work individually as reporters some weeks and as crew other weeks. They cover beats and do short investigative and enterprise stories as well as cover breaking news and NYU-related stories that air weekly on NYU Tonight. A three-hour editorial meeting provides the time to pitch and plan stories as well as critique finished pieces. Shooting and editing are done as needed with an open schedule. Students have full access to the DV equipment and editing systems throughout the week. Students edit their in-depth pieces on the Final Cut Pro nonlinear editing system.

Advanced TV Reporting  
JOUR-GA 1175  Prerequisites: JOUR-GA 1040 and JOUR-GA 1172. 4 points. 2017-18, 2018-19  
Students produce in-depth newsmagazine pieces that strengthen their reporting and stylistic skills. The class works as a production team and holds editorial meetings every week. Students have the freedom to produce their stories according to their own schedules outside of class. Students have access to digital and beta cameras and edit on nonlinear systems.

Science Writing  
JOUR-GA 1180  (SHERP Only) 4 points. 2017-18, 2018-19  
An advanced class that draws on all the skills students have practiced and polished during the previous year. The goal is to give a realistic preview of life as a working science journalist, from finding a story idea to pitching it to surviving the editing process to making sure the final product is accurate, clear and compelling. The
class looks at science journalism from the editor’s point of view, and also emphasizes the process of popularizing complex scientific and technical information for the mass media.

**Cultural Conversation**

JOUR-GA 1181  Prerequisite: enrollment in the Cultural Reporting and Criticism concentration or special permission. 4 points. 2017-18, 2018-19

Acquaints students with a broad view of culture and of cultural journalism as an ongoing public conversation, while providing an introduction to the basic concepts and practice of cultural criticism. Emphasizes the connections between aesthetic and social issues.

**Advanced Reporting**

JOUR-GA 1182  4 points. 2017-18, 2018-19

A systematic introduction to a specialized form of reporting important to modern journalism. The medium—print, online, video, radio, photographic or a combination—might vary. Regardless, this course will provide students with a solid background in a kind of reportage to which they have hitherto not been exposed to.

**Critical Survey**

JOUR-GA 1184  Prerequisite: enrollment in the Cultural Reporting and Criticism concentration or special permission. 4 points. 2017-18, 2018-19

Teaches students how to write arts criticism that combines clear, vivid prose and a distinctive individual voice with close analysis of specific works in such media as music, literature, art, movies, dance, and theatre. Surveys late 19th- and 20th-century history of criticism.

**Medical Reporting**

JOUR-GA 1187  (SHERP Only) 4 points. 2017-18, 2018-19

An in-depth look at many of the most important contemporary topics in the always dynamic field of medical journalism, including the biology of cancer, environment-related illness, epidemiology, and the precepts of sound medical research and peer review. Students write several short pieces on journal reports, medical conferences and community health lectures, and one longer, feature-length piece on a health topic of their choice. Medical researchers and prominent journalists are frequent guest speakers.

**Environmental Reporting**

JOUR-GA 1188  (SHERP Only) 4 points. 2017-18, 2018-19

Focuses on writing insightful stories about environment-related topics that are often emotionally charged and highly politicized. We will also take deep dives into a series of crucial, often misunderstood topics such as risk assessment, epidemiology, environmental law, climate science, framing and the use of databases and other investigative tools. And finally, we will read and discuss the work of exemplary environmental writers and thinkers, from Henry David Thoreau and Aldo Leopold to John McPhee and Bill McKibben. As we explore each of these three components, we will practice many forms environmental journalism, including news stories, features, topical profiles, blog posts, persuasive pieces and descriptive essays.
Investigative Science Journalism
JOUR-GA 1189  4 points. 2017-18, 2018-19
A journalist, even a science journalist, must be able to see through lies and to shed light on facts that certain people would rather keep hidden. This course is designed to give you the tools to do precisely that. By the end of the semester, you’ll be able to sniff out lies and find the facts to uncover them; you’ll also be relentless—once you sink your teeth into a juicy story, you won’t let go. This course gives SHERP students mathematical knowledge, investigative reporting techniques, and computer skills that will help them cut through hype and obfuscation, and it will do it by having SHERPies perform first-rate investigations on important scientific or medical topics. After completing this course, students will be formidable—and dangerous—reporters.

Entrepreneurial Journalism
JOUR-GA 1190 4 points. 2017-18, 2018-19
This is a hands-on, project-based course. You will work in teams to target a potential market and develop a new business product or service to capture that market. Through research, interviews and exercises—over the course of 11 classes in five weeks—you will gain a foundational knowledge of how to build and defend a business concept.

Business Webzine
JOUR-GA 1192 4 points. 2017-18, 2018-19
Students in this third-semester course use all the skills and knowledge they’ve acquired in the program to produce their own business publication. Under the guidance of an instructor, they assign, write, and edit the articles that appear in the publication.

Magazine Writing Workshop
JOUR-GA 1231 Prerequisite: JOUR-GA 1021. 4 points. 2017-18, 2018-19
Teaches the practical skills required of a nonfiction magazine writer, as well as how to focus an article for a particular market. Emphasis is on producing pieces that both inform and entertain through the careful use of language and the cultivation of an effective, powerful style. Each student writes a magazine-length article of publishable quality.

Topics in Cultural Journalism
JOUR-GA 1281 Prerequisites: enrollment in the Cultural Reporting and Criticism concentration or special permission, JOUR-GA 1181, and JOUR-GA 1184. 4 points. 2017-18, 2018-19
Focuses on a broad cultural theme, allowing students to pursue a variety of interests. Students read and discuss relevant works of cultural journalism, explore an aspect of the topic in depth, and produce a substantial writing project. Topics include "Cataclysm and Commitment: The Journalism of War, Revolution, Genocide, and Human Rights."
Fieldwork in Journalism
JOUR-GA 1290  Prerequisite: permission of the Institute. 1 point. 2017-18, 2018-19
Students who have completed more than half the required courses may receive permission to intern with area publications or broadcast stations. Their work is evaluated by executives and editors of the cooperating news organizations.

Directed Reading
JOUR-GA 1299  Prerequisite: permission of the DGS. 1-4 points. 2017-18, 2018-19
A student works with one professor on a substantial project combining readings with in-depth writing.

Reporting the Arts
JOUR-GA 2034  4 points. 2017-18, 2018-19
In this course, you’ll develop your voice and your repororial skills, enhance your understanding of the way magazines and websites operate, and prepare for a career in an industry that has changed even since you started reading this paragraph.

Studio 3
JOUR-GA 2044  4 points. 2017-18, 2018-19
In Studio 3, students put together everything they have learned in the Studio 20 concentration by finding a willing and suitable media partner for a final project in innovation. It is the culmination of two years of focused study. Working with a media partner, students each have to design and execute their own project in innovation. Studio 20's currency is “good problems.” Meaning: some new and improved thing the partner should be doing, or could be doing, but isn't doing now. Student projects last for one semester (always in the fall) so they have to study the problem, do their research, design an approach, test it, troubleshoot, finish and present the work by December 15—all while coordinating closely with the partner.

Long-Form Narrative
JOUR-GA 2046  4 points. 2017-18, 2018-19
This seminar focuses on the various components that comprise indepth magazine stories and non-fiction books. We’ll dissect great modern and classic magazine stories, books and book proposals for story, character arcs, dialogue, scenes, analysis, structure, transitions, verb tense, point of view and style. The goal is to figure out how to create memorable magazine features and narrative non-fiction books that keep your attention to the very last page, then take what we’ve learned and apply it to our own work.

Introduction to Literary Reportage
JOUR-GA 2048  4 points. 2017-18, 2018-19
What is “literary reportage”? Sometimes called “literary journalism,” “narrative nonfiction” or the “literature of fact,” it might best be thought of as a way of weaving characters, reporting, research and stories together in order to create something that appeals to the general reader. In my opinion, literary reportage is less a subject to be studied than it is a collection of practices, insights, techniques, guidelines and formulas to help a writer explore the subjects he/she cares about, and share that passion with an audience in the most aesthetically pleasing way possible.
The Long-form Essay
JOUR-GA 2056  4 points. 2017-18, 2018-19
This is an advanced course in the reading and practice of essay writing, with a rigorous focus on the mechanics of the essay. How does a great essay work? We will examine the elusive elements of precision, originality, and style. Over the course of the semester students will focus on developing and refining their own critical voice. Critics under discussion will include: Vladimir Nabokov, Kenneth Tynan, Elizabeth Hardwick, Randall Jarrell, Virginia Woolf, Janet Malcolm, Jonathan Franzen, David Foster Wallace, John Updike, and James Wood.

The Critical Profile
JOUR-GA 2057  4 points. 2017-18, 2018-19
In this course, we’ll tackle the challenges of producing successful profiles, with an emphasis on practical solutions to frequently encountered problems. (Topics will include composing a seductive yet brainy lede, translating jargon and technical arcana for lay readers, wrecking vivid scenes from dull subjects, and handling uncooperative subjects.) We’ll study how various journalists, writing about figures in a broad range of fields, from politics and retail to scholarship and the arts, have negotiated the profile’s challenges. We’ll read pieces by some of the genre’s most talented practitioners and meet several of those journalists in class.

Advanced Critical Essay
JOUR-GA 2058  4 points. 2017-18, 2018-19
This is an advanced course in the practice of the long-form cultural essay, which means speculative or argumentative nonfiction-with-a-thesis on a cultural topic that is longer than a brief review and shorter than a big book. (This means swimming in a lake, as opposed to in a pool or an ocean.) It consists of the readings below, class discussions, short writing exercises, and the production of one long essay by the end of the semester. So this course is different from Critical Survey in two major ways: it goes wider—it is about cultural criticism in general, rather than arts criticism in particular—and generally deals with longer pieces of writing.

Cataclysm and Commitment
JOUR-GA 2081  4 points. 2017-18, 2018-19
This seminar will focus explicitly on extraordinary political events that made, and changed, the political (and moral) realities of the past century, and that created the world that we inhabit now. Throughout the term we will return to certain questions, including the changing nature of violence; the tension between nationalism and universalism; the question of “progress”; the emergence of disputed concepts such as “crimes against humanity” and “human rights.” We’ll consider the ways in which “the face of war” in the 20th century (and early 21st) has changed—and the ways in which the journalism that described those wars and events changed, also.

Master’s Thesis
JOUR-GA 2090  4 points. 2017-18, 2018-19
A student works with one professor on a substantial project combining readings with in-depth writing.
PROGRAMS AND REQUIREMENTS

Master of Arts

Degree Requirements: Eight courses (32 points) are required for the degree. The student must receive grades of B or better in courses totaling at least 20 points and must maintain a cumulative GPA of 3.0 or better. The student must take two core, integrating courses, Introduction to Latin American and Caribbean Studies I: Iberian-Atlantic and Colonial Perspectives, LATC-GA 1001, and Introduction to Latin American and Caribbean Studies II: Hemispheric and Postcolonial Perspectives, LATC-GA 2001 (8 points total), offered by the Center each fall and spring, respectively. Four courses (16 points) are taken in a particular field designed to prepare students for interdisciplinary field research and the completion of a final Masters’ project. Fields include development; social movements; democratic transitions; inter-American relations; violence and conflict resolution; gender and sexuality; immigration; ethnic studies; tourism; sports; and arts, museum, media, culture industry, and cultural policy studies. The remaining two courses (8 points) are elective.

Additional requirements for the Master of Arts degree include the completion of a Master’s project. An expanded and revised research paper in the student’s area of specialization or in an integrating course may satisfy this requirement. Language competency in Spanish, Portuguese, French, Quechua, Haitian Kreyòl, or other language of the Americas must be proven through course work, the Foreign Language Proficiency Exam or its equivalent. Students must complete the degree within five years.

The M.A. degree in Latin American and Caribbean studies with a concentration in museum studies is awarded after satisfactory completion of 36 points (20 in CLACS including the two required courses and 16 in museum studies), a major project, and a full summer internship in a museum or cultural institution. This concentration is aimed primarily at those who are or will be museum professionals in Latin America and the Caribbean or are specializing in collections from these areas in U.S. museums. The concentration provides professional skills and internship opportunities in museum studies, as well as substantive academic knowledge of Latin America and the Caribbean. Museum studies requirements for all students in this program include two courses selected from History and Theory of Museums, MSMS-GA 1500, Museum Collections and Exhibitions, MSMS-GA 1501, and Museum Management, MSMS-GA 1502, as well as Internship.
MSMS-GA 3990, and Research Seminar, MSMS-GA 3991.

Students who wish to pursue an Advanced Certificate in Museum Studies alongside the M.A. in Latin American and Caribbean studies should consult that department’s section for more information and requirements.

**Dual Degree Master of Arts and Juris Doctor**

The dual degree M.A./J.D. program in law and Latin American and Caribbean studies provides training in foreign cultures to prepare law students for international careers and for dealing with Latin American and Caribbean businesses and clients in the United States. In-depth knowledge of Latin American and Caribbean history, politics, society, and political economy adds a valuable intellectual dimension to the training of law students who plan to practice international private and public law or corporate law for foreign clients. The M.A./J.D. program requires a total of 94 points for the two degrees and can be completed in three to four years. The School of Law required 83 points of study for the J.D. However, in the dual M.A./J.D. degree, 12 points for courses taken at GSAS can be applied to this requirement. The requirements for the M.A. are as above, but 8 points for courses taken in the School of Law can be applied in place of elective courses. Candidates for the dual degrees submit separate applications to the Graduate School of Arts and Science and the School of Law. Applications to the two schools can be made simultaneously, but students already enrolled in their first year at the Law School may also apply to the Graduate School to commence the dual MA/JD degree during their second year.

**Joint Degree Master of Arts in Latin American and Caribbean Studies and Journalism**

The joint M.A. program in Latin American and Caribbean studies and journalism prepares students for careers as professional newspaper, magazine, or broadcast journalists with a special background in Latin America and the Caribbean. For further information about this joint program refer to the Journalism section.

**FACILITIES**

The Center for Latin American and Caribbean Studies at NYU has been designated a Title VI National Resource Center by the US Department of Education. Title VI enhances research, teaching, and foreign language learning opportunities and supports faculty-led initiatives, including the longstanding Latin American History working group, the Caribbean Initiative the Andean Initiative, the Brazil Initiative, and the Observatory on Racisms in the Americas.

Bobst Library includes 250,394 titles related to Latin America and the Caribbean, including 623 journal subscriptions. Library strengths lie in history, performing arts, film and media studies including indigenous media, and migration studies; regional strengths include the Andes, Brazil, and the Caribbean. NYU Libraries holds a Library of Caribbean Research, including nearly 10,000 monographs.

**Sibyly Fischer**, Associate Professor (Spanish and Portuguese Languages and Literature). Ph.D. 1995 (comparative literature/Spanish and Portuguese) Columbia University, M.A. 1987 (Latin American studies, philosophy, German literature), Freie.
Caribbean literature and culture; Spanish American Independence; the Haitian Revolution; culture and politics in the nineteenth century; the history of political thought.

**Odi Gonzales**, Senior Language Lecturer, M.A. 2003 (Latin American literature) Maryland; Licenciado 1985 (Latin American literature and linguistics) San Agustin (Arequipa).
Quechua oral tradition; interaction between Quechua orality and Latin American literature; study, transcription, and translation of Quechua oral tradition heritage; comparative studies of ancient Andean myths, tales, and songs; Quechua poetry.

**Amy Huras**, Assistant Professor/Faculty Fellow (Latin American and Caribbean Studies). Ph.D 2016 (history) University of Toronto, M.A. 2007 (Latin American Studies) University of Cambridge, B.A. 2006 (Spanish Language and Literature) University of Guelph.
Colonial Latin America; Andes; Social history of language.

Caribbean, Latin America, race and ethnicity, religion (particularly obeah, Islam, Afro-Atlantic religions), theory and method in diaspora studies, creolization.

Latin American theatre and performance art; culture and racial formations in the Americas, art and politics.
government documents, rare nineteenth-century newspapers, and original manuscripts related to the region. NYU houses the Hemispheric Institute Digital Video Library (HIDVL), an extensive digital video archive on performance in the region.

**COURSES**

**Core Courses**

**Introduction to Latin American and Caribbean Studies I: Iberian-Atlantic and Colonial Perspectives**
LATC-GA 1001  *Huras.* 4 points. 2017-18, 2018-19
An introduction to the disciplinary and interdisciplinary approaches to Latin American and Caribbean studies, with emphasis on pre-invasion Americas, the production of the imperial/colonial world. The course explores the genesis of plantation societies in throughout the Americas, studying the contrasting colonial projects of Spanish America, Portuguese Brazil, and the British, French, and Dutch Caribbean.

**Introduction to Latin American and Caribbean Studies II: Hemispheric and Postcolonial Perspectives**
LATC-GA 2001  *Calla.* 4 points. 2017-18, 2018-19
Part II of the required introductory course sequence begins with the independence era, and studies the emergence of a hemispheric axis for Latin America and the Caribbean in which relations with the United States loom large. Readings revolve around themes of class, race, ethnicity, gender and sexuality, with particular emphasis on the day-to-day processes of state formation and issues of governance. In this course, students are also prepared in research methods for fieldwork or archival research in preparation for their master’s project.

**Elective Courses**

**Beginning Quechua I**
LATC-GA 10  *Gonzales.* 4 points. 2017-18, 2018-19

**Beginning Quechua II**
LATC-GA 11  *Gonzales.* 4 points. 2017-18, 2018-19

**Intermediate Quechua I**
LATC-GA 0020  *Gonzales, Odi.* 4 points. 2017-18, 2018-19

**Intermediate Quechua II**
LATC-GA 0021  *Gonzales, Odi.* 4 points. 2017-18, 2018-19

**Government and Politics of Latin America**
LATC-GA 1017  *Navia.* 4 points. 2017-18, 2018-19
In the 1990s, most Latin American countries embraced—with different levels of enthusiasm—the Washington Consensus neo-liberal economic reforms and electoral democracy became the norm in the region. Many believed Latin American had finally left behind a past of political instability, military coups,


**Dylon Robbins,** Assistant Professor (Spanish and Portuguese Languages and Literature). Ph.D. 2010 (Spanish and Portuguese) Princeton, M.A. 2003 (Spanish) Rice, B.A. (Spanish, music) Texas (Austin). Brazilian and Caribbean culture; Brazilian music and film; African Diasporas in the Americas.

**María Josefina Saldana-Portillo,** Professor (Social and Cultural Analysis). Ph.D. 1993 (modern thought and literature) Stanford; B.A. 1983 (English) Yale. Latina/o cultural studies; development and globalization studies; comparative race in the Americas; 20th century revolutionary thought and literature.

**ADJUNCT FACULTY**


**AFFILIATED FACULTY IN OTHER DEPARTMENTS**

**Alisha Ali,** Psychology; José Alvarez, Law; Laura Amellio, Spanish and Portuguese Languages and Literatures; Gary Anderson, Steinhardt School of Culture, Education, and Human Development; Elizabeth Auspach, Spanish and Portuguese Languages and Literatures; Gianpaolo Baiocchi, Gallatin School of Individualized Study; Miriam de Mello Ayres, Spanish and Portuguese Languages and Literatures; Gabriela Basterra, Comparative Literature, Spanish and Portuguese Languages and Literatures; Cristina Beltrán, Social and Cultural Analysis (Latino Studies);
populism, revolutionary movements and radical political change. However, consolidating democracy proved to be much more difficult than attaining electoral democracy. In this course we explore the reasons why, and consider Latin America's capacity to develop strong institutions and a strong civil society—two characteristics that often associated with consolidated democracies.

Human Rights in Latin America
LATC-GA 1048 Lucas. 4 points. 2017-18, 2018-19
In this graduate seminar, students will study the international human rights standards and principals, topical case studies in Latin America, the role of international and local NGOs (non-governmental organizations) in the human rights movement, popular resistance and social movements in the Latin American human rights movement, and the role of media and representation in reporting and promoting human rights.

U.S.-Latin American Relations: WWI to the Present
LATC-GA 2145 Castañeda. 4 points. 2017-18, 2018-19
The course seeks to analyze the dynamics and issues that describe relations between the United States and Latin America since the end of World War II. A complete picture of the current state of affairs in the hemisphere and the reasons that led to it require an analysis in three different—but related—dimensions. To cover the first one, the course analyzes historical benchmarks that contextualize particular overt American interventions in the region, dissecting its causes, operation and consequences. In a second dimension, the course looks at topics that have permeated the relationship between the United States and Latin America over this period. Because of their typically cross-national nature, they illustrate a different set of dynamics and concerns that have fueled tensions in the relationship. A third and final dimension concerns recent developments in Latin America that affect and have been affected by U.S. foreign policy.

CLACS Interdisciplinary Seminar
LATC-GA 2590 Topic and Instructor TBD. 4 points. 2017-18, 2018-19
This course is a co-taught, interdisciplinary seminar taught in both fall and spring semesters on themes related to Latin America and the Caribbean. The course runs in conjunction with a themed Colloquium speaker series, held on Monday evenings. Recent topics have been: What’s Left of Cuba?, Latin American Independence, Afro-Latin Soundscapes, Whither the Caribbean?, Political Imaginaries

Contemporary Racisms in the Americas
LATC-GA 1014 Calla. 4 points. 2017-18, 2018-19
This seminar explores emergent forms of racism in the Americas and considers their impact on intercultural relations, racial and economic justice, and democracy. The emergence of these “new racisms” is largely uncharted terrain in the social sciences; we explore this phenomenon in relation to what some have called a “post racial” present defined by larger processes of economic and cultural globalization and transnational migration.
CLACS Internship Seminar  
LATC-GA 3050 Calla. 2-4 points. 2017-18, 2018-19  
The aim of the internship is to provide an intensive work experience for competitive entry or advancement in a profession that involves work dealing with Latin America or the Caribbean. Students secure their own internships with CLACS guidance; students meet regularly with the instructor and produce written reflections on their experience. Placements are individualized, and based on student goals.

Research and Writing Workshop  
LATC-GA 3200 TBD. 4 points. 2017-18, 2018-19  
This course is designed as a research/writing workshop for CLACS MA students returning from summer field research. The course will be organized around common methodological readings and will provide an opportunity for students to workshop outlines and drafts of the MA projects.
and Literatures; Niobe Way, Psychology; Barbara Weinstein, History; Lila Zemborain, Spanish and Portuguese Languages and Literatures; Maria Jose Zubieta, Spanish and Portuguese Languages and Literatures.
DUAL DEGREE MASTER’S PROGRAM WITH

Library Science

Palmer School of Library and Information Science of LIU Manhattan Program and the Graduate School of Arts and Science of New York University

PROGRAM AND REQUIREMENTS

Dual Degree Master of Arts or Science and Master of Science in Library and Information Science

Students in this dual degree program concentrate their studies in a subject from within the NYU Graduate School of Arts and Science and pair that with the M.S. in Library Science degree from The Palmer School. The dual degree is designed to prepare subject specialists who will work in academic research settings. Students apply independently to both programs and must meet the admission standards of each program.

Graduate School of Arts and Science master’s degrees generally require between 32 and 36 points. The M.S. in Library Science requires 36. A total of 8 points from the NYU’s GSAS program and a total of 8 points from Palmer can be transferred in place of elective courses toward the other school’s degree. Thus students generally take approximately 52 points combined from both universities. The program includes a specialized 160-hour mentoring program offering students the opportunity of working one-on-one with a librarian from the NYU libraries.

Please note that students who have already earned more than six Palmer points are no longer eligible to apply to the dual degree. Students who have earned more than 12 points in GSAS will be assessed on an individual basis. For inquiries into the dual degree program, please contact Alice Flynn, Program Director, Palmer Manhattan, at alice.flynn@liu.edu or at 212 998 2680.
DEPARTMENT OF

Linguistics

PROGRAMS AND REQUIREMENTS

Master of Arts

Course Requirements: 32 points of approved courses (at least 24 in residence at New York University) are required, including four basic courses required of all students: Phonology I, LING-GA 1210, Syntax I, LING-GA 1310, Semantics I, LING-GA 1340, Sociolinguistics, LING-GA 1510, and two of the following five courses: Phonology II, LING-GA 1220, Historical Linguistics, LING-GA 1410, Syntax II, LING-GA 2310, Semantics II, LING-GA 2370, Sociolinguistic Field Methods, LING-GA 2540.

Language Proficiency: The student must demonstrate reasonable proficiency in one language other than English that is of clear relevance to the student’s research, subject to approval by the director of graduate studies. Proficiency can generally be demonstrated in two ways: First, by earning a grade of B or better in at least the fourth term of a college foreign language course completed not more than two years before the student’s admission to the Graduate School of Arts and Science. Second, by passing the appropriate Graduate School of Arts and Science foreign language proficiency examination. When proficiency is demonstrated in some other way (e.g., when a student presents an undergraduate degree from a foreign university where the language in question is the medium of instruction for the student’s course of study), the director of graduate studies may grant a waiver of the foreign language examination.

Qualifying Paper: An article-quality paper in which the student demonstrates the ability to carry out original research. It contains original thought, a command of the literature, sound linguistic analysis and argumentation, and clear presentation. Each paper must be no more than 50 double-spaced pages in length (tables, charts, spectrograms, footnotes, and bibliography included).

Doctor of Philosophy

For the Ph.D., the student is required to complete a total of 72 points of approved courses of which at least 32 points must be completed in residence at NYU. Course work in related fields must be approved in advance by the director of graduate studies. The following 4-point courses are required of all students: Phonology I, LING-GA 1210, Syntax I, LING-GA 1310, Semantics I, LING-GA 1340, Sociolinguistics, LING-GA 1510. In addition all students are required to take 3 of the following 9 courses to satisfy the breadth requirement: Field Methods, LING-GA 0044, Introduction to Morphology at an Advanced Level, LING-GA 1029, Phonology II, LING-GA 1220, Historical Linguistics, LING-GA 1410,
Syntax II, LING-GA 2310, Semantics II, LING-GA 2370, Linguistic Variation, LING-GA 2530, Neurolinguistics, LING-GA 2710, or an extra-departmental course, as specified below. At most one of these 9 courses may be used to satisfy both a breadth requirement and the student’s area requirement (see below). The extra-departmental course has to be a graduate introductory level course in a department other than Linguistics either at NYU or at a consortium partner university. Student must consult with their advisor in advance and obtain the permission of the Director of Graduate Studies if they wish to use the extra-departmental course to satisfy a breadth requirement.

To satisfy the area requirement, an additional course is taken to complete a two course area with one of the courses already counted toward breadth requirement. For students wishing to specialize either in syntax or in semantics, the area requirements are Syntax II, LING-GA 2310, and Semantics II, LING-GA 2370. Semantics II must be taken in the same year as Semantics I. Area requirements for those wishing to specialize in phonetics/phonology are Phonology II, LING-GA 1220, and an additional course in phonetics. Students wishing to specialize in sociolinguistics are required to take Sociolinguistic Field Methods, LING-GA 2540, and Linguistic Variation, LING-GA 2530. Students wishing to specialize in neurolinguistics must take Neurolinguistics, LING-GA 2710, and the Seminar in Neurolinguistics, LING-GA 3710. Students are not required to choose a specialization when they enter the program. When they choose, or change, their specialization, the DGS will advise them about how to comply with the area requirements.

The remaining 40 points of the coursework is fulfilled with electives. To qualify for full-time status, Ph.D. students enroll in courses according to the following schedule. First Year: fall, 12 points; spring, 12 points. Second Year: fall, 12 points; spring, 8 points. Third Year: fall, 8 points; spring, 8 points. Fourth Year: fall, 4 points; spring, 4 points. Fifth Year: 4 points.

Language Proficiency: For the Ph.D. degree, the student must demonstrate reasonable proficiency in one language other than English that is of clear relevance to the student’s research, subject to approval by the director of graduate studies. Proficiency can generally be demonstrated in two ways: First, by earning a grade of B or better in at least the fourth term of a college foreign language course completed not more than two years before the student’s admission to the Graduate School of Arts and Science. Second, by passing the appropriate Graduate School of Arts and Science foreign language proficiency examination. When proficiency is demonstrated in some other way (e.g., when a student presents an undergraduate degree from a foreign university where the language in question is the medium of instruction for the student’s course of study), the director of graduate studies may grant a waiver of the foreign language examination.

Qualifying Papers: Students must submit qualifying papers in two different areas of linguistics. A qualifying paper (QP) is called “qualifying” because a student demonstrates that she or he is qualified to do a dissertation. It contains original thought, a command of the literature, sound linguistic analysis and argumentation.
and clear presentation. Each paper must be no more than 50 double-spaced pages in length (tables, charts, spectrograms, footnotes, and bibliography included).

The student submits the first QP in the fourth semester of the student's career and the second QP in the fifth semester. If one of the QPs contains an extensive experimental or fieldwork component, one semester may be added to that QP's timetable. Thus, if it is the first QP, it is due in the fifth semester (and hence the second QP is due in the sixth semester), while if it is the second QP that adds an extensive experimental/fieldwork component, it is due in the sixth rather than the fifth semester.

Dissertation Proposal: After a student has completed the second qualifying paper, the student begins work on a dissertation proposal. Once the student has selected the area in which she or he wishes to write a dissertation, the student should meet with her or his potential dissertation adviser and obtain that faculty member's agreement to serve in that capacity. Students are expected to choose the dissertation adviser by the end of the first week of the seventh semester. This person is responsible for working with the student to make sure that the dissertation proposal is completed in a timely fashion. The student's dissertation committee will consist of four faculty members, at least three of whom will come from within the department, in addition to the dissertation adviser. A full committee for the dissertation should be chosen by February 1 of the eighth semester.

The dissertation proposal is to be a maximum of 50 double-spaced pages, including footnotes, tables, charts, spectrograms, and bibliography. It should demonstrate a command of the literature, the significance of the dissertation (i.e., the contribution that it will make to the field), the structure of the proposed dissertation, and the student's ability to carry out linguistic analysis of a quality appropriate for a dissertation. Students may incorporate one (or both) of the qualifying papers into the dissertation proposal if appropriate. Similarly, it is fully expected that large sections of the dissertation proposal will go directly into the dissertation.

Students are expected to complete the dissertation proposal by the third Monday in April of the eighth semester and defend the proposal by the end of the fourth year. A date for the defense will be determined in conjunction with the committee members. A proposal defense can have three outcomes: “accepted,” “accepted pending satisfactory revisions,” and “rejected.” If the proposal is not accepted (in either form) by the end of the fourth year, the student will be put on academic probation.

Dissertation: Students with an approved dissertation proposal will proceed to write the dissertation under the supervision of the dissertation adviser and with the advice of the members of the dissertation committee. When the committee members agree that the dissertation is ready to be defended, a final oral examination will be scheduled. Passing this defense and receiving the committee’s approval of the dissertation are the final departmental requirements for the Ph.D.
FACILITIES

The Linguistics Department houses five laboratories: the Child Language Lab, the KIT/NYU MEG Lab, the Neurolinguistics Lab, the Phonetics and Experimental Phonology Lab and the Sociolinguistics Lab. These labs include facilities for brain imaging with MEG, ultrasound imaging of speech, and recording of speech in a soundproof room.

COURSES

Field Methods
LING-GA 44  Prerequisites: an introductory linguistics course and one course in either syntax or phonology. Collins, Gallagher. 4 points. 2017-18, 2018-19

Linguistics as Cognitive Science
LING-GA 48  Marantz. 4 points. 2017-18

Introduction to Morphology at an Advanced Level
LING-GA 1029  Marantz. 4 points. 2017-18

Phonology I
LING-GA 1210  Gallagher, Gouskova. 4 points. 2017-18, 2018-19

Phonology II
LING-GA 1220  Prerequisite: LING-GA 1210 or permission of the instructor. Davidson, Gallagher, Gouskova. 4 points. 2017-18, 2018-19

Syntax I
LING-GA 1310  Collins, Harves, Kayne. 4 points. 2017-18, 2018-19

Semantics I
LING-GA 1340  Barker, Champollion, Szabolcsi. 4 points. 2017-18, 2018-19

Historical Linguistics
LING-GA 1410  Staff. 4 points. 2017-18

Sociolinguistics
LING-GA 1510  Blake, Guy, MacKenzie. 4 points. 2017-18, 2018-19

Acoustic Phonetics
LING-GA 2110  Davidson. 4 points. 2017-18

Laboratory Phonology
LING-GA 2220  Prerequisite: LING-GA 1220 or permission of the instructor. Davidson, Gallagher, Gouskova. 4 points. 2017-18

Syntactic Theory and Analysis
LING-GA 2310  Prerequisite: LING-GA 1310 or permission of the instructor. Collins, Harves, Kayne. 4 points. 2017-18, 2018-19

Semantics II
LING-GA 2370  Prerequisite: LING-GA 1340 or permission of the instructor. Barker, Champollion, Szabolcsi. 4 points. 2017-18, 2018-19
Linguistic Variation  
LING-GA 2530  Guy, Blake. MacKenzie. 4 points. 2017-18

Sociolinguistic Field Methods  
LING-GA 2540  Blake. 4 points. 2017-18

Seminar in Language Acquisition  
LING-GA 2610  Cournane. 4 points. 2018-19

Neurolinguistics  
LING-GA 2710  Pykkänen, Marantz. 4 points. 2017-18, 2018-19

Statistical Analysis in Linguistics  
LING-GA 2945  Staff. 4 points. 2017-18, 2018-19

Seminar in Phonetics  
LING-GA 3110  Prerequisite: LING-GA 1210 & LING-GA 2110 or permission of the instructor. With permission, may be repeated for credit. Davidson, Gallagher. 2017-18

Seminar in Phonology  
LING-GA 3210  Prerequisite: LING-GA 1220 or permission of the instructor. With permission, may be repeated for credit. Davidson, Gallagher, Gouskova. 4 points. 2017-18, 2018-19

Syntax III  
LING-GA 3230  Prerequisite: LING-GA 2310 or permission of the instructor. Collins, Harves, Kayne. 4 points. 2017-18

Seminar in Syntax and Semantics  
LING-GA 3240  Prerequisite: LING-GA 2310 or LING-GA 2370 or permission of the instructor. Szabolcsi. 2017-18.

Computational Methods for Linguistics  

Seminar in Syntax  
LING-GA 3320  Prerequisite: LING-GA 2310 or permission of the instructor. With permission, may be repeated for credit. Collins, Harves, Kayne, Marantz. 4 points. 2017-18, 2018-19

Seminar in Semantics  
LING-GA 3340  Prerequisite: LING-GA 2370 or permission of the instructor. With permission, may be repeated for credit. Barker, Bowman, Champollion, Cournane, Schlenker, Szabolcsi. 4 points. 2017-18, 2018-19

Seminar in Sociolinguistics  
LING-GA 3510  Prerequisite: LING-GA 1510 or permission of the instructor. With permission, may be repeated for credit. Blake, Cournane, Guy, MacKenzie. 4 points. 2017-18, 2018-19
Seminar in Neurolinguistics  
LING-GA 3710  Prerequisite: graduate status in linguistics, psychology, or neuroscience, or permission of the instructor. Pylkkänen. 4 points. 2017-18

Variable Content Courses

Directed Reading in Linguistics  
LING-GA 3910  Prerequisite: permission of the director of graduate studies.  
May be repeated for credit. 1-6 points. 2017-18, 2018-19

Ph.D. Dissertation Research  
LING-GA 3930  Prerequisite: permission of the director of graduate studies.  
May be repeated for credit. 1-6 points. 2017-18, 2018-19
PROGRAMS AND REQUIREMENTS

Master of Science in Mathematics

A candidate for the master’s degree in mathematics must fulfill the following departmental requirements: either 36 points of coursework and a grade of at least B on the written comprehensive examination, or 32 points of coursework and a master’s thesis completed under the supervision of a faculty member and approved by the department. Under both options, students may be able to transfer up to 8 points of credit (usually equivalent to two CIMS courses) from other academic institutions.

Coursework: The master’s degree in mathematics encompasses the basic graduate curriculum in mathematics, and also offers the opportunity of some more specialized training in an area of interest. A typical master’s program will involve basic courses in real analysis, complex analysis and linear algebra, followed by other fundamental courses such as probability, scientific computing, and differential equations. Depending on their mathematical interests, students will then be able to take more advanced graduate courses in pure and applied mathematics. In this regard, students are required to take eight courses (24 credits) from the list below. All four courses in Group I: MATH-GA 1410 Introduction to Math Analysis I, MATH-GA 2450 Complex Variables I, MATH-GA 2110, Linear Algebra I, MATH-GA 1002, Multivariable Analysis; two courses from Group II: MATH-GA 1420 Introduction to Math Analysis II, MATH-GA 2460, Complex Variables II, MATH-GA 2120, Linear Algebra II, MATH-GA 2901, Basic Probability, MATH-GA 2043, Scientific Computing, MATH-GA 2470, Ordinary Differential, Equations; and two additional courses from Group II or Group III: MATH-GA 2010, Numerical Methods I, MATH-GA 2020, Numerical Methods II, MATH-GA 2130, Algebra I, MATH-GA 2210, Number Theory, MATH-GA 2310, Topology I, MATH-GA 2350, Differential Geometry I, MATH-GA 2490, Partial Differential Equations I, MATH-GA 2550, Functional Analysis, MATH-GA 2563, Harmonic Analysis, MATH-GA 2701, Methods of Applied Math, MATH-GA 2702, Fluid Dynamics, MATH-GA 2902, Stochastic Calculus, MATH-GA 2911, Probability; Limit Theorems I, MATH-GA 2962, Mathematical Statistics, must be taken. Advanced students may take certain substitute courses at the discretion of the Director of Graduate Studies.

Master of Science in Scientific Computing

The M.S. in Scientific Computing, offered jointly by the Departments of Mathematics and of Computer Science, provides broad yet rigorous training

FACULTY

Scott Armstrong, Associate Professor. Ph.D. 2009, California (Berkeley); B.A. 2002, Texas A&M University. Partial differential equations, probability theory, and stochastic homogenization


Afonso Bandeira, Assistant Professor. Ph.D. 2015, Princeton University; M.S. 2010 B.A. 2009 University of Coimbra. Applied mathematics, optimization, probability, information theory, signal processing, mathematics of data science.
in areas of mathematics and computer science related to scientific computing. It aims to prepare people with the right talents and background for a technical career doing practical computing. The program accommodates both full-time and part-time students, with most courses meeting in the evening. The program focuses on the mathematics and computer science related to advanced computer modeling and simulation, and is similar in structure to terminal master’s programs in engineering, combining classroom training with practical experience. The coursework ranges from foundational mathematics and fundamental algorithms to such practical topics as data visualization and software tools. Elective courses encourage the exploration of specific application areas such as mathematical and statistical finance, applications of machine learning, fluid mechanics, finite element methods, and biomedical modeling. The program culminates in a capstone project, which serves to integrate the classroom material.

Admission requirements: The program requires least three semesters of Calculus (including multivariate calculus), as well as linear algebra. Experience with programming in a high-level language (e.g., Java, C, C++, Fortran, Python) as well as data structures, equivalent to a first-year sequence in computer science, is also required. It is highly desirable that applicants have undergraduate major or significant experience in mathematics, a quantitative science or engineering, or economics.

Coursework: a candidate for a master’s degree in scientific computing must accrue 36 points of course credit comprised of: 4 core courses (12 points) in mathematics, MATH-GA 2010, Numerical Methods I, MATH-GA 2020, Numerical Methods II, plus two of the following: MATH-GA 2701, Methods of Applied Mathematics, MATH-GA 2490, Partial Differential Equations I, MATH-GA 2702, Fluid Dynamics, MATH-GA 2704, Applied Stochastic Analysis, and DS-GA 1002, Statistical and Mathematical Methods; 4 core courses (12 points) in computer science, CSCI-GA 1170, Fundamental Algorithms, CSCI-GA 2110, Programming Languages, plus two of the following: CSCI-GA 2246, Open Source Tools, CSCI-GA 2270, Computer Graphics, CSCI-GA 2565, Machine Learning, CSCI-GA 2566, Foundations of Machine Learning, DS-GA 1001, Introduction to Data Science, DS-GA 1003, Machine Learning and Computational Statistics.; 3 elective courses (9 points); and a capstone project course (3 points). Students with exceptional backgrounds may petition the program director for permission to substitute other appropriate courses for core courses.

The master’s program culminates in a capstone project (3 points), which is usually taken during the final year of study. During the project, students go through the entire process of solving a real-world problem, from collecting and processing data to designing and fully implementing a solution. Courses that meet the capstone requirement must involve a significant software development component as well as a research component solving a realistic problem. A list of courses approved to meet the capstone requirement will be announced each academic year based on current course offerings. Advanced students can obtain permission from the director of the program to do an individual capstone project (3 points) under the supervision of a faculty member. Advanced students interested in pursuing further
academic training may be permitted to do a master’s thesis (6 points) as an alternative to the master’s capstone project.

**Master of Science in Mathematics in Finance**

This is a professional master’s program that prepares students for careers in quantitative finance. Course work covers mathematical background, financial theory and models, computational techniques, and practicalities of financial markets and instruments. Instructors include Courant Institute faculty and New York City finance professionals. There is a strong career placement component.

**Coursework:** Students must complete 36 points of coursework and a master’s project. The Mathematics in Finance Master’s Degree Curriculum consists of 12 courses, 7 required courses (21 points) and 5 elective courses (15 points). The required courses are the following: MATH-GA 2791, Derivative Securities, MATH-GA 2902, Stochastic Calculus, MATH-GA 2792, Continuous Time Finance, MATH-GA 2043 or 2048, Scientific Computing or Scientific Computing in Finance, MATH-GA 2751, Risk and Portfolio Management with Econometrics, MATH-GA 2041, Computing in Finance, and MATH-GA 2755, Project and Presentation.

**Dual Degree Master of Science in Mathematics in Finance and Master of Business Administration**

The dual degree M.B.A./M.S. degree is a partnership between NYU Stern and the Courant Institute of Mathematical Sciences. The program takes two and half years to complete. Students study on a full-time basis. The 72-point program is divided between the two schools (36 points at Courant and 36 points at Stern). All M.S. in Mathematics in Finance degree requirements must be met. Information on the M.B.A. degree requirements can be found at: stern.nyu.edu/programs-admissions/full-time-mba/academics/curriculum.

Students study for the first year at Courant, the second year at Stern and then spend the fall of their third taking courses at both schools. The dual degree program may be pursued only on a full-time basis; it is not open to part-time students. Students are awarded the M.B.A. and the M.S. upon the successful completion of the five semesters.

**Advanced Certificate in Financial Mathematics**

In addition to the M.S. program in Mathematics in Finance, the department offers an advanced certificate program in Financial Mathematics, which permits part-time students working in the industry to take just the courses most relevant to their interests and needs. Individuals enrolled in this program choose any 8 of the courses associated with the mathematics in finance curriculum (24 points).
Doctor of Philosophy

A candidate for the Ph.D. degree in mathematics must fulfill the following degree requirements: 72 points of credit; a written comprehensive examination, an oral preliminary examination, and an oral defense of the dissertation.

Coursework: All students in the Ph.D. program must complete 72 points of coursework. It is possible, with departmental permission, to take courses, relevant to students’ course of study, in other departments at NYU or at other universities. A base minimum of 32 points of credits must be completed at the Department of Mathematics.

The Written Comprehensive Examination: The examination tests the basic knowledge required for any serious mathematical study; it is comprised of three individual examinations in Advanced Calculus, Complex Variables, and Linear Algebra, and is given on three consecutive days, twice a year, in early September (or, sometimes, late August) and early January. Each section is allotted three hours and is written at the level of a good undergraduate course. Samples of previous examinations are available in the departmental office. Cooperative preparation is encouraged, as it is for all examinations. Students may take the written examination twice; a third and final time requires the permission of the Director of Graduate Studies.

The Oral Preliminary Examination: This examination is usually taken after two years of full-time study. Its purpose is to determine if the candidate has acquired sufficient mathematical knowledge and maturity to commence a dissertation. The orals are comprised of a general section and a special section, each lasting one hour, and are conducted by two different panels of three faculty members. The examination takes place three times a year: fall, mid-winter and late spring. Cooperative preparation of often helpful and is encouraged. Students may take the oral examination twice; a third and final time requires the permission of the Director of Graduate Studies. All students must take the oral examinations in order to be allowed to register for coursework beyond 60 points. It is recommended that students attempt the examinations well before this deadline.

The Dissertation Defense: The oral defense is the final examination on the student’s dissertation. The defense is conducted by a panel of five faculty members (including the student’s advisor) and generally lasts one to two hours. The candidate presents his/her work to a mixed audience, some expert in the student’s topic, some not. Often, this presentation is followed by a question-and-answer period and mutual discussion of related material and directions for future work.


Leslie Greengard, Professor. M.D., Ph.D. 1987 (computer science), Yale; B.A. 1979, Wesleyan. Applied and computational mathematics; partial differential equations; computational chemistry; computational biology.


C. Sinan Güntürk, Professor. Ph.D. 2000 (applied and computational mathematics), Princeton; B.S. 1996 (mathematics and electrical engineering), Bogazici. Harmonic analysis; information theory; signal processing.


COURSES

Algebra and Number Theory

Linear Algebra I, II
MATH-GA 2110, 2120 3 points per term. 2017-18, 2018-19

Linear Algebra
MATH-GA 2111 Prerequisite: undergraduate linear algebra. This one-term format course is intended primarily for doctoral students. 3 points. 2017-18, 2018-19

Algebra I, II
MATH-GA 2130, 2140 Prerequisite: elements of linear algebra. 3 points per term. 2017-18, 2018-19
Basic concepts including groups, rings, modules, polynomial rings, field theory, and Galois theory.

Advanced Topics in Algebra
MATH-GA 2150, 2160 3 points per term. 2017-18, 2018-19
Recent topics: algebraic geometry and elliptic curves.

Number Theory
MATH-GA 2210 3 points per term. 2017-18, 2018-19
Introduction to the elementary methods of number theory. Topics: arithmetic functions, congruences, the prime number theorem, primes in arithmetic progression, quadratic reciprocity, the arithmetic of quadratic fields.

Advanced Topics in Number Theory
MATH-GA 2250, 2260 3 points per term. 2017-18, 2018-19
Recent topics: modern applied mathematics; atmosphere-ocean science; partial differential equations.

Geometry and Topology

Topology I, II
MATH-GA 2310, 2320 Prerequisites: elements of point-set topology and algebra. 3 points per term. 2017-18, 2018-19

Advanced Topics in Topology
MATH-GA 2333, 2334 3 points per term. 2017-18, 2018-19
Recent topics: concentration measures; characteristic classes and applications; toric varieties and their applications; vector bundles and characteristic classes.
Differential Geometry I, II
MATH-GA 2350, 2360  3 points per term. 2017-18, 2018-19

Advanced Topics in Geometry
MATH-GA 2400, 2410  3 points per term. 2017-18, 2018-19
Recent topics: Geometric nonlinear analysis; geometries of scalar curvature; high dimensional expanders and Ramanujan complexes, randomness and complexity.

Analysis

Multivariable Analysis
MATH-GA 1002  Intended for master’s students. 3 points. 2017-18, 2018-19
Differentiation and integration for vector-valued functions of one and several variables: Curves, surfaces, manifolds, inverse and implicit function theorems, integration on manifolds, Stokes’ theorem, applications.

Introduction to Mathematical Analysis I, II
MATH-GA 1410, 1420  3 points per term. 2017-18, 2018-19


Real Variables
MATH-GA 2430  3 points. 2017-18, 2018-19

Complex Variables I, II
MATH-GA 2450, 2460  3 points per term. 2017-18, 2018-19

Complex Variables
MATH-GA 2451  Prerequisite: advanced calculus or MATH-GA 1410.
This one-term format course is intended primarily for doctoral students. 3 points.
2017-18, 2018-19
Complex numbers, the complex plane. Power series, differentiability of convergent power series. Cauchy-Riemann equations, harmonic functions. Conformal

**Ordinary Differential Equations**

MATH-GA 2470  Prerequisites: linear algebra and elements of complex variables. 3 points. 2017-18, 2018-19


**Introduction to Partial Differential Equations**

MATH-GA 2490  Prerequisites: undergraduate linear algebra, complex variables and ordinary differential equations. 3 points per term. 2017-18, 2018-19


**Partial Differential Equations**

MATH-GA 2500  Prerequisites: Introduction to PDE, MATH-GA 2490, and Real Variables, MATH-GA 2430. 3 points per term. 2017-18, 2018-19


**Advanced Partial Differential Equations**

MATH-GA 2510  Prerequisites: Partial Differential Equations MATH-GA2500, or the permission of the instructor. 3 points per term. 2017-18, 2018-19

Functional Analysis
MATH-GA 2550 Prerequisites: linear algebra, complex variables, and real variables.
3 points. 2017-18, 2018-19

Harmonic Analysis
MATH-GA 2563 Prerequisites: linear algebra, complex variables, and real variables.
3 points. 2017-18, 2018-19

Advanced Topics in Partial Differential Equations
MATH-GA 2610, 2620 3 points per term. 2017-18, 2018-19
Recent topics: extreme problems for elliptic eigenvalues; dynamics of the nonlinear Schroedinger equation; resonances in PDE; optimal transportation; viscosity solutions of PDE; fluid equations; math theory of water waves and nonlinear dispersive waves.

Advanced Topics in Analysis
MATH-GA 2650, 2660 3 points per term. 2017-18, 2018-19
Recent topics: random matrices; regularity theorem for free boundary problems; elliptic functions, sampling and quantization; Sobolev spaces and interpolation.

Numerical Analysis
Numerical Methods I, II
MATH-GA 2010, 2020 Corequisite: linear algebra. 3 points per term. 2017-18, 2018-19

Advanced Topics in Numerical Analysis
MATH-GA 2011, 2012 3 points per term. 2017-18, 2018-19
Recent topics: Monte Carlo methods; approximation theory and practice; fast algorithms; finite element methods; the immersed boundary methods for fluid-structure interaction; numerical optimization.

Advanced Numerical Analysis: Computational Fluid Dynamics
MATH-GA 2030 Prerequisites: familiarity with numerical methods and linear algebra. 3 points. 2017-18, 2018-19
Problems from applications such as gas dynamics, combustion, and oil reservoir simulation. Flows with shocks and discontinuities. Adaptive methods. Issues of algorithm design and computer implementation. Parallel computation.
Advanced Numerical Analysis: Nonlinear Optimization  
MATH-GA 2031  Prerequisites: knowledge of linear algebra and computer programming. 3 points. 2017-18, 2018-19  
Constrained and unconstrained optimization. Topics: Newton’s method and modifications, conjugate gradient and other methods suited to large, sparse systems, conditions of optimality; linear and quadratic programming.

Advanced Numerical Analysis: Finite Element Methods  
MATH-GA 2040  Prerequisites: elements of Hilbert space and theory of elliptic equations. 3 points. 2017-18, 2018-19  

Computing in Finance  
MATH-GA 2041  Prerequisite: basic C/C++ and Java programming. 3 points. 2017-18, 2018-19  
An integrated introduction to software skills and their applications in finance including trading, research, hedging, and portfolio management. Students develop object-oriented software, gaining skill in effective problem solving and the proper use of data structures and algorithms while working with real financial models using historical and market data.

Scientific Computing  
MATH-GA 2043  Prerequisites: multivariate calculus and linear algebra. Some programming experience recommended. 3 points. 2017-18, 2018-19  
Methods for numerical applications in the physical and biological sciences, engineering, and finance. Basic principles and algorithms; specific problems from various application areas; use of standard software packages.

Computational Methods for Finance  
MATH-GA 2045  Prerequisites: MATH-GA 2043 or MATH-GA 2020, and MATH-GA 2792. 3 points. 2017-18, 2018-19  
Computational methods for calibrating models; valuing, hedging, and optimizing portfolios; and assessing risk. Approaches include finite difference methods, Monte Carlo simulation, and fast-Fourier-transform-based methods.

Advanced Econometric Modeling and Big Data  
MATH-GA 2046  Prerequisites: Derivative Securities, Risk & Portfolio Management with Econometrics, and Computing in Finance (or equivalent programming experience). 3 points. 2017-18, 2018-19  
A rigorous background in Bayesian statistics geared towards applications in finance, including decision theory and the Bayesian approach to modeling, inference, point estimation, and forecasting, sufficient statistics, exponential families and conjugate priors, and the posterior predictive density. A detailed treatment of multivariate regression including Bayesian regression, variable selection techniques, multilevel/hierarchical regression models, and generalized linear models (GLMs). Inference for classical time-series models, state estimation...
and parameter learning in Hidden Markov Models (HMMs) including the Kalman filter, the Baum-Welch algorithm and more generally, Bayesian networks and belief propagation. Solution techniques including Markov Chain Monte Carlo methods, Gibbs Sampling, the EM algorithm, and variational mean field. Real world examples drawn from finance to include stochastic volatility models, portfolio optimization with transaction costs, risk models, and multivariate forecasting.

Data Science in Quantitative Finance
MATH-GA 2047  Prerequisites: Risk & Portfolio Management with Econometrics, Scientific Computing in Finance (or Scientific Computing) and Computing in Finance (or equivalent programming experience). 3 points. 2017-18, 2018-19
This is a full semester course focusing on practical aspects of alternative data, machine learning and data science in quantitative finance. Homework and hands-on projects form an integral part of the course, where students get to explore real-world datasets and software.

The course begins with an overview of the field, its technological and mathematical foundations, paying special attention to differences between data science in finance and other industries. We review the software that will be used throughout the course.

We examine the basic problems of supervised and unsupervised machine learning, and learn the link between regression and conditioning. Then we deepen our understanding of the main challenge in data science—the curse of dimensionality—as well as the basic trade-off of variance (model parsimony) vs. bias (model flexibility).

Demonstrations are given for real world data sets and basic data acquisition techniques such as web scraping and the merging of data sets. As homework each student is assigned to take part in downloading, cleaning, and testing data in a common repository, to be used at later stages in the class.

We examine linear and quadratic methods in regression, classification and unsupervised learning. We build a BARRA-style implicit risk-factor model and examine predictive models for county-level real estate, economic and demographic data, and macro economic data. We then take a dive into PCA, ICA and clustering methods to develop global macro indicators and estimate stable correlation matrices for equities.

In many real-life problems, one needs to do SVD on a matrix with missing values. Common applications include noisy image-recognition and recommendation systems. We discuss the Expectation Maximization algorithm, the L1-regularized Compressed Sensing algorithm, and a naïve gradient search algorithm.

The rest of the course focuses on non-linear or high-dimensional supervised learning problems. First, kernel smoothing and kernel regression methods are introduced as a way to tackle non-linear problems in low dimensions in a nearly model-free way. Then we proceed to generalize the kernel regression method in the Bayesian Regression framework of Gaussian Fields, and for classification as we

CLINICAL FACULTY


Sophie Marques, Clinical Assistant Professor. Ph.D. 2013, Université Bordeaux I and Università degli studi di Padova; Diploma in Master Research, Université Bordeaux I, 2010; Licence, Mathematics and Computers, Université de Pau et des Pays de l'adour, 2007. Optimization; interior-point methods; operations research.

Hesam Oveys, Clinical Assistant Professor. Ph.D. 2015, University of Missouri.


Mutia Sondjaja, Clinical Assistant Professor. Ph.D. 2014, Cornell; B.A. 2008, Harvey Mudd. Optimization; interior-point methods; operations research.

introduce Support Vector Machines, Random Forest regression, Neural Nets and Universal Function Approximators.

**Scientific Computing in Finance**

**MATH-GA 2048 Prerequisites: Risk and Portfolio Management with Econometrics, Derivative Securities, and Computing in Finance. 3 points.** 2017-18, 2018-19

This is a version of the course Scientific Computing (MATH-GA 2043.001) designed for applications in quantitative finance. It covers software and algorithmic tools necessary to practical numerical calculation for modern quantitative finance. Specific material includes IEEE arithmetic, sources of error in scientific computing, numerical linear algebra (emphasizing PCA/SVD and conditioning), interpolation and curve building with application to bootstrapping, optimization methods, Monte Carlo methods, and the solution of differential equations.

**Applied Mathematics and Mathematical Physics**

**Methods of Applied Mathematics**

**MATH-GA 2701 Prerequisites: undergraduate advanced calculus, ordinary differential equations, and complex variables. 3 points.** 2017-18, 2018-19


**Fluid Dynamics**

**MATH-GA 2702 Prerequisites: introductory complex variables and partial differential equations. 3 points.** 2017-18, 2018-19


**Partial Differential Equations for Finance**

**MATH-GA 2706 Prerequisites: MATH-GA 2901 and MATH-GA 2110. 3 points.** 2017-18, 2018-19

Time Series Analysis and Statistical Arbitrage
MATH-GA 2707  Prerequisites: MATH-GA 2043, MATH-GA 2791, and familiarity with basic probability. 3 points. 2017-18, 2018-19
An introduction to econometric aspects of financial markets, focusing on the observation and quantification of volatility and on practical strategies for statistical arbitrage.

Algorithmic Trading and Quantitative Strategies
MATH-GA 2708  Prerequisites: MATH-GA 2041 and MATH-GA 2751, or equivalent. 3 points. 2017-18, 2018-19
Development of a quantitative investment and trading framework: mechanics of trading in the financial markets, some typical trading strategies, modeling of high-frequency data; transaction costs and market impact models, portfolio construction and robust optimization, and optimal betting and execution strategies; simulation techniques, back-testing strategies, and performance measurement. Use of advanced econometric tools and model risk-mitigation techniques throughout the course.

Financial Engineering Models for Corporate Finance
MATH-GA 2709  Prerequisites: MATH-GA 2751 and MATH-GA 2791. 3 points. 2017-18, 2018-19
Advanced stochastic modeling applications. This course uses simulation as a unifying tool to model all major types of market, credit, and actuarial risks. Application of financial theory to the conceptualization and solution of multifaceted real-world problems.

Mechanics
MATH-GA 2710  3 points. 2017-18, 2018-19
The course provides a mathematical introduction to Hamiltonian mechanics, nonlinear waves, solid mechanics, and statistical mechanics—topics at the interface where differential equations and probability meet physics and materials science. For students preparing to do research on physical applications, the class provides an introduction to crucial concepts and tools; for students planning to specialize in PDE or probability the class provides valuable context by exploring some central applications. No prior exposure to physics is expected.

Risk and Portfolio Management with Econometrics
MATH-GA 2751  3 points. 2017-18, 2018-19
A mathematically sophisticated introduction to the analysis of investments. Core topics include expected utility, risk and return, mean-variance analysis, equilibrium asset pricing models, and arbitrage pricing theory.

Active Portfolio Management
MATH-GA 2752  Prerequisites: MATH-GA 2041 and MATH-GA 2751. 3 points. 2017-18, 2018-19
Theoretical aspects of portfolio construction and optimization, focusing on advanced techniques in portfolio construction and addressing the extensions to traditional mean-variance optimization—robust optimization, dynamical programming, Bayesian choice, and others. Econometric issues associated with
portfolio optimization, including estimation of returns, covariance structure, predictability, and the necessary econometric techniques to succeed in portfolio management are covered.

**Advanced Risk Management**
MATH-GA 2753  *Prerequisites: MATH-GA 2791 and MATH-GA 2041 or equivalent programming. 3 points. 2017-18, 2018-19*
Measuring and managing the risk of trading and investment positions: interest rate positions, vanilla options positions, and exotic options positions. The portfolio risk management technique of Value-at-Risk, stress testing, and credit risk modeling.

**Case Studies in Financial Modeling**
MATH-GA 2754  *Prerequisites: MATH-GA 2041 and MATH-GA 2792. 3 points. 2017-18, 2018-19*
Advanced topics in quantitative finance such as dynamic hedging, the volatility surface, local volatility and stochastic volatility models, jump-diffusions, volatility-dependent options; power-law tails and their consequences, behavioral finance.

**Project and Presentation**
MATH-GA 2755  *3 points. 2017-18, 2018-19*
Students in the Mathematics in Finance MS program conduct research projects individually or in small groups under the supervision of finance professionals. The course culminates in oral and written presentations of the research results.

**Regulation and Regulatory Risk Models**
MATH-GA 2757  *Prerequisites: Risk Management, Derivative Securities (or equivalent familiarity with market and credit risk models). 3 points. 2017-18, 2018-19*
The course is divided into two parts. The first addresses the institutional structure surrounding capital markets regulation. It will cover Basel (1, MRA, 2, 2.5, 3), Dodd-Frank, CCAR and model review. The second part covers the actual models used for the calculation of regulatory capital. These models include the Gaussian copula used for market risk, specific risk models, the Incremental Risk Calculation (single factor Vasicek), the Internal Models Method for credit, and the Comprehensive Risk Measure.

**Derivative Securities**
MATH-GA 2791  *Prerequisite: MATH-GA 2901. 3 points. 2017-18, 2018-19*

**Continuous Time Finance**
MATH-GA 2792  *Prerequisites: MATH-GA 2791 and MATH-GA 2901. 3 points. 2017-18, 2018-19*
Advanced option pricing and hedging using continuous time models: the martingale approach to arbitrage pricing; interest rate models including the Heath-Jarrow-Morton approach and short rate models; the volatility smile/skew and approaches to accounting for it.
Interest Rate and FX Models
MATH-GA 2798  Prerequisites: MATH-GA 2791, MATH-GA 2902, MATH-GA 2041. 3 points. 2017-18, 2018-19
The course is divided into two parts. The first addresses the fixed-income models most frequently used in the finance industry, and their applications to the pricing and hedging of interest-based derivatives. The second part covers the foreign exchange derivatives markets, with a focus on vanilla options and first-generation (flow) exotics. Throughout both parts, the emphasis is on practical aspects of modeling, and the significance of the models for the valuation and risk management of widely-used derivative instruments.

Securitized Products and Structured Finance
MATH-GA 2799  Prerequisites: Basic bond mathematics and bond risk measures (duration and convexity), Derivative Securities, and Stochastic Calculus. 1.5 points. 2017-18, 2018-19
This half-semester course will cover the fundamentals of Securitized Products, emphasizing Residential Mortgages and Mortgage-Backed Securities (MBS). We will build pricing models that generate cash flows taking into account interest rates and prepayments. The course will also review subprime mortgages, CDO’s, Commercial Mortgage Backed Securities (CMBS), Auto Asset Backed Securities (ABS), Credit Card ABS, CLO’s, Peer-to-peer / MarketPlace Lending, and will discuss drivers of the financial crisis and model risk.

Energy Markets
MATH-GA 2800  Prerequisites: Derivative Securities and Stochastic Calculus. 1.5 points. 2017-18, 2018-19
This half-semester course focuses on energy commodities and derivatives, from their basic fundamentals and valuation, to practical issues in managing structured energy portfolios. We develop a risk neutral valuation framework starting from basic GBM and extend this to more sophisticated multi-factor models. These approaches are then used for the valuation of common, yet challenging, structures. Particular emphasis is placed on the potential pitfalls of modeling methods and the practical aspects of implementation in production trading platforms. We survey market mechanics and valuation of inventory options and delivery risk in the emissions markets.

Advanced Topics in Equity Derivatives
MATH-GA 2801  Prerequisites: Derivatives Securities, Stochastic Calculus, and Computing in Finance (or equivalent programming experience). 1.5 points. 2017-18, 2018-19
This half-semester course will give a practitioner’s perspective on a variety of advanced topics with a particular focus on equity derivatives instruments, including volatility and correlation modeling and trading, and exotic options and structured products. Some meta-mathematical topics such as the practical and regulatory aspects of setting up a hedge fund will also be covered.
Market Microstructure
MATH-GA 2800  Prerequisites: Derivative Securities, Risk & Portfolio Management with Econometrics, and Computing in Finance (or equivalent programming experience). 1.5 points. 2017-18, 2018-19
This is a half-semester course covering topics of interest to both buy-side traders and sell-side execution quants. The course will provide a detailed look at how the trading process actually occurs and how to optimally interact with a continuous limit-order book market.

We begin with a review of early models, which assume competitive suppliers of liquidity whose revenues, corresponding to the spread, reflect the costs they incur. We discuss the structure of modern electronic limit order book markets and exchanges, including queue priority mechanisms, order types and hidden liquidity. We examine technological solutions that facilitate trading such as matching engines, ECNs, dark pools, multiple venue problems and smart order routers.

The second part of the course is dedicated pre-trade market impact estimation, post-trade slippage analysis, optimal execution strategies and dynamic no-arbitrage models. We cover Almgren-Chriss model for optimal execution, Gatheral’s no-dynamic-arbitrage principle and the fundamental relationship between the average response of the market price to traded quantity, and properties of the decay of market impact.

Homework assignments will supplement the topics discussed in lecture. Some coding in Java will be required and students will learn to write their own simple limit-order-book simulator and analyze real NYSE TAQ data.

Fixed-Income Derivatives: Models and Strategies in Practice
MATH-GA 2803  Prerequisites: Computing in Finance (or equivalent programming skills) and Derivative Securities (familiarity with Black-Scholes interest rate models). 1.5 points. 2017-18, 2018-19
This half-semester class focuses on the practical workings of the fixed-income and rates-derivatives markets. The course content is motivated by a representative set of real-world trading, investment, and hedging objectives. Each situation will be examined from the ground level and its risk and reward attributes will be identified. This will enable the students to understand the link from the underlying market views to the applicable product set and the tools for managing the position once it is implemented. Common threads among products—structural or model-based—will be emphasized. We plan on covering bonds, swaps, flow options, semi-exotics, and some structured products.

A problem-oriented holistic view of the rate-derivatives market is a natural way to understand the line from product creation to modeling, marketing, trading, and hedging. The instructors hope to convey their intuition about both the power and limitations of models and show how sell-side practitioners manage these constraints in the context of changes in market backdrop, customer demands, and trading parameters.
Credit Derivatives
MATH-GA 2804 Prerequisites: Derivate Securities and Computing in Finance (or equivalent familiarity with financial models and computing skills). 1.5 points. 2017-18, 2018-19
This half-semester course introduces the institutional market for bonds and loans subject to default risk and develops concepts and quantitative frameworks useful for modeling the valuation and risk management of such fixed income instruments and their associated derivatives. Emphasis will be put on theoretical arbitrage restrictions on the relative value between related instruments and practical applications in hedging, especially with credit derivatives. Some attention will be paid to market convention and related terminology, both to ensure proper interpretation of market data and to prepare students for careers in the field.

We will draw on the fundamental theory of derivatives valuation in complete markets and the probabilistic representation of the associated valuation operator. As required, this will be extended to incomplete markets in the context of doubly stochastic jump-diffusion processes. Specific models will be introduced, both as examples of the underlying theory and as tools that can be (and are) used to make trading and portfolio management decisions in real world markets.

Advanced Topics in Applied Mathematics
MATH-GA 2830, 2840 3 points per term. 2017-18, 2018-19
Recent topics: optimization and data analysis; quantifying uncertainties in complex turbulence systems; physics and mathematics of active matter; information theory and predictability; fast analysis based algorithms.

Advanced Topics in Biology
MATH-GA 2851, 2852 3 points per term. 2017-18, 2018-19
Recent topics: problems in cellular, molecular and neural biology; PDE in biology; math models of primitive organisms.

Advanced Topics in Mathematical Physiology
MATH-GA 2855, 2856 3 points per term. 2017-18, 2018-19
Recent topics: math aspects of neurophysiology; physiological control mechanisms; cardiac mechanisms and electrophysiology: nonlinear dynamics of neuronal systems neuronal networks

Advanced Topics in Fluid Dynamics
MATH-GA 2861, 2862 3 points. 2017-18, 2018-19
Recent topics: plasma physics; hydrodynamic stability; computational fluids; dynamics of complex and biological fluids; atomic modeling and computation.

Advanced Topics in Mathematical Physics
MATH-GA 2863, 2864 3 points per term. 2017-18, 2018-19
Recent topics: statistical mechanics of classical lattice systems; quantum computation; supersymmetry; quantum dynamics; hydrodynamical limit of nonreversible particle systems.
Geophysical Fluid Dynamics
MATH-GA 3001 3 points 2017-18, 2018-19
Introduction to the fundamentals of geophysical fluid dynamics. No prior knowledge of fluid dynamics will be assumed, but the course will move quickly into the subtopic of rapidly rotating, stratified flows. Topics to be covered include the advective derivative, momentum conservation and continuity, the rotating Navier-Stokes equations and non-dimensional parameters, equations of state and thermodynamics of Newtonian fluids, atmospheric and oceanic basic states, the fundamental balances (thermal wind, geostrophic and hydrostatic), the rotating shallow water model, vorticity and potential vorticity, inertia-gravity waves, geostrophic adjustment, the quasi-geostrophic approximation and other small-Rossby number limits, Rossby waves, baroclinic and barotropic instabilities, Rayleigh and Charney-Stern theorems, geostrophic turbulence.

Applied Math for Atmosphere-Ocean Science
MATH-GA 3002 3 points 2017-18, 2018-19
The aim of the lecture course is to provide a concise introduction to deterministic and stochastic methods of applied mathematics that is relevant to theoretical atmosphere ocean science. On the deterministic side this includes scaling, perturbation methods, and multi-scale techniques. On the stochastic side it includes the representation and analysis of simple random processes and an introduction to stochastic differential equations. This course will be supplemented with out-of-class instruction.

Ocean Dynamics
MATH-GA 3003 3 points 2017-18, 2018-19
Introduction to modern dynamical oceanography, with a focus on mathematical models for observed phenomena. The lectures will cover the observed structure of the ocean, the thermodynamics of sea-water, the equations of motion for rotating-stratified flow, and the most useful approximations thereof: the primitive, planetary geostrophic and quasi-geostrophic equations. The lectures will demonstrate how these approximations can be used to understand boundary layers, wind-driven circulation, buoyancy-driven circulation, oceanic waves (Rossby, Kelvin and intertio-gravity), potential vorticity dynamics, theories for the observed upper-ocean stratification (the thermocline), and for the abyssal circulation. Oceanic fluid instabilities and their resulting turbulence: mesoscale turbulence driven by baroclinic instability, convective turbulence and high-latitude sinking, and mixing across density surfaces due to shear-driven turbulence.

Atmospheric dynamics
MATH-GA 3004 3 points 2017-18, 2018-19
This lecture course offers a general overview of the physical processes that determine the state of the Earth atmosphere. The focus here is to describe the main features of the planetary circulation, and to explain how they arise as a dynamical response of the atmosphere to different external forcing such as solar radiation or topography. Students should have some knowledge in geophysical fluid dynamics before taking this course. Topics to be covered include: solar forcing, the mean-state of the atmosphere, Hadley and monsoonal circulations, dynamics of
the midlatitudes storm tracks, energetics, zonally asymmetric circulations, equatorial dynamics, and the interaction between moist convection and large-scale flow. Students will be assigned bi-weekly homework assignments and some computer exercises, and will be expected to complete a final project or exam, as per instructor’s decision. This course will be supplemented with out-of-class instruction.

**Advanced Topics in Atmosphere-ocean Science**
MATH-GA 3010, 3011  3 points per term. 2017-18, 2018-19
Recent topics: plasma physics; lab experiments in atmosphere-ocean science; information theory and dynamical system predictability; environmental fluid dynamics.

**Probability and Statistics**

**Basic Probability**
MATH-GA 2901  3 points. 2017-18, 2018-19

**Stochastic Calculus**
MATH-GA 2902  Prerequisite: MATH-GA 2901 or equivalent. 3 points. 2017-18, 2018-19
An application-oriented introduction to those aspects of diffusion processes most relevant to finance. Topics include Markov chains; Brownian motion; stochastic differential equations; the Ito calculus; the forward and backward Kolmogorov equations; and Girsanov’s theorem.

**Probability: Limit Theorems I, II**
MATH-GA 2911, 2912  Prerequisite: familiarity with the Lebesgue integral or real variables. 3 points per term. 2017-18, 2018-19
The classical limit theorems: laws of large numbers, central limit theorem, iterated logarithm, arcsine law. Further topics: large deviation theory, martingales, Birkhoff’s ergodic theorem, Markov chains, Shannon’s theory of information, infinitely divisible and stable laws, Poisson processes, and Brownian motion. Applications.

**Advanced Topics in Probability**
MATH-GA 2931, 2932  Prerequisite: MATH-GA 2901 or equivalent. 3 points per term. 2017-18, 2018-19
Recent topics: Gaussian fields and extrema of the Gaussian free field; random matrices; Markov chain analysis; statistical mechanics and the Riemann hypothesis; Schramm Loewner evolution.
Advanced Topics in Applied Probability
MATH-GA 2936  3 points. 2017-18, 2018-19
Recent topics: stochastic control and optimal trading in incomplete and inefficient markets; information theory and financial modeling; stochastic differential equations and Markov processes; quantitative investment strategies and hedge funds

Mathematical Statistics
MATH-GA 2962  Prerequisite: a working knowledge of probability at the undergraduate level. 3 points. 2017-18, 2018-19
Topics: large sample theory, minimum variance unbiased estimates, method of maximum likelihood, sufficient statistics, Neyman-Pearson theory of hypothesis testing, confidence intervals, regression, nonparametric methods.

Research

Independent Study
MATH-GA 3771, 3772, 3773, 3774  Prerequisite: permission of the department. 1-3 points. 2017-18, 2018-19

Advanced Practical Training
MATH-GA 3775, 3776  Prerequisite: permission of the department. 3 points. 2017-18, 2018-19
Students in the doctoral program in mathematics gain experience with practical uses of advanced mathematical tools, through relevant activity in a corporate, laboratory, or similar environment. This opportunity may be available to MS students; decisions are made on a case-by-case basis.

Master's Thesis Research
MATH-GA 3881  Prerequisite: permission of the thesis adviser. May not be repeated for credit. 2 points. 2017-18, 2018-19

Ph.D. Research
MATH-GA 3991, 3992, 3993, 3994, 3995, 3996, 3997, 3998  Open only to students who have passed the oral preliminary examination for the Ph.D. degree. Prerequisite: permission of the dissertation adviser. 1-3 points. 2017-18, 2018-19
PROGRAMS AND REQUIREMENTS

Master of Arts

There is no terminal Master of Arts degree in Middle Eastern and Islamic Studies. Those interested in a terminal degree in Middle East Studies should consult the Kevorkian Center for Near Eastern Studies.

However, students entering the PhD program with only a bachelor’s degree are to complete a Master of Arts degree, which consists of completing 32 points of course work, no more than 8 points of which may be transferred from other graduate schools. All students must take Problems and Methods in Middle Eastern and Islamic Studies, MEIS-GA 1687. Students must also either complete a master’s thesis that meets departmental standards or, with the approval of their adviser, submit two seminar papers, at least one of which contains substantial original research based on primary sources and both of which would, in the judgment of the student’s two master’s thesis/papers readers, have been developed and substantially reworked such that they are roughly equivalent in caliber to work that might reasonably be submitted for publication in a scholarly journal in the student’s field. The master’s thesis or the two papers must be discussed and approved in an oral defense that will include the two readers and the student. Requirements for the Master of Arts degree.

Doctor of Philosophy

Students must complete 72 points of graduate course work, including at least three graduate seminars and Problems and Methods in Middle Eastern and Islamic Studies, MEIS-GA 1687. They must also demonstrate proficiency in one of Arabic, Persian, or Turkish as well as a reading knowledge sufficient for research purposes of at least one European language. A student may be required by his or her dissertation adviser to learn additional languages, in keeping with the student’s specific research needs.

As early as possible in their graduate studies, students should choose two major fields and begin focusing their studies on them. Subject to the availability of faculty, major fields may include Islamic studies; ancient Egyptian history/language/culture; classical Arabic language and literature; modern Arabic language and literature; Persian language and literature; and Turkish language and literature. Students primarily interested in Middle Eastern history should see below for information about the joint Ph.D. program in history and Middle Eastern studies. By the end of their third year of graduate study, students should have taken and passed a written comprehensive examination in each of their two major fields. Students prepare
for these examinations by course work and by working through a reading list for each field under the supervision of the faculty member who will examine them; each examination will have a second reader as well. Each written comprehensive examination will be followed by an oral examination, administered by the two readers. Students who do not pass a major field examination may petition the department for permission to take it one more time.

After completing the major field requirements, the student should formulate a dissertation proposal, in consultation with his or her primary dissertation adviser as well as the faculty members on the student's dissertation committee. On completion of all course work and the fulfillment of all language requirements, the student must successfully defend the dissertation proposal, with the student's adviser and two other faculty members serving as examiners. The completed dissertation must conform to departmental and Graduate School of Arts and Science standards, be read and approved by the student's supervisor and two other faculty members, and be defended in a public oral defense in which those three readers and two additional examiners participate.

Joint Degree Doctor of Philosophy in History and Middle Eastern Studies

Students primarily interested in the history of the Middle East should seek admission to the joint Ph.D. program in history and Middle Eastern studies, in accordance with the procedures specified by the Departments of Middle Eastern and Islamic Studies and History.

Joint Ph.D. students must complete a total of 72 points, including Problems and Methods in Middle Eastern and Islamic Studies, MEIS-GA 1687. Joint program students must also take the methodology course Approaches to Historical Research and Writing I, HIST-GA 3603, required of all history doctoral students. Students must demonstrate proficiency in at least one Middle Eastern language, in accordance with the procedures prescribed by the Department of Middle Eastern and Islamic Studies, as well as a reading knowledge of at least one European language. A student may be required by his or her dissertation adviser to learn additional languages, in keeping with the student's specific research needs.

Students should begin defining the fields of historical study in which they wish to specialize as early as possible. Between their second and third year of full-time study, students must take and pass a comprehensive examination in each of two major fields of history. One field must be Middle Eastern; the other may be Middle Eastern or one of the other fields defined by the Department of History. Subject to the availability of faculty, Middle Eastern fields may include modern Middle Eastern history (1750–present), early modern Middle Eastern history (1200–1800), and early Islamic history (600–1200); other Middle Eastern history fields may be approved later. Each student’s choice of fields must be approved by the directors of graduate studies of both departments.

Zvi Ben-Dor Benite, Assistant Professor (History, Middle Eastern and Islamic Studies), Ph.D. 2000 (history), M.A 1997 (history), California (Los Angeles); B.A 1991 (east asian studies and history), Hebrew. World history; Chinese history; Islam in China; Islamic diasporas.

Sibel Erol, Clinical Professor. Ph.D. 1993 (comparative literature), M.A. 1981 (English literature), California (Berkeley); B.A. 1979 (English literature and linguistics), Bogazici (Istanbul). Turkish language; role of writing in teaching language; the uses of literature in language teaching; the novel; nationalism; modernism and postmodernism; women authors; masculinities; film.


Michael Gilsenan, David B. Kriser Professor of the Humanities; Professor (Middle Eastern and Islamic Studies, Anthropology); Director, Hagop Kevorkian Center. D.Phil. 1967 (social anthropology), Dip.Anth. 1964, B.A. 1963 (Arabic), Oxford. Anthropology of Arab societies; forms of power and hierarchy; urban studies; Arab diasporas in Southeast Asia; law, property, family and inheritance.

Hala Halim, Associate Professor (Middle Eastern and Islamic Studies, Comparative Literature). Ph.D. 2004 (comparative literature), California (Los Angeles); M.A. (English and comparative literature), American (Cairo); B.A. 1985 (English literature), Alexandria. Modern Arabic literature and culture.


The comprehensive examination in a Middle Eastern history field will be followed by an oral examination, administered by the two readers. Students who do not pass a comprehensive examination may petition for permission to take it one more time. Students preparing for an examination in any of the fields for which the Department of History prescribes “literature of the field” courses must take those courses. For Middle Eastern history fields, preparation for examinations in those fields may be done in formal “literature of the field” courses, if offered, or through reading courses arranged with faculty. In either case, students prepare for their examinations by course work in the field and by working through a reading list for the field under the supervision of the faculty member who will examine them; each examination will have a second reader as well.

After successfully completing his or her comprehensive examinations, the student should begin to formulate a dissertation proposal, in consultation with the student’s primary dissertation adviser. On completion of all course work and the fulfillment of all language requirements, the student must successfully defend the dissertation proposal, with the student’s adviser and two other faculty members serving as examiners. The completed dissertation must conform to departmental and Graduate School of Arts and Science standards, be read and approved by the student’s supervisor and two other faculty members, and be defended in a public oral defense in which three readers and two examiners participate.

COURSES

Required Course

Problems and Methods in Middle Eastern and Islamic Studies
MEIS-GA 1687  Required of all incoming M.A. and Ph.D. students. 4 points.
2017-18, 2017-18

Contemporary Literary and Media Arabic I, II
MEIS-GA 1005, 1006  Prerequisite: Advanced Arabic II or the equivalent. Ferhadi. 4 points per term. 2017-18, 2018-19

Advanced Arabic I, II
MEIS-GA 1112, 1113  Prerequisite: Intermediate Arabic II or the equivalent. Ferhadi. 4 points per term. 2017-18, 2018-19

Colloquial Arabic
MEIS-GA 1118  4 points per term. 2017-18

Translations and Comparatisms
MEIS-GA 1770  Halim. 4 points. 2017-18, 2018-19

Introduction to the Qu’ran
MEIS-GA 1609  Katz. 4 points. 2017-18, 2018-19

Nineteenth and twentieth-century cultural history and representation in the Ottoman State and Turkey, eugenics, transnational cultural policy, humanism, and forced migration.

Marion Holmes Katz, Professor. Chair of Middle Eastern and Islamic Studies. Ph.D. 1997 (near eastern languages and civilizations), Chicago; B.A. 1989 (near eastern languages and literatures), Yale. Islamic law, gender and ritual.

Arabic literature, medieval and modern; classical poetry; poetics; narrative fiction; Qur’anic exegesis.

Political economy of development; comparative politics of the Middle East (especially Iran and the Persian Gulf region).


Classical Islamic Literature of Ethics and Advice  
MEIS-GA 1708 Rowson. 4 points. 2017-2018  

Sexuality in Classical Arabic Texts  
MEIS-GA1116 Rowson, 4 points. 2017-2018  

Persian Language and Literature  
Advanced Persian: Contemporary Literature  
MEIS-GA 1415 4 points. Prerequisite: Intermediate Persian or the equivalent.  
2017-18, 2018-19  

Persian Literary Prose  
MEIS-GA 1416 Prerequisite: Intermediate Persian or the equivalent. 4 points.  
2017-18, 2018-19  

Turkish Language and Literature  
Turkish Literary Texts: Ottoman Historical Texts  
MEIS-GA 1512, 1513 Prerequisite: Intermediate Turkish or the equivalent. Erol.  
4 points per term. 2017-18, 2018-19  

Readings in Turkish Literature  
MEIS-GA 1513 Prerequisite: Intermediate Turkish or the equivalent. Erol.  
4 points per term. 2017-18, 2018-19  

Turkish Literary Texts: Modern Turkish Literature  
MEIS-GA 1514, 1515 Prerequisite: Intermediate Turkish or the equivalent. Erol.  
4 points per term. 2017-18, 2018-19  

Other Languages and Literature  
Advanced Urdu I, II  
MEIS-GA 1107, 1108 Naqvi. 4 points per term. 2017-18, 2018-19  

Middle Eastern History  
History of the Middle East, 1750-Present  
MEIS-GA 1642 Koyagi. 4 points. 2017-18  
Survey of the history of the Middle East from 1750 to the present.  

Topics in Medieval Islamic History  
MEIS-GA 1646 Staff. 4 points. 2017-18, 2018-19  

Classical Islamic Literature of Ethics and Advice  
MEIS-GA 1708 Rowson. 4 points. 2017-2018  

Modern Egypt  
MEIS-GA 1664 Lockman. 4 points. 2016-17
Modern Iran
MEIS-GA 1661 Kayagi. 4 points. 2018-19
History of Iran in the 19th and 20th centuries, focusing on the internal and
external forces that have helped shape modern Iranian history in its political,
economic, social, cultural, and religious dimensions.

Seminar in the History of the Modern Middle East
MEIS-GA 1654 Lockman. 4 points. 2017-18, 2018-19
Topics in the history of the modern Middle East.

Palestine and the Politics of History
MEIS-GA 1693 Lockman. 4 points. 2017-18, 2018-19
Issues and debates in the history and historiography of modern Palestine/Israel.

Middle Eastern and Islamic Cultures, Societies, and Economies

Islamic Law & Society
MEIS-GA 1852 Gilsenan. 4 points. 2017-18, 2018-19

Representing the Middle East: Issues in the Politics of Culture
MEIS-GA 1616 Shohat. 4 points. 2017-18, 2018-19

Anthropology for Middle Eastern Studies
MEIS-GA 1636 Gilsenan. 4 points. 2017-18, 2018-19
Assessment of the contribution of anthropological research to the study of
Middle Eastern history, politics, literature, and civilization.

Cities of the Middle East
MEIS-GA 1626 Gilsenan. 4 points. 2017-18

Arab Jews and the Writing of Memory
MEIS-GA 1735 Shohat. 4 points. 2017-18, 2018-19

Islamic Legal Theories
MEIS-GA 1851 Katz. 4 points. 2017-18, 2018-19

Political Economy of the Middle East
MEIS-GA 1612 Keshavarzian. 4 points. 2017-18, 2018-19

Women and Islamic Law
MEIS-GA 1854 Katz. 4 points. 2017-18, 2017-18
Islamic law and its treatment of women in theory and practice.

Transnational Middle East
MEIS-GA 1618 Keshavarzian 4 points. 2018-19

Islam and Modernity: Re-thinking Tradition, Cosmopolitanism, and
Democracy
MEIS-GA 1807 Mirsepassi. 4 points. 2017-18

ASSOCIATED AND
AFFILIATED FACULTY IN
OTHER DEPARTMENTS

Sinan Antoon, Gallatin School of
Individualized Study; K. Fleming, History,
Program in Hellenic Studies; Finbarr Barry
Flood, Art History; Michael Gomez, History;
Deborah Anne Kapchan, Performance
Studies; S. J. Pearce, Spanish and
Portuguese; Leslie Peirce, History.

FACULTY EMERITI

James Carse, Peter J. Chelkowski, Robert
McChesney, Mona Mikhail, Francis Peters.
Topics
MEIS-GA 1770 Various 4 points 2017-18, 2018-19
Previous topics include: “Forced Migration, Biopolitics, and the Cult of Memory,” “The 1923 Greco-Turkish Population Exchange,” “Drama in Syria,” “Gender, Sexuality, Modernity in the Middle East,” “The Political Economy of Premodern States,” “Approaches to Teaching Modern Arab Culture,” “Mediterraneanism in Literature and Culture,” “Translation and the “New” Arab Narrative,” “Middle East Media,” “Naguib Mahfouz: Narrative and World Literature,” “From the Middle East to the Far East,” “Social Life of Ethics,” “Borders and Borderlands”
PROGRAM IN
Museum Studies

PROGRAM AND REQUIREMENTS

Master of Arts

Applications for admission to the Master of Arts program are accepted from those who have received a bachelor's degree from an American college or university or those with international credentials that are equivalent to an American bachelor's degree.

The general test of the Graduate Record Examination(GRE) is recommended. For those who do not provide a report from the GRE general test, a writing sample is required. In addition, either TOEFL or the IELTS is required of all applicants who are not native English speakers or who do not have a bachelor's or master's degree from an institution where the language of instruction is English. Applicants must achieve a score of at least 100 on the Internet-based test of the Test of English as a Foreign Language (TOEFL), or a score of at least 7.5 on the IELTS test.

A strong academic record and evidence of commitment to museums and related institutions are important factors in obtaining admission. Acceptances are made in the fall semester to the Program in Museum Studies. Spring applications are considered if space remains available in the program. Please contact the program before applying. Special arrangements and collaborations accommodate visiting museum professionals, special students, and foreign scholars.

Applicants are encouraged to obtain further information and may arrange an interview by contacting the Program in Museum Studies, 212-998-8080, fax: 212-995-4185, e-mail: museum.studies@nyu.edu; or by writing to the Program in Museum Studies, New York University, 240 Greene Street, Suite 400, New York, NY 10003-6675.

The Master of Arts degree requires completion of 32 points, of which at least 24 must be within the Program in Museum Studies. Students must complete five core courses. Three core courses provide an understanding of the historical and theoretical ground of current museum practice, both nationally and internationally, History and Theory of Museums, MSMS-GA 1500; a focused introduction to the creation of exhibitions and the management of collections, Museum Collections and Exhibitions, MSMS-GA 1501; and a comprehensive account of the administrative, strategic, and financial aspects of museum management, Museum Management, MSMS-GA 1502. Students also enroll in the Museum Studies Research Seminar, MSMS-GA 3991; write an M.A. thesis; and enroll in Internship, MSMS-GA 3990, a project-based internship in a museum or appropriate cultural institution. Students must successfully complete Internship, MSMS-GA 3990, with a grade of B or better to receive the degree.
In addition to this broad grounding, students take four electives related to their particular interests: at least two courses in museum studies, and, if the student so chooses, one or two courses within a discipline connected to the sort of museum in which the student intends to work (history, anthropology, art history, etc.). The M.A. program must be completed within five years of admission.

Advanced Certificate

Applications for admission to the advanced certificate program are accepted from those who already have a master’s or doctoral degree in hand or who are currently applying to, have been accepted into, or are enrolled in a graduate program at New York University or another highly reputed university. Admission to the advanced certificate program is contingent on acceptance and enrollment in a master's or doctoral program. In order to be awarded the advanced certificate, students must complete both the Program in Museum Studies and their graduate degree requirements.

The general test of the Graduate Record Examination (GRE) is recommended. For those who do not provide a report from the GRE general test, a writing sample is required. In addition, either the TOEFL or the IELTS is required of all applicants who are not native English speakers or who do not have a bachelor's or master's degree from an institution where the language of instruction is English. Applicants must achieve a score of at least 100 on the Internet-based test of the Test of English as Foreign Language (TOEFL), or a score of at least 7.5 on the IELTS test.

Admission to the program is granted independently of admission to another graduate department, and applicants are notified separately. Acceptances are made in the fall semester to the Program in Museum Studies. Spring applications are considered if space remains available in the program. Please contact the program before applying.

Students in the 24-point advanced certificate program are responsible for completion of museum studies certificate requirements as well as the master’s or doctoral requirements of their degree-granting departments. A maximum of two courses or 8 points of the 24 points required to complete the certificate may be counted toward the M.A. or Ph.D. by participating departments.

The advanced certificate curriculum comprises five core courses and two electives. The core courses are History and Theory of Museums, MSMS-GA 1500, Museum Collections and Exhibitions, MSMS-GA 1501, Museum Management, MSMS-GA 1502, Internship, MSMS-GA 3990, and Research Seminar, MSMS-GA 3991. Students must successfully complete Internship (MSMS-GA 3990) with a grade of B or better to receive the certificate. Electives may be chosen either from the museum studies curriculum or from course offerings cross-listed from other departments. The advanced certificate program must be completed within three years of admission.

Marissa H. Petrou, Faculty Fellow. Ph.D. 2016 (history), UCLA; M.A. 2009 (history), UCLA; B.A. 2005 (history and German language and literature), Northwestern University. History of science, technology and medicine; history of collections and display; museums and empire; visual and material culture of science; history of race and ethnicity in the arts and social sciences.

Glenn Wharton, Clinical Associate Professor. Ph.D. 2005 (conservation/archaeology), University College London; M.A. 1981 (art conservation), SUNY (Oneonta); B.A. 1977 (art history/combined social sciences), California (Santa Barbara). Conservation of contemporary art, history and philosophy of conservation, community programming in museums focusing on social justice issues.

ADJUNCT FACULTY

Ruth Cohen, Adjunct Assistant Professor. B.A. 1979, SUNY at Binghamton. Senior Director, Education Strategic Initiatives and Director, Center for Lifelong Learning, American Museum of Natural History (AMNH), New York.

William B. Crow, Adjunct Assistant Professor. Ph.D. 2017 (cognitive science), Columbia; M.S.Ed. 2009 (leadership in museum education), Bank Street College; M.F.A. 1999 (painting and combined media), Hunter College; B.A. 1995 (romance languages and studio art), Wake Forest. Educator in Charge, The Metropolitan Museum of Art, New York.


COURSES

Required Courses

History and Theory of Museums
MSMS-GA 1500 Flouty, Petrou. 4 points. 2017-18, 2018-19
Introduction to the social, cultural, and political history of museums. This course focuses on the formation of the modern museum with an emphasis on the US context. Museums of Natural History, Anthropology, Science, Technology, History, and Art will be addressed from a variety of disciplinary approaches that explore the institution and its practices with respect to governance, colonialism, nationalism, class, gender, ethnicity, and community. Weekly visits to New York museums are required, along with frequent reading response papers, an exhibition review, and a final paper.

Museum Collections and Exhibitions
MSMS-GA 1501 Gear. 4 points. 2017-18, 2018-19
Introduction and practical guide to the policies, procedures and current debates in museum collections and exhibition management. The instructor and guest speakers cover the following topics: mission statements, collection policies, documentation, assessment, conservation, storage, exhibition management, curating, interpretation and budgeting. Course requirements include two individual papers and two group projects.

Museum Management
MSMS-GA 1502 Cohen, Warwick. 4 points. 2017-18, 2018-19
Overview of management, finance, and administration. Topics covered include organizational structure and the roles and relationships of museum departments; operational issues, including security and disaster planning; museum accounting and finance, including operating and capital expense budgeting; leadership and strategic planning; and legal and ethical issues facing museums.

Internship
MSMS-GA 3990 Required of all M.A. and advanced certificate candidates. Flouty. 2 points. 2017-18, 2018-19
M.A. and Advanced Certificate students spend a minimum of 200 hours over one or more semesters in a project-oriented internship at a museum or other suitable institution. A daily log, evaluations, and progress report are required.

Research Seminar
MSMS-GA 3991 Required of all M.A. and advanced certificate candidates. Basilio, Petrou, Wharton. 2 points. 2017-18, 2018-19
This course includes candidates for both the Advanced Certificate and the M.A. in Museum Studies. The class is designed to help students identify a research question, navigate relevant primary and secondary sources, and produce a well-written, well-organized research paper at the end of the term. For those in the Advanced Certificate program, the course will focus on a final 30-page (double-spaced) Museum Studies research paper. M.A. students will focus on writing an introduction and one chapter of a master’s thesis.
The research seminar provides students with a collective structure and series of deadlines as they develop individual research projects. Students will be responsible for their own research and writing, as well as thoughtful reading and comments in writing groups.

**Electives**

**Topics in Museum Studies**
MSMS-GA 3330 4 points. 2017-18, 2018-19
Current issues in the museum profession and the interdisciplinary study of museums. Outside museum scholars, specialists, and university faculty offer in-depth examination of topics. Among the topics offered in recent years have been: Anthropology of Museums; Exhibition History; Curating as Collaboration; Blockbusters and Building Booms; Museums and Political Conflict; Heritage, Memory, and Negotiating Temporalities; Museums and the Law; Challenges for Art Museum Curators Today; Museums and Community, and The Museum Life of Contemporary Art. Practicums with hands-on components also are offered periodically under this course number. (Refer to the current course schedule for particular seminars offered in each academic year.)

**Research in Museum Studies**
MSMS-GA 3915 1-4 points. 2017-18, 2018-19
Independent research on a topic determined in consultation with the program director.

**Development, Fund-Raising, and Grantsmanship: Funding the 21st Century Museum**
MSMS-GA 2221 Warwick. 4 points. 2017-18, 2018-19
In the 21st century museums worldwide need creative fundraising to survive. This course provides a comprehensive overview of museum fundraising practices and an introduction to the skills and processes necessary for effective fundraising. Focusing in particular on the funding environment in the USA—but referencing other international models—topics covered include an overview of sources of funding and types of fundraising (capital campaign; planned giving; benefit events etc.) and a survey of procedures for identifying available funds. Invited guests from a range of museum environments will discuss examples of successful fundraising. Students will complete various examples of fundraising approach (individual solicitations and grant requests, for example) and a comprehensive fundraising strategy for a museum project of their choice.

**Conservation and Collections Management**
MSMS-GA 2222 Wharton. 4 points. 2017-18, 2018-19
As an introduction to museum conservation and collections management, this seminar combines classroom discussion and museum visits to provide an understanding of the material concerns and underlying values that drive collections care decisions. It is designed to give students the tools to think critically about collections management and conservation processes. The seminar covers many core functions of museum practice, from acquisition, exhibition, and
storage to disaster preparation and recovery. It includes preventive conservation measures to manage the museum environment and technical research to date and authenticate museum objects. The seminar also addresses concerns of living artists, indigenous groups and others with claims to the disposition and care of cultural materials. Course readings cover the historical and philosophical values that shape the field of conservation, and technical information needed to make conservation and collections management decisions. Students perform condition assessments, and conduct research leading to short writing assignments and a term paper.

**Historic Sites, Cultural Landscapes, and the Politics of Preservation**  
MSMS-GA 2223  *Petrou. 4 points. 2017-18, 2018-19*

This course will examine the cultural politics that influence reuse of historic spaces for museums and other public purposes. Through course readings, site visits and individual archival research, students will explore sites ranging from historic houses and period rooms presented as museum installations to restored villages and communities to dramatic reuse of historic space for cultural tourism. Students will pay particular attention to the social and political contexts in which original use and subsequent reuse took place, and analyze primary documents that illustrate both motivations and strategies for interpretation.

**Museum Education**  
MSMS-GA 2224  *Crow. 4 points. 2017-18, 2018-19*

This seminar provides an overview of the field of museum education in the context of the institution’s relationship with constituent communities, with application to a broad range of audiences. Among the topics to be considered are teaching from objects, learning strategies, working with docents and volunteers, program planning, and the educational use of interactive technologies.

**Museums and Interactive Technologies**  
MSMS-GA 2225  *Flouty. 4 points. 2017-18, 2018-19*

This course presents a survey and analysis of museum use of interactive technologies. Among the topics discussed in detail are strategies and tools for collections management, exhibitions, educational resources and programs, Web site design, digitization projects, and legal issues arising from the use of these technologies. Each student develops an interactive project in an area of special interest.

**Exhibition Planning and Design**  
MSMS-GA 3332  *Gallagher. 4 points. 2017-18, 2018-19*

This course focuses on the planning, development, and design of exhibitions, permanent, temporary, and traveling. It is a participatory class where students learn basic exhibition design techniques, including spatial layouts and the use of graphics, audiovisual aids, lighting, colors, materials, and fabrication methods. There are visits to designers to discuss their work and to museums to analyze exhibition design techniques. Individual student projects provide hands-on experience.
Museums and Contemporary Art  
MSMS-GA 3335  Altshuler. 4 points. 2017-18, 2018-19

This course investigates historical, theoretical, and practical aspects of the collecting and exhibiting of contemporary art in museums. Topics include curatorial strategies for exhibition and collection development, biennialism, the art market, conservation issues, artworks that take the museum as subject, museums and social activism, and conflicts of interest that arise for museum staff and trustees. A familiarity with international contemporary art is required. Assignments include two short essays, class presentations, and a final paper.
PROGRAMS AND REQUIREMENTS

Doctor of Philosophy

Admissions: For students interested in Music Theory/Composition two or three music samples that demonstrate recent work are required. For notated music examples, a recording should be included. Submitted samples may include electroacoustic or multimedia works, in which case there is typically no score. A short writing sample of 5-15 double-spaced pages, on any musical topic, is also required. It is preferred that you submit recordings and musical scores by using a URL to point to an online collection of your materials. Please refer to the instructions at gs.as.nyu.edu/admissions/gsas-application-resource-center/application-and-instructions. If you are unable to make electronic versions of the material available, please contact the Music Department directly at the e-mail address fas.music@nyu.edu.

For students interested in Ethnomusicology or Historical Musicology, one or two written papers, double-spaced, that demonstrate analytical and writing abilities are required. These will play a major role in the admission decision.

Requirements: All graduate students in the Department of Music are enrolled for the Ph.D. degree and take a total of 72 points of course work. All graduate students receive funding through the MacCracken program, and are required to maintain full-time status over the duration of their support—in most cases for five years. Full-time status means the following: (1) While enrolled in classes, a student must be registered for 24 points each year. Ordinarily, these 24 points are distributed evenly over the fall and spring semesters. Foreign students holding student visas must register for 12 points each semester; if for some reason they register for fewer points, the department must officially confirm their full-time status to the Office of Global Services (OGS); (2) Although not encouraged to do so, a student may carry a reduced course load of 8 points of course work during the semester preceding the general examination; (3) During the final year of course work, a student may, if she or he no longer has 24 points of work remaining, take a reduced load equal to the number of points still to be completed for the Ph.D; (4) A student who has completed all course work for the Ph.D. and who is no longer being supported under the MacCracken program must maintain matriculation for each semester in order to retain full-time status. This requires formal registration, as though for a course.

The specialization in Historical Musicology is intended to familiarize students with the modes of thought and research techniques in that discipline. Students should expect to develop skills in document study, archival research, analysis, editing, the study of performance and performance practices, historiography, and...
recent critical approaches such as genre, gender, and reception studies. The 36 points of course work taken before the general examination typically include the following recommended courses: Introduction to Musicology, MUSIC-GA 2101, Ethnomusicology: Theory and History, MUSIC-GA 2136, one other graduate course from the department, and a course in the humanities or social sciences (approved by the director of graduate studies and the student’s adviser). Students should choose the remaining courses from a range of repertoires and critical perspectives.

The Ethnomusicology specialization at NYU emphasizes critical and experimental approaches to the anthropology of sound. While this area assigns central importance to ethnography, we are resolutely interdisciplinary, incorporating methodologies and theoretical orientations from fields throughout the humanities and social sciences. Our broad definition of ethnomusicology allows us to engage with issues of perennial concern to the discipline (e.g., representation, identity, memory, nationalism, diaspora, indigeneity, place/space, performativity, listening practices, power, ethics) as well as with less conventional sets of questions that are emerging from sound studies, psychoacoustics, trauma studies, science and technology studies, and other hybrid fields. This commitment to seeking out new and flexible avenues of inquiry is grounded by our shared interest in producing analyses that combine close attention to sonic detail with a heightened awareness of the ways people make, disseminate, and consume music. While we support ethnographic projects in all possible contexts, our students hone their research skills within the complex environment of New York City and grapple with the production and circulation of “local” knowledges in densely populated areas that are shot through with transnational flows and disjunctures. We are highly selective, accepting one or two students each year in order to maintain excellent advising, funding, matriculation, and job placement. We regard our graduate students as colleagues and collaborators, and work to engage them in joint teaching, research, and publication projects. The ethnomusicology specialization is conceptualized in profound interrelationship with other areas of study in the department and departments in the University. Typical course work recommended for ethnomusicology includes the following, Introduction to Musicology, MUSIC-GA 2101, Ethnomusicology: Theory and History, MUSIC-GA 2136, Field Methods, one other graduate course from the department, and a course in the humanities or social sciences (approved by the director of graduate studies and the student’s adviser).

The specialization in Composition and Theory is designed to provide training through original creative work, theoretical and analytical study, and readings pertaining to issues particularly germane to music of the 20th and 21st centuries. Students explore techniques of 21st-century music composition and develop expertise in areas of contemporary musical thought, aesthetics, and philosophy. The department’s computer music studio is an integral part of the composition specialization. Students receive regular performances of their compositions by professional New York City musicians in department-sponsored concerts. Additionally, concerts are presented by the graduate student-run organization, First Performance, and by the department’s professional series, the Washington Square Contemporary
Music Society. Groups performing student works at NYU in recent years have included the International Contemporary Ensemble (ICE), Argento, the Talea Ensemble, TimeTable, and the JACK and Mivos String Quartets. In addition to its full-time faculty, the department has offered semester-long seminars in composition and theory taught by distinguished visitors. Recent guests have included Helmut Lachenmann, Chaya Czernowin, Maria de Alvear, and Joan Tower, among others. Recommended course work typically is comprised of the following: Five semesters of Techniques of Music Composition, MUSIC-GA 2162, Introduction to Musicology, MUSIC-GA 2101, Ethnomusicology: Theory and History, MUSIC-GA 2136, and additional courses in music theory, analysis and scholarship.

Students are expected to be in good academic standing at all times. In the Department of Music, “good academic standing” means the following: (1) a grade point average of 3.5 or better; (2) no more than two grades lower than B over the course of the student’s career, and no grades of F; (3) no more than two grades of Incomplete over the course of the student’s career; (4) passage of the general examination and satisfaction of other degree requirements in a timely manner, as described in this bulletin and on the department’s Web site. Students who fail to meet the criteria for good academic standing may be placed on academic probation for up to one semester, during which time they can work with the director of graduate studies and other faculty to resolve their academic difficulties. Students on probation who do not return to good academic standing by the end of the probationary semester risk termination of their fellowship.

Language Examinations: Students must demonstrate reading competency in one modern language by passing a written examination administered by the department before taking the comprehensive examination. Between the comprehensive examination and the dissertation proposal defense, students must demonstrate reading knowledge in a second language (students in composition are exempted from this requirement). Students are expected to select a second language appropriate to their research topic. Ordinarily, students will have passed the second language examination by no later than the third year of study. No student in musicology or ethnomusicology may advance to candidacy without having passed the second language exam.

Comprehensive Examination: The comprehensive examination tests the student’s knowledge of all major aspects of the field. Students are expected to display sophisticated skills in dealing with intellectual problems and should be able to create and support thoughtful lines of argument from a wide range of evidence. Those specializing in historical musicology should demonstrate a thorough general knowledge of Western musical history, of Western music’s changing styles, and of current issues in the discipline. Students are expected to cite and discuss recent musicological writing and to advance and support coherent arguments about major issues in response to the questions posed on the examination. Those specializing in ethnomusicology should demonstrate an understanding of the history of the discipline, its theories and principal ethnographies, and major musical cultures. Students specializing in composition and theory are expected to be familiar with the principal composers and compositional models of the last century and to be able to handle problems
of practical analysis. Whatever their field of specialization, students are also expected to have a basic knowledge of the other fields of music scholarship and to incorporate this knowledge into their examination responses. Preparation for the examination should therefore include independent study of both repertoire (with extensive listening and analysis as appropriate) and scholarly writing about music.

Dissertation Proposal, and Advancement to Candidacy: During the third or fourth year of study, students should select a principal adviser for the dissertation and, in consultation with their adviser, should select two other faculty to form a dissertation committee. One member of the committee may come from outside the department, or, more rarely, from outside the University. Students should develop a dissertation project in close consultation with the committee they have chosen. Ordinarily, this work should be sufficiently developed to allow students to defend their dissertation proposal by sometime in their fourth year of study.

Students develop a dissertation proposal in consultation with their committee and present it to that committee during their oral examination. Lasting from one to two hours, this examination will probe the student’s competence in the planned field of research, in related fields, and in current methodological and theoretical approaches to the dissertation topic. Students should expect that the committee may require substantial revisions of their proposal and/or additional work. Students who pass this oral examination on their dissertation proposal will be approved to begin work immediately on the dissertation.

The dissertation proposal should succinctly state: (1) the research question to be studied; (2) how the question relates to existing scholarship; (3) the methods to be used (e.g., approaches to fieldwork, analytical techniques, theoretical framework); (4) how the dissertation will contribute to knowledge of the field; and (5) the main elements of a working bibliography. In some cases, chapter outlines will be required.

For students specializing in composition, the dissertation will be one or more compositions of significant proportions accompanied by a thesis. In their dissertation proposal, composers must include a brief description of the intended composition(s), and they should discuss scoring, any texts to be set, and the planned structure and size. Additionally, they should discuss the thesis as described above.

Dissertation Defense: The completed dissertation will be defended in a public oral examination to be administered by a committee of five faculty. This defense will follow rules established by the Graduate School of Arts and Science. Ordinarily, the examining committee will consist of the three-member committee that advised the dissertation and two additional faculty who are appointed by the director of graduate studies in consultation with the student and principal adviser. The examining committee must include at least three members of the Arts and Science faculty. At least three committee members must approve the dissertation prior to the scheduling of the defense. The dissertation must be distributed to all members of the committee at least a month before the scheduled defense. At least four of the five members of the examining committee must vote to approve the dissertation's oral defense.
COURSES

Collegium Musicum
MUSIC-GA 1001, 1002  Panofsky. May be repeated for credit. 2 points. 2017-18, 2018-19
Performance ensemble concentrating on the music of pre- and early-modern Europe and on neglected works or genres from other periods.

Introduction to Musicology
MUSIC-GA 2101  Cusick, Beckerman, Cohen. 4 points. 2017-18, 2018-19
Proseminar in current research methodology and musicological thought. Topics discussed include techniques for the examination of primary source materials; principles of musical text criticism and editing; and current issues in musicological thought.

Ethnomusicology: History and Theory
MUSIC-GA 2136  Daughtry, Mahon, Samuels, Dang. 4 points. 2017-18, 2018-19
A broad intellectual history of the discipline, surveying landmark studies and important figures. Examines major paradigms, issues, and frameworks in ethnomusicology. The relation of ethnomusicology to other disciplines and the relations of knowledge and power that have produced them. Serves as an introduction to the field of ethnomusicology.

Techniques of Music Composition
MUSIC-GA 2162  Hoffman, Karchin, Oliver. May be repeated for credit. 4 points. 2017-18, 2018-19
Examination of techniques of music composition as they are applied to the creation of musical works. Compositional practice is studied and evaluated both from the standpoint of craft and aesthetics. Students create compositions, and works are performed in public concerts.

Computer Music Composition
MUSIC-GA 2165  Hoffman, Oliver. 4 points. 2017-18
Code-based and graphic-user-interface languages for digital signal processing and event processing. Filtering, analysis/resynthesis, digital sound editing, granular synthesis. Study of computer music repertoire of past 20 years.

Musical Ethnography
MUSIC-GA 2166  Daughtry, Mahon, Samuels, Dang. 4 points. 2017-19
Pragmatic instruction in field and laboratory research and analytical methods in ethnomusicology. Emphasizes the urban field site. Topics include research design, fieldwork, participant observation, field notes, interviews and oral histories, survey instruments, textual analysis, audiovisual methods, archiving, urban ethnomusicology, applied ethnomusicology, performance as methodology and epistemology, and the ethics and politics of cultural representation. Students conceive, design, and carry out a limited research project over the course of the semester.
Special Studies
MUSIC-GA 2198, 2199  All faculty. May be repeated for credit with a changed topic.
4 points. 2017-18, 2018-19
A substantial proportion of doctoral seminars are offered each year under this heading. Recent course topics have included Aurality; New Media: Gesture, Sound, and Image Interactions; Music and the Construction of Race; Music in Cold-War New York; Feminist and Queer Historiography/Music; Genre and Popular Music; Musical Modernities, Modernisms and Avant-gardes; and the Ethics of Musical Marginality in the 20th Century, Contemporary Opera, and Contemporary Orchestration.

Reading and Research
MUSIC-GA 3119, 3120  All faculty. May be repeated for credit. 1-4 points.
2017-18, 2018-19
Independent study with a faculty supervisor. Must have the approval of the director of graduate studies and the proposed supervisor.
PROGRAMS AND REQUIREMENTS

Master of Arts in Near Eastern Studies

The program has three elements: (1) a coherent sequence of courses on the region, totaling 40 points; (2) a demonstrated ability in one modern language of the area; and (3) a master’s thesis or report written under the supervision of an adviser. The program includes an optional internship course. The degree can be completed in two years (four semesters) of full-time study; students may also, with the approval of the Director of Graduate Studies, study part-time.

Course of Study: The 40 points of course work include two required courses and a distribution requirement. The required courses are Problems and Methods in Middle Eastern and Islamic Studies, MEIS-GA 1687, and History of the Middle East, 1750-Present, MEIS-GA 1642 or, with the approval of the director, an advanced history seminar. Students select the remaining eight courses according to their individual research interests, in consultation with the Director of Graduate Studies. The distribution requirement consists of at least one course each from two of the following disciplines: anthropology, economics, politics, and sociology.

Language Requirement: To complete the degree, students must demonstrate proficiency at the upper-intermediate level in Arabic, Hebrew, Persian, or Turkish. (Other languages may be considered as meeting this requirement with the approval of the Director of Graduate Studies.) Students with no language background may satisfy the requirement by completing four semesters (16 points) of language training at NYU; however, only two of those semesters (8 points of undergraduate language credits) may be counted toward the degree. Students who have prior language training or who take an intensive language course in the summer following their first year may satisfy the requirement by testing at an upper intermediate level of proficiency or by enrolling in an advanced class. Native speakers with fluency in reading, writing, listening, and speaking may waive this requirement with the permission of the Director of Graduate Studies. The program encourages all students to pursue language training through the advanced (graduate) level.

Master’s Thesis or Report: The master’s thesis should generally have the format, style, and length of a substantial scholarly article in a Middle Eastern studies field. Alternatively, it can have the format and style of a professional report, with a length and substance similar to a scholarly article. In either case, it must present the author’s own research and relate this to existing scholarly understandings of the topic or field. Students should begin discussing possible topics for the thesis or report by the end of their first year and should select a topic and an adviser, in consultation with the Director of Graduate Studies, before the end of their third year.
semester. Students are encouraged to conduct research on their topic during the summer following their first year.

**Internships:** The internship program draws on the resources of New York City as a center of international politics and culture. Internships provide practical training in the kinds of research and report writing required for careers in public and nongovernmental service, policy research, cultural affairs, and political advocacy. The internship program enables students to make professional contacts in fields they are interested in joining and to share their skills with organizations as they explore a particular field or issue. Organizations providing internships include (but are not limited to) human rights organizations, United Nations agencies and missions, media organizations, policy research groups, and other nongovernmental organizations. The internship involves 10-15 hours of work per week during one semester. Students receive up to 4 points toward the degree by registering for Internship, NEST-GA 2996. They must submit weekly progress reports on their internship project as well as mid- and end-of-semester reports.

**Concentration in Museum Studies:** The Master of Arts program in Near Eastern studies with a concentration in museum studies is designed for those who intend to pursue careers in museums and cultural organizations and for those currently employed in the field who wish to acquire formal training. The program combines a comprehensive knowledge of the contemporary theory and practice of museum work with a substantive curriculum in Near Eastern studies. It offers individualized internships in a wide variety of museums, cultural organizations, and nonprofit institutions in the United States and abroad.

Students must complete 48 points of course work (32 points of Near Eastern studies, including up to 8 points of language, and 16 points of museum studies), an internship in a museum or cultural institution, and a master’s essay based on the student’s combined study and internship. The course and language requirements for Near Eastern studies are identical to the requirements for the Master of Arts as listed above. Museum studies requirements for all students in this program include two courses selected from History and Theory of Museums, MSMS-GA 1500, Museum Collections and Exhibitions, MSMS-GA 1501, and Museum Management, MSMS-GA 1502, as well as Internship, MSMS-GA 3990, and Research Seminar, MSMS-GA 3991. The remaining 8 points are elective courses. Consult the Program in Museum Studies section of this bulletin for course offerings and additional information.

**Business Track:** The Master of Arts program in Near Eastern studies with a business track prepares students to work in organizations that require research on business and finance in the Middle East. Graduate business courses for the degree are offered through NYU’s Leonard N. Stern School of Business. Students are advised by the Director of Graduate Studies at the Kevorkian Center.

The required 40 points of course work generally consists of 25 points in Near Eastern studies (the two required courses and 17 points of electives, including the two-course distribution requirement), and 15 points of business courses. Students in the Business Track must also write a thesis or final report that combines their

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**AFFILIATED FACULTY IN OTHER NYU DEPARTMENTS**

**MODERN MIDDLE EAST**

- **Ismail Al-Atas**, Middle Eastern And Islamic Studies; **Sinan Antoon**, Gallatin School of Individualized Study; **Mohamad Bazzi**, Journalism; **Zvi Ben-Dor Benite**, Middle Eastern and Islamic Studies; **Guy Burak**, Middle Eastern and Islamic Studies; **Paula Chakravarty**, Media, Culture, Communications and the Gallatin School for Individualized Study; **Martin Daughtry**, Music; **David Engel**, Hebrew and Judaic Studies; **Sibel Erol**, Middle Eastern and Islamic Studies; **Yael Feldman**, Hebrew and Judaic Studies; **Ahmed Ferhadi**, Middle Eastern and Islamic Studies; **Katherine Fleming**, History; **Jeff Goodwin**, Sociology; **Bruce Grant**, Anthropology; **Hala Halim**, Middle Eastern and Islamic Studies, Comparative Literature; **Asli Igsiz**, Middle Eastern and Islamic Studies; **Natasha Iskander**, Public Policy; **Rosalie Kamelhar**, Hebrew and Judaic Studies; **Deborah Anne Kapchan**, Performance Studies; **Arag Keshavarzian**, Middle Eastern and Islamic Studies; **Aisha Khan**, Anthropology; **Mehdi Khorrrami**, Middle Eastern and Islamic Studies; **Masha Kirasirova**, NYU Abu Dhabi; **Mikiya Koyagi**, NYU Abu Dhabi; **Zachary Lockman**, Middle Eastern and Islamic Studies; **Pascal Menoret**, NYU Abu Dhabi; **Ali Mirsepassi**, Gallatin School of Individualized Study; **M. Ishaq Nadiri**, Economics; **Leslie Peirce**, Middle Eastern and Islamic Studies; **Asli Peker**, Politics; **Nathalie Peutz**, NYU Abu Dhabi; **Maurice Pomerantz**, NYU Abu Dhabi; **Prager Jonas**, Economics; **Sara Pursley**, Middle Eastern and Islamic Studies; **Barnett Rubin**, Politics; **Kostis Smyrlios**, History; **Ella Shohat**, Middle Eastern and Islamic Studies, Art and Public Policy (Tisch School of the Arts); **Nader Uthman**, Middle Eastern and Islamic Studies; **Peter Valenti**, Liberal Studies; **Shouleh Vatanabadi**, Liberal Studies; **Muserref Yetim**, International Relations; **Ted Ziter**, Drama; **Ronald Zweig**, Hebrew and Judaic Studies.
interest in the Middle East and in Business and Finance. The final project may be completed in conjunction with an approved internship. Recommended courses include: Statistics and Data Analysis, COR1-GB 1305, Financial Accounting and Reporting, COR1-GB 1306, Understanding Firms and Markets, COR1-GB 1303, The Global Economy, COR1-GB 2303, Managing Organizations, COR1-GB 1302, Marketing: Delivering Value to Customers and Businesses, COR1-GB 2310, Foundations of Finance, COR1-GB 3211, Strategy, COR1-GB 2301, or Competitive Advantage from Operations, COR1-GB 2314.

**Joint Degree Master of Arts in Journalism and Near Eastern Studies**

The joint degree program gives students professional training for careers as newspaper, magazine, or broadcast journalists, combined with study of the politics, history, and cultures of the Middle East. Please refer to the Journalism section of this bulletin for requirements.

**COURSES**

**Near Eastern Studies Interdisciplinary Seminars**

Culture, Politics, and History of the Middle East  
NEST-GA 2005  **Staff. 4 points.** 2017-18, 2018-19

Internship in Near Eastern Studies  
NEST-GA 2996  **Michael. 1-4 points.** 2017-18, 2018-19

Independent Study  
NEST-GA 2997  **Staff. 1-4 points.** 2017-18, 2018-19

Master’s Thesis Research  
NEST-GA 2998  **Adalet. 1-4 points.** 2017-18, 2018-19

Topics in Middle East Politics: Critical Theories of Power  
NEST-GA 2999  **Adalet. 4 Points.** 2017-18, 2018-19

Topics in the Sociology of the Middle East: Arabs, Sex, and Modernity  
NEST-GA 3000  **Michael. 4 points.** 2017-18, 2018-19

The Anthropology of Gender and Sexuality in the Modern Middle East  
NEST-GA 3001  **Staff. 4 points.** 2017-18, 2018-19

Topics in the Anthropology of the Middle East  
NEST-GA 3002  **Staff. 4 points.** 2017-18, 2018-19

Topics in the Political Economy of the Middle East: Neo-Liberal Conquests  
NEST-GA 3003  **Michael. 4 points.** 2017-2018, 2018-19

Topics in History and the Middle East: US and the Middle East  
NEST-GA 3005  **Adalet. 4 points.** 2017-18, 2018-19

**PRE-ISMAMIC NEAR EAST**

Joan Connelly, Art History; Pamela Crabtree, Anthropology; Daniel Fleming, Hebrew and Judaic Studies; Ogden Goelet, Institute for the Study of the Ancient World; Thomas F. Mathews, Fine Arts; Beate Pongratz-Leisten, Institute for the Study of the Ancient World; Daniel Potts, Institute for the Study of the Ancient World; Ann Macy Roth, Hebrew and Judaic Studies, Art History; Lawrence H. Schiffman, Hebrew and Judaic Studies; Mark Smith, Hebrew and Judaic Studies; Katherine Welch, Institute for the Study of the Ancient World; Soren Stark, Institute for the Study of the Ancient World; Rita Wright, Anthropology.
CENTER FOR

Neural Science

PROGRAMS AND REQUIREMENTS

Doctor of Philosophy

The Center accepts students only for the degree of Doctor of Philosophy. A minimum of 72 points is required, at least 36 of which must be taken in residence at New York University. At least 37 points must be taken in graded courses. All students will be required to complete the following core curriculum during their first year: Cellular Neural Science, NEURL-GA 2201, Sensory and Motor Neuroscience, NEURL-GA 2202, Laboratory in Neural Science I and II, NEURL-GA 2203 and 2204, and Introduction to Research in Neural Science I and II, NEURL-GA 2210 and 2211.

Additional first year courses will be determined by the area of specialization selected by the student, either Systems and Computational Neuroscience or Molecular and Cellular Neuroscience. Students in the Systems and Computational Neuroscience specialization will take Behavioral and Cognitive Neural Science, NEURL-GA 2205 and Mathematical Tools for Neural Science, NEURL-GA 2207. Students in the Molecular and Cellular Neuroscience specialization will take Foundations of Cell and Molecular Biology, BMSC-GA 2001, Statistics in Biology, BIOL-GA 2030 (Students may replace this course with suitable alternative statistics courses with permission). These are all graded courses.

In the second and third year, students will select three advanced elective courses in neural science or a related discipline (typically each is 3 credits), with approval from their advisory committee, to complete the remaining required number of graded points.

Non-graded credit courses: Students also attend the Seminar in Current Topics, NEURL-GA 3390, and the Fellows’ Seminar, NEURL-GA 3380. The courses Reading Course in Neural Science, NEURL-GA 3305, 3306, and Research Problems in Neural Science, NEURL-GA 3321, are intended to provide appropriate course credits for faculty-guided readings and research necessary for preparation of the PhD thesis. These courses can be taken more than once for credit. Dissertation Research, NEURL-GA 3301, courses are taken only by students who are preparing the thesis document and who have completed about 66 points and the required number of points in graded courses.

Thesis Lab Selection: In the first year and the subsequent summer, students will perform two or more laboratory rotations as part of the process for identifying an appropriate advisor and research area for the dissertation work. Rotations during the academic year are taken for credit and receive grades. During the second year, each
student will usually have selected an area of primary research interest and the faculty member with matching research interests to serve as the primary advisor. Together they will develop a program of research that will eventually become the doctoral thesis work.

**Qualifying:** In order to qualify, students must first satisfactorily complete the first-year core curriculum and courses in one area of specialization. In addition, by the beginning of their third year they will prepare and submit a written qualifying exam to their thesis advisory committee. This was formerly called the “Second Year Paper”. The qualifying exam will be written in the form of an NIH NRSA pre-doctoral fellowship. The form of the paper should be suitable for submission as a fellowship or small research grant proposal; students are encouraged to seek independent funding for their research training. It should contain a literature review, an account of research progress, and a plan for future experiments based on any preliminary data that may have been obtained up to this point in training. Although the proposal does not bind students to pursue the experiments described as their thesis work, the proposed experiments should lay out a reasonable course of action based on progress to date. Copies should be submitted to each member of the committee and one to the Director of Graduate Studies.

After submitting the written qualifying exam to their thesis committee, students must then give an oral presentation of the proposed program of research to the committee. The committee must determine that the document and oral defense are acceptable for students to qualify for doctoral research.

Annual committee meetings will, in part, be used to monitor how the thoughts and plans first outlined in the proposal are shaped, developed, and altered through further discoveries. The formal process of writing a Dissertation Proposal in the third or fourth year is made less critical by regular committee meetings.

**Research Talks:** In September, students entering the 2nd year give brief talks based on research completed during one of the first year rotations. Fourth year students give full research talks, based on current research, during the Autumn Fellows’ Seminar series.

**Dissertation and Final Examination:** Students prepare their written dissertation based on their doctoral research and submit it to their examining committee. The final examination is the oral defense of the thesis, which includes a one-hour talk based on the written document. The examining committee usually consists of the three members of the dissertation committee plus two additional members, chosen by the student in consultation with the dissertation committee members and the Director of Graduate studies. One of the additional members is often an invited expert from outside of the University. Passage of the thesis defense is contingent on at least all but one of the examiners voting to accept the thesis and its defense.

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**Paul W. Glimcher,** Silver Professor; Professor (Neural Science, Economics, Psychology); Ph.D. 1989, Pennsylvania; B.A. 1983, Princeton.
The neurobiological, economics, and psychological bases of human and animal decision-making.

**Michael J. Hawken,** Professor (Neural Science, Psychology) Ph.D. 1979, B.Sc. 1972, Otago.
Cortical circuits and neuronal mechanisms of visual processing.

Functional imaging of the human brain (fMRI), computational neuroscience, vision, attention

**Roozbeh Kiani,** Assistant Professor Ph.D. 2009, Washington.
Decision making, visual shape and motion processing.

Development of visual function.

**Eric Klann,** Professor; Director, Center for Neural Science; Ph.D. 1989, Medical College of Virginia; B.A. 1984, Gannon.
Molecular mechanisms of learning and memory.

**Joseph E. LeDoux,** University Professor; Henry and Lucy Moses Professor of Science; Professor (Neural Science, Psychology); Director, Emotional Brain Institute; Ph.D. 1977, SUNY (Stony Brook); M.S. 1974, B.A. 1971, Louisiana State.
Memory and emotion.

**Wei Ji Ma,** Associate Professor (Neural Science, Psychology) Ph.D. 2001, University of Groningen.
Perception, working memory, and decision making.

**J. Anthony Movshon,** Professor (Neural Science, Psychology); Silver Professor; Ph.D. 1975, B.A. 1972, Cambridge.
Vision and visual development.

**Simon Peron,** Assistant Professor of Neural Science; Ph.D. 2008, Baylor College of Medicine; BS and BA 2000, Emory.
Structure and function of cortical representations.
**COURSES**

**Cellular Neuroscience**  
NEURL-GA 2201  *Open to doctoral candidates in fields relevant to neural science. Carter, staff. 4 points. 2017-18, 2018-19*  
Team-taught, intensive course. Lectures cover the basics of membrane biophysics, cellular and synaptic physiology, and intracellular signaling.

**Sensory and Motor Systems**  
NEURL-GA 2202  *Open to doctoral candidates in fields relevant to neural science. Hawken, staff. 4 points. 2017-18, 2018-19*  
Team-taught intensive course. Lectures and readings concentrate on neural regulation of sensory and motor systems.

**Laboratory in Neural Science I, II**  
NEURL-GA 2203, 2204  *Open to doctoral candidates in fields relevant to neural science. Corequisites: NEURL-GA 2201, NEURL-GA 2202. Carter, Hawken, Staff. 3 points per term. 2017-18, 2018-19*  
Team-taught course. The first semester involves discussion of problem sets and research papers relevant to the lecture course. The second semester includes neuroanatomy, sensory neurophysiology, psychophysics, fmri, and behavioral methods.

**Behavioral and Cognitive Neuroscience**  
NEURL-GA 2205  *Open to doctoral candidates in fields relevant to neural science. Curtis, staff. 4 points. 2017-18, 2018-19*  
Team-taught intensive course. Lectures, readings, and laboratory exercises cover neuroanatomy, cognitive neuroscience, learning, memory, and emotion.

**Mathematical Tools for Neuroscience**  
NEURL-GA 2207  *Open to doctoral candidates in fields relevant to neural science. Prerequisites: undergraduate calculus and some programming experience. Simoncelli, staff. 4 points. 2017-18, 2018-19*  
Team-taught intensive course. Lectures, readings, and laboratory exercises cover basic mathematical techniques for analysis and modeling of neural systems. Homework sets are based on the MATLAB software package.

**Introduction to Research in Neural Science I, II**  
NEURL-GA 2210, 2211  *Open only to doctoral candidates in neural science. 3 points per term. 2017-18, 2018-19*  
Research component of the first-year core curriculum in neural science. Students participate in the research activities in several different laboratories to learn current questions and techniques in neuroscience. Performance is evaluated on the basis of learning the literature and proficiency in laboratory techniques, based on oral and/or written presentations with the laboratory group.

**Special Topics in Neural Science**  
NEURL-GA 3042  *Staff. 3 points per term. 2017-18, 2018-19*  
Advanced seminars led by the faculty to provide in-depth consideration of specific topic areas in neural science. Examples of recent topics: Bayesian Modeling, Computational Psychiatry, Experiment-based modeling of neurons and...

**Dissertation Research**

NEURL-GA 3301  *May be repeated for credit. 1-3 points per term. 2017-18, 2018-19*

**Reading Course in Neural Science**

NEURL-GA 3305, 3306  *May be repeated for credit. 1-3 points per term. 2017-18, 2018-19*

**Research Problems in Neural Science**

NEURL-GA 3321  *May be repeated for credit. 1-3 points per term. 2017-18, 2018-19*

**Fellows’ Seminar**

NEURL-GA 3380  *May be repeated for credit. 1-3 points per term. 2017-18, 2018-19*

One-hour research colloquium given by members of the Center for Neural Science.

**Seminar in Current Topics**

NEURL-GA 3390  *May be repeated for credit. 1-3 points per term. 2017-18, 2018-19*

Weekly one-hour research colloquium given by the Center for Neural Science faculty or outside speakers.

**Disorders of the Nervous System**

NEURL-GA 4414  *Sanes. 4 points. 2017-18, 2018-19*

Explores how the nervous system develops in normal animals, and how genetic and epigenetic factors can disrupt these processes. The major goals of the course are to understand the extent to which current theories can explain the etiology of each disorder, and to learn how basic research can best facilitate advances in our knowledge and, ultimately, lead to treatments or cures.

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**VISITING FACULTY**

Yadin Dudai, Albert and Blanche Willner Family Global Distinguished Professor of Neural Science; Sara and Michael Sela Professor of Neurobiology, Weizmann Institute of Science. Ph.D. 1974, Weizmann Institute of Science; B.Sc. 1969, Hebrew. Mechanisms of learning and memory.

**CLINICAL FACULTY**

Mark M. Klinger, Clinical Professor of Neural Science; Director, Office of Veterinary Resources; V.M. 1986, Universidad Autónoma de Ciudad Juárez. Comparative medicine.

**ASSOCIATES OF THE CENTER FOR NEURAL SCIENCE**

Karen Adolph, Psychology; David Amodio, Psychology; Efrain C. Azmitia, Biology; Jayeeta Bau, School of Medicine; Justin Blau, Biology; György Buzsáki, School of Medicine; David Cai, Mathematics; Xinying Cai, Neural and Cognitive Science, NYU Shanghai; Marisa Carrasco, Psychology; David Chalmers, Philosophy; Moses Chao, School of Medicine; Mitchell Chesler, School of Medicine; Edgar E. Coons, Jr., Psychology; Clayton E. Curtis, Psychology; Jeremy S. Dasen, School of Medicine; Lila Davachi, Psychology; Claude Desplan, Biology; Jeffrey Erlich, Neuro and Cognitive Science, NYU Shanghai; Jon Freeman, Psychology; Robert C. Froemke, School of Medicine; Wen-Biao Gan, School of Medicine; David Geiger, Computer Science; Marc Gershow, Physics; Todd Gureckis, Psychology; Michael Halassa, School of Medicine; Biyu Jade He (School of Medicine); Michael S. Landy, Psychology; Yann A. Lecun, Mathematics; Li Li, Neural Science and Psychology, NYU Shanghai; Sukbin Lim, Neural Science NYU Shanghai; Dayu Lin, School of Medicine; Michael Long, School of Medicine; Laurence T. Maloney, Psychology; Gary Marcus, Psychology; T. James Matthews, Psychology; David W. McLaughlin, Mathematics; Denis G. Pelli, Psychology; Charles S. Peskin, Mathematics; Elizabeth Phelps, Psychology; David Poeppel, Psychology; Aaditya V. Rangan, Mathematics; Carol S. Reiss, Biology; Margaret Rice, School of Medicine;
Dmitriy Rinberg, School of Medicine; Niels Ringstad, School of Medicine; Bernardo Rudy, School of Medicine; Michael J. Shelley, Mathematics; Nicholas Stavropoulous, School of Medicine; Greg S. Suh. School of Medicine; Regina Sullivan, School of Medicine; Mario Svirsky, School of Medicine; Xing Tian, Neural and Cognitive Sciences, NYU Shanghai; Daniel Tranchina, Biology, Mathematics; Nicholas X. Tritsch, School of Medicine; Richard W. Tsien, School of Medicine; Donald A. Wilson, School of Medicine; Jonathan Winawer, Psychology; Lai-Sang Young, Mathematics; Edward B. Ziff, School of Medicine.

AFFILIATES OF THE CENTER FOR NEURAL SCIENCE

Ned Block, Philosophy, Psychology; Andrew Caplin, Economics; Murray Glanzer, Psychology; Jerome K. Percus, Mathematics, Physics; Andrew Schotter, Economics.
PROGRAMS AND REQUIREMENTS

Master of Arts

Admission: Applicants must follow the admission procedures set forth by the Tisch School of the Arts. Applicants are encouraged to contact the department to discuss degree requirements and financial aid and to arrange for class visits. Admission decisions are based on the applicant’s particular qualifications for study in the department, in addition to grades, degrees, and letters of recommendation. Please visit the following link for more details: performance.tisch.nyu.edu/object/grad_psPort.html Performance studies applicants are required to submit two forms to complete their financial aid application: (1) the Free Application for Federal Student Aid (FAFSA) and (2) the Tisch School of the Arts graduate financial aid form. Both incoming and continuing students may request the FAFSA from the Office of Financial Aid, New York University, 25 West Fourth Street, New York, NY 10012-1119; 212-998-4444. Alternatively, they may submit the FAFSA electronically (see the Web site at nyu.edu/financial.aid for details). For incoming students, the Tisch School of the Arts graduate financial aid form is included in the program application packet.

Degree Requirements: The Masters in Performance Studies consists of 34 credits of coursework to be completed over 3 consecutive semesters (fall, spring, summer), students earn their degree the following September. There are two required courses for master's students: Introduction to Performance Studies, PERF-GT 1000, taken in the first semester, and Projects in Performance Studies, PERF-GT 2000, taken during the final semester. Master's students are required to earn a grade of B or better, primarily with the permanent faculty. The only practical workshop course that is counted toward an M.A. in performance studies is the department's Performance Composition, PERF-GT 2730, or a course otherwise designated as practical. Up to 4 points of academic course work may be taken outside the department or transferred from another institution with permission of the Director of Graduate Studies. A master's student may appeal to the chair to register for a second Performance Composition workshop in lieu of taking 4 points outside the department.

CHAIR OF THE DEPARTMENT:
Associate Professor André Lepecki

ASSOCIATE CHAIRS OF THE DEPARTMENT:
Associate Professor Deborah Kapchan
Assistant Professor Malik Gaines

DIRECTOR OF GRADUATE STUDIES:
Associate Professor Alexandra Vazquez

FACULTY
Barbara Browning, Associate Professor. Ph.D. 1989 (comparative literature), M.A. 1987 (comparative literature), B.A. 1983 (comparative literature), Yale. Brazil and the African diaspora; dance ethnography; feminism; fetish and the gift; performative fiction
Deborah Anne Kapchan, Associate Professor, Associate Chair. Ph.D. 1992 (folklore and folklife), Pennsylvania; M.A. 1987 (linguistics), Ohio; B.A. 1981 (English), New York. Aesthetics, affect, genre, narrative, poetics, performative writing, sound and listening studies, North Africa and diaspora.
André Lepecki, Associate Professor, Chair. Ph.D. 2001, M.A. 1995, New York; B.A. 1990 (cultural anthropology), New University of Lisbon. Dramaturgy; dance; philosophy and phenomenology.
**Doctor of Philosophy**

**Admission:** Applicants must follow the admission procedures set forth by the Tisch School of the Arts. Applicants are encouraged to contact the department to discuss degree requirements and financial aid and to arrange for class visits. Admission decisions are based on the applicant’s particular qualifications for study in the department, in addition to grades, degrees, and letters of recommendation. Please visit the following link for more details: performance.tisch.nyu.edu/object/grad_psPort.html. All newly admitted Ph.D. students are offered a four-year comprehensive fellowship program that includes full tuition and fee remission, comprehensive health insurance coverage and a stipend. During the first year of entry to the Ph.D. program, students will receive a one-time supplementary fellowship to assist with academic startup (books, computers, or supplies) and housing costs. Further questions regarding the details of the Ph.D. financial packages can be addressed by contacting the Department.

Students enrolled in the M.A. program who are interested in continuing immediately into the Ph.D. program should submit an application dossier to the department at the start of the spring semester. An internal application dossier includes the following: (1) A list of all courses taken in performance studies and grades earned. (2) A substantial paper previously written for an academic course. (3) A description of the projected dissertation topic and how specific course work taken will enable clarification and deepening of the topic. (4) Names of three faculty members the student proposes to serve as possible dissertation directors.

Applicants to the Ph.D. program are evaluated on the following basis: (1) Academic record to date. (2) Quality of scholarly work as evidenced in submitted paper (and letters of recommendation, if applying with a Master’s degree from another institution). (3) Proposed topic and compatibility with departmental plans. (4) Appropriate match between student’s research interests and faculty expertise.

**Degree Requirements:** Applicants to the Ph.D. program must have completed or anticipate completion of a recognized master’s degree or M.F.A. before being considered for admission. Students must complete 70 points of course work with a grade of B or better, satisfy the foreign language requirement, pass the area examination and write and orally defend a dissertation. Students admitted with an M.A. degree should note that previous graduate work is not automatically applied to the Ph.D. degree. The department chair will determine allowable transfer credit examined each student’s record.

There are three required courses for Ph.D. students: Advanced Readings in Performance Studies, PERF-GT 2201, and Resources and Methods in Performance Studies, PERF-GT 2616, taken during the first two years of doctoral course work, and Dissertation Proposal Advising, PERF-GT 2301, taken upon completion of the language requirement and the area examination. The department’s Performance Composition, PERF-GT 2730, workshops are the only practical workshops counted toward the degree. Ph.D. students are permitted to take two Performance Composition courses as part of their course work (including

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**Diana Taylor**, Professor (Performance Studies, Spanish and Portuguese Languages and Literatures); Director, Hemispheric Institute on Performance and Politics. Ph.D. 1981 (comparative literature), Washington; M.A. 1974 (comparative literature), National (Mexico); Certificat d’Etudes Supérieures 1972, Université Aix-Marseille; B.A. 1971 (creative writing), University of the Americas (Mexico). Latin American theatre and performance; theatre history; gender studies; performance and politics.

**Allen Weiss**, Associate Teacher (cinema studies, performance studies). Ph.D. 1989 (cinema studies), New York; Ph.D. 1980 (philosophy). SUNY (Stony Brook); B.A. 1974 (philosophy), Queens College. Experimental theatre, radio, and film; aesthetics; psychoanalytic theory; poststructuralism.
Master's course credits). Up to 12 points of academic course work may be taken outside the department or through the Inter-University Doctoral Consortium with permission of the chair.

**Foreign Language Proficiency:** A candidate for the doctorate must demonstrate proficiency in at least one foreign language. Students are urged to fulfill the language requirement before they have completed course work. For further information, see the Degree Requirements section of this bulletin.

**Area Examination:** The area examination is offered every spring semester. At a meeting during the registration period each fall semester, the policies and procedures of the area examination are outlined in detail. Students must take the area examination the first time it is offered after they have fulfilled the foreign language requirement and completed 70 points of course work. The area examination consists of three sets of take-home questions to be answered within a period of 12 days. Students are examined in one general area and two areas of their design. The areas are developed in consultation with the students’ adviser and must be approved by a faculty committee two semesters prior to the examination semester. The two topic areas may be (1) a theory area, (2) a history area, (3) a genre of performance, or (4) a geographical or cultural area's performance. Students prepare preliminary and final reading lists for their advising committee’s review. The advising committees draft each student's examination questions according to the approved reading lists and topic area statements. Students must answer one question in each area. If a student fails a question, the student must take the question again the following year. The student may be required to complete additional course work before taking the examination again. A student who fails one or more questions twice cannot continue in the Ph.D. program. Students should consult the department office regarding deadlines and procedures.

**Admission to Candidacy:** Formal candidacy is granted only after a student has been in residence for a year, demonstrated foreign language proficiency, passed the area examination, and received approval of the dissertation proposal.

**Doctoral Dissertation:** Dissertation Proposal Advising, PERF-GT 2301, is required the semester after the student has passed the area examination. When the dissertation proposal is completed, it must be reviewed and approved by a three-member faculty committee. Consult the department for the procedures for defending the dissertation. Any reader who is not a member of the New York University GSAS faculty must be approved in advance by GSAS. All five members of the dissertation committee must be present when the student publicly defends the dissertation. Three of the five readers must be faculty of the Department of Performance Studies or approved faculty from another NYU department.

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**FACULTY EMERITUS**

Brooks McNamara
Barbara Kirshenblatt-Gimblett
Richard Schechner
Courses

Introduction to Performance Studies
PERF-GT 1000  Resident Faculty.  4 points.  2017-18, 2018-19
This course is designed to introduce students to the field of performance studies via examination of some of the foundational texts, tracing various genealogies of the field and considering its links to various disciplines/modes of inquiry (anthropology, theater studies, dance studies, gender studies, critical race theory, psychoanalysis, etc.).

Feminist/ Queer Theory
PERF-GT 1035  Gaines.  4 points.  2017-18, 2018-19
This course examines how queer scholars, artists and activists envision alternative ways of life that offer particular pleasures and rewards that are unimaginable and unintelligible within dominant notions of the good life. Recent queer scholarship on relationality, affect, time, and space will be central to our discussion.

Projects in Performance Studies
PERF-GT 2000  Required M.A. students. Resident faculty.  4 points.  2017-18, 2018-19
This course will run primarily as a workshop in which current MA students will begin with a paper or performance piece begun in a previous PS course and develop that project into a fuller research project. The course culminates in a symposium in which graduating MA students present an excerpt or précis of that research to the department.

Topics in Performance Studies: Deleuze, Guattari and Performativity
PERF-GT 2002  Lepecki.  4 points.  2017-18
This course investigate the ways in which the “practical philosophy” of Gilles Deleuze and the schizoanalytic model proposed by Deleuze and Félix Guattari open up new theoretical and critical possibilities for Performance Studies, particularly in expanding definitions of “performativity,” “experimentation,” “body,” “affect,” “event,” and “art.”

Bibliography and Research: Advanced Readings in Performance Studies
PERF-GT 2201  Required course for first-year Ph.D. students. Resident faculty.  4 points.  2017-18, 2018-19
Readings are balanced between foundational texts in the field of performance studies as well as new interventions that propel the discourse forward. Readings examine the performance studies project’s intersections with different lines of thought that include anthropology, philosophy, feminism, critical race theory, legal theory, Marxism, and queer critique. Students are expected to assemble an annotated bibliography on some aspect of the field as well as writing a final research paper.

Special Topics: Performing Fiction
PERF-GT 2216  Browning  4 points.  2017-18, 2018-19
This course explores the potentially productive tension between fiction and performance by examining: Performances based on works of narrative fiction—and
specifically on works that would appear to be adamantly textual, works that would seem to resist or to defy staging. Works of narrative fiction based on performances, or created in collusion or collaboration with performers or performances.

**Dissertation Proposal Advising**

PERF-GT 2301  *Required for doctoral students. Prerequisite: 70 points of completed course work. Resident faculty. 0 point. 2017-18, 2018-19*

Emphasis is on problems and opportunities of research, writing, and editing as they apply to the doctoral dissertation. Each student prepares a dissertation proposal as a class project.

**The Performance of Everyday Life**

PERF-GT 2313  *Kapchan. 4 points. 2017-18, 2018-19*

This course engages the major theorists of the performance of everyday life—De Certeau, Bachelard, Lefevre, but also Bourdieu, Goffman and others that theorize everyday life from the perspective of the virtual, the somatic, the traumatic and the oneiric. Exploring themes of belonging, home, space, rhythm, affect and the senses. Most importantly, the course will question what a performance-centered approach to everyday life brings to critical analysis and writing.

**Seminar in Dance Theory: Dance and the Political**

PERF-GT 2530  *Lepecki. 4 points. 2017-18, 2018-19*

This course is dedicated to a careful exploration of dance studies including Randy Martin, Mark Franko, Susan Manning, Gabriele Brandstetter, among others. Reading text from the authors mentioned above, with a specific focus on three political dimensions of dance as a theoretical-practical political assemblage: corporeality and bio-politics; mobilization and activism; dance and labor.

**Performance and the Law**

PERF-GT 2602  *Shimakawa. 4 points. 2017-18, 2018-19*

This course will consider how notions of “the good life” are scripted into the constitution of the nation-state, and how that script is performed: what might count as a “good life” (as implied in founding documents like the Constitution or in contemporary law)? We will start with some of the founding documents of the U.S. nation-state—the Constitution, selected Federalist Papers, Payne, Adam Smith, and others—alongside performances of “Americanness” (historical and contemporary).

**Methods in Performance Studies**

PERF-GT 2616  *Required course for first-year Ph.D. students. Resident faculty. 4 points. 2017-18, 2018-19*

Development of performance studies methodologies based on interdisciplinary research paradigms (movement analysis, ethnomusicology, ethnography, history, oral history, orature, visual studies, ethnomethodology, among others) and the close reading and analysis of exemplary studies. Considers the conceptualization and design of research projects in the context of theoretical and ethical issues and in relation to particular research methods and writing strategies. Develops practical skills related to archival and library research; ethnographic approaches, including participant observation and interviewing; documentation and analysis of live
performance; and analysis of documents of various kinds, including visual material. Readings address the history of ideas, practices, and images of objectivity, as well as of reflexive and interpretive approaches, relationships between science and art, and research perspectives arising from minoritarian and postcolonial experiences. Assignments include weekly readings, written responses to the readings, and exercises. Students are encouraged to bring projects to the course, especially ones that might develop into dissertations.

**Performance Composition**  
PERF-GT 2730  4 points. 2017-18, 2018-19  
This course focuses on performance as a mode of research/investigation: how can engaging in a performance or practice (rather than simply reading about/observing it) illuminate in ways that may be otherwise inaccessible to the researcher? What knowledge does the doing of performance produce? Students in this class will be asked to develop a research question (in consultation with the instructor), design and engage in a performance project aimed at answering (or at least investigating) that question, and then produce a final project (written or performed) that illustrates her/his research findings.

**Theories of Spectatorship**  
PERF-GT 2746  Taylor. 4 points. 2017-18, 2018-19  
This course explores the many ways in which theorists and theatre practitioners have thought about the ways in which staged action (whether in film, theatre, or politics) pacifies, activates, interpolates, and manipulates viewers. Concepts such as identification, voyeurism, narcissism, bearing witness, percepticide, spect-actor, and others are explored. Readings include Lacan, Barthes, Merleau-Ponty, Sontag, Ranciere, and others.
PROGRAMS AND REQUIREMENTS

Master of Arts

The Department of Philosophy offers a program leading to the degree of Master of Arts. The department’s requirements are (1) 32 points of graduate study, at least 24 in the department (courses taken outside the department, as well as transfer credits, must receive departmental approval); (2) a substantial research paper of appropriate quality, which may be written either in connection with a seminar or under the supervision of a departmental adviser and which must receive a grade of B+ or better. A student’s academic performance and status in the program are subject to periodic review by the department.

Dual Degree Master of Arts and Juris Doctorate

Students at the New York University School of Law may pursue an M.A.-J.D. dual degree program in philosophy and law. The School of Law requires 83 credits of study for the J.D. However, in the dual degree program, up to 12 law school credits for courses in the GSAS may be applied in satisfaction of this requirement. The M.A. requires 32 points of course work, but 8 points taken in the School of Law may be applied to the M.A. Thus a student need only earn a total of 95 points for the dual degree rather than the 115 needed if the degrees were completed separately. All other requirements of the M.A. as listed above must also be met. Requirements for the JD degree can be found at law.nyu.edu/admissions. It should be possible to complete the J.D./M.A. in three or three and a half years.

Doctor of Philosophy

The Department of Philosophy also offers a program leading to the degree of Doctor of Philosophy. The degree requires 72 points. The department requires that 44 points (the “basic points”) be as specified below. A minimum of 36 of the 44 basic points must be taken in the NYU Department of Philosophy. Twenty-eight of the total 72 points may be in dissertation research, although the student may include other courses toward that total as well. 8 basic points worth of courses that are taken while enrolled in the NYU philosophy PhD. program can be satisfied through courses taken outside of the NYU Department of Philosophy. Transfer credit is apportioned on a case-by-case basis and is normally restricted to courses taken in philosophy Ph.D. programs. Normally, a maximum of 12 basic points of transfer credit is allowed and any transfer credits must first be used against the permitted 8 points that can be taken outside of the NYU Department of Philosophy while enrolled in the program. Except in unusual circumstances, transfer credit may not be used to satisfy the area distribution
requirements described below under “Basic course work.”

**Coursework:** The required 44 basic points are to be earned by taking the following courses (‘basic-point courses’):

1. **Proseminar, PHIL-GA 1000, (8 points).** Each year, the department offers a full-year Proseminar required for all first-year Ph.D. students. It is open to first-year Ph.D. students only. It includes frequent short writing assignments, and the mode of instruction emphasizes discussion rather than lecture. The topics are determined by the instructors but include basic texts and ideas in analytic philosophy.

2. **Basic course work (28 points; typically seven 4-point courses).** These seven courses are drawn from advanced introduction courses, intermediate-level courses, topics or advanced seminar courses, and research seminar courses. These must include at least one course in value theory (ethics, aesthetics, philosophy of law, or political philosophy); at least one course in metaphysics, epistemology, philosophy of language, or philosophy of mind; and at least one course in the history of philosophy (ancient, medieval, modern, or 19th century). At least three of the courses must be outside value theory.

3. **Two Associated Writing courses (8 points).** There are two main forms that an Associated Writing course may take. In the first, most common form, the student works with a faculty member to develop and refine an already existing paper. (The paper is often, but not always, a paper written for a previous graduate seminar.) During the semester, the student submits drafts of the developing paper, discussing each draft with the instructor before moving on to the next draft. The aim is for students to receive individual mentoring in the craft of writing a professional-level philosophy paper; to have a chance to develop a paper more deeply and thoroughly than is typically possible in the more rushed context of a one-semester seminar; and to be provided with a formally structured opportunity to prepare papers for the third-year review.

Although this is the paradigmatic form of an Associated Writing course, the student needn't always start with a preexisting paper. In some cases, an Associated Writing may take a form more akin to an “Independent Study,” in which the student (with faculty guidance) reads up on an area of interest and writes a new paper from scratch. While this is sometimes a good option, students should be aware that to go this route is potentially to saddle themselves with extra work in a way that could slow their progress through the program. To go this route is also to forgo a formally structured opportunity to work on polishing an existing paper for the third-year review.

It is expected that the student and faculty member will meet roughly every two weeks during the semester. Students needn't have prior acquaintance with a faculty member to ask him or her to supervise an Associated Writing. Under no circumstances may a student submit one and the same paper for credit in both a graduate seminar and an Associated Writing course. If an Associated Writing paper develops out of an existing seminar paper, as will often be the case, the expectation is that it will constitute a substantial development of that paper. An Associated Writing course may in some cases be used to fulfill a distribution requirement, but only if the course is done on the
Third-Year Review: By the date one week prior to the first day of the fifth term in the program, students must submit two papers written while enrolled in the NYU PhD program. To satisfy the requirement, papers should be substantial pieces of work that demonstrate that the student is able to take his or her philosophical research and writing to the high level appropriate for writing a dissertation. While there is no suggestion that papers should be approaching this limit, papers longer than 12,000 words (excluding bibliography) will not be accepted. Each paper is reviewed by at least two faculty members; our ambition is to review all papers blindly, although we cannot guarantee it; both papers must pass in order for the student to pass. If a student fails to submit a paper by the deadline, he/she will receive a 'fail' on the paper unless an extension was granted previously on grounds of extenuating circumstances. Except for emergency situations, extension requests must be filed at least one week prior to the deadline. If a paper fails, the student must submit a revised version of the paper, or a new paper; the usual deadline for this second submission is by the end of the fifth semester in the program but may be extended in special circumstances. If a student fails to submit the new, or revised, paper by the agreed upon deadline, or if this paper also fails, their eligibility to continue in the program will be jeopardized.

Thesis Prospectus: By the fifth week of their fifth term in the program, students must designate a prospectus advisor and report that designation to the Director of Graduate Studies. (The designation of a prospectus advisor takes place by this time regardless of whether the student has successfully completed the third-year review.) It is understood that the designation of “prospectus advisor” is provisional and subject to change depending on the evolving nature of the thesis project. The prospectus advisor’s role is to guide the student through the prospectus-writing process; the prospectus advisor may or may not ultimately serve on the dissertation committee, though of course often he or she will. By the tenth week of their sixth term in the program, students must submit a draft prospectus document to their prospectus advisor, copying the Director of Graduate Studies. It is hoped that this draft can serve as the final, or near-final, version of the prospectus and be defended by the end of the sixth term, but it is understood that this will not always be possible; to remain in good standing, however, the student must submit a draft, which may then serve as the basis for ongoing work and discussion. The prospectus document should be between five and a strict maximum of fifteen pages long. It should not be a philosophy paper, but rather a thesis plan that (1) clearly articulates an interesting philosophical problem in a way that (2) displays the student’s knowledge of the problem’s place in the space of philosophical ideas and, in particular, of the leading attempts to resolve the problem, and (3) gives as clear an indication as the student can give at this early stage of how he or she intends to organize the thesis, and of what he or she expects his or her contribution to be, that is, of what the thesis will add to the existing literature. (Students writing a thesis consisting of three linked papers should apply these guidelines to each of their topics. The prospectus document should still not exceed fifteen pages, however.) No later than the fourteenth week of the sixth term in the program, each student must notify the Director of Graduate Studies of the composition of his or her
full prospectus committee. The prospectus committee often becomes the dissertation committee, but this needn't always be the case and uncertainty about the ultimate composition of the dissertation committee should not stand in the way of the designation of the prospectus committee by the end of the sixth term. Dissertation and prospectus committees ordinarily consist of three, and no more than three, faculty members. Exceptions to this rule require special justification and must be approved by the Director of Graduate Studies. Chairs of prospectus and dissertation committees must be members of the Philosophy Department, though someone appointed chair while in the Department can continue in this role even if she should subsequently leave.

**Prospectus Defense:** While the prospectus defense takes the form of an oral examination, its principal purpose is to reach an agreement with prospective future members of the student's thesis committee as to the shape and substance of the project. The thesis prospectus examination should satisfy the committee that the candidate can write a passing thesis meeting the description in the candidate's submitted prospectus.

**Policy on Advising:** Ordinarily, all advisors (thesis, prospectus, pre-prospectus) will meet with their advisees at least twice per semester (for example, once toward the beginning of the semester, and once toward the end before the graduate student review). Other members of thesis committees will typically meet with their students at least once per semester. Practice may vary between individual cases and it will sometimes be appropriate to meet more or less often. Nevertheless, except in very unusual circumstances, advisors and advisees should meet at least once per semester. Students and their advisors are encouraged to set aside some meeting time for unstructured discussion, conducted without a fixed agenda.

**Logic Requirement:** The department's logic requirement can be satisfied in four ways. One way is to take a graduate-level logic course in the NYU philosophy department. A second way is to take an upper-level undergraduate course at NYU or elsewhere, or a graduate-level course elsewhere, but in both cases the appropriateness of the course must be approved by the Director of Graduate Studies. A third way is to satisfy the department that some course or courses taken previously meets the required standard. A fourth way is to schedule an oral examination covering an appropriate range of topics. In deciding whether to approve courses under the second and third headings, and in determining the content of the oral examination under the fourth heading, the department will be looking for competence in the following topics: formalization of English sentences in first-order logic; derivations within a proof system for first-order logic; formal definitions of models, truth in a model, and validity for first-order logic; basic meta-logical tools, including proof by mathematical induction and recursive definition; the statement of, and the basic methods for proving, basic meta-logical results, including soundness and completeness for systems of first-order or modal logic, and results concerning the decidability of some formal systems.

**Thesis and Oral Examination:** The dissertation can consist of a monograph or, alternatively, of three outstanding papers. The department envisions that, in most cases, the dissertation will grow out of work done for the topics or advanced seminar and Associated Writing courses and that there will be no sharp distinction between

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**Stephen Schiffer**, Professor; Silver Professor. D.Phil. 1970 (philosophy), Oxford; B.A. 1962 (philosophy), Pennsylvania. Philosophy of language; philosophy of mind; metaphysics.


**Peter Unger**, Professor. D.Phil. 1966 (philosophy), Oxford; B.A. 1962 (philosophy), Swarthmore College. Metaphysics; epistemology; philosophy of mind; ethics.


**Daniel Viehoff**, Professor. J.D. 2016, Yale Law School; Ph.D. 2009 (philosophy), Columbia University; M.Phil. 2003 (philosophy), University College London; B.A. 2001 (philosophy, politics, and economics), Oxford University. Political, legal, and moral philosophy.

years of course work and years of dissertation writing. Students who entered in the year 2010 or later are expected to complete all degree requirements, including the dissertation, within six years (or five if the student elects not to participate in the teaching program).

Dual Degree Doctor of Philosophy and Juris Doctorate

Students at the New York University School of Law may pursue a Ph.D.-J.D. dual degree program in philosophy and law. The School of Law requires 83 credits of study for the J.D. However, in the dual degree program, up to 12 points for courses in GSAS may be applied in satisfaction of this requirement. The Ph.D. requires 72 points. However, in the dual degree program, credit for up to eight one-term courses in the School of Law may be applied toward the Ph.D. Therefore, the dual degree may be completed with as few as of 111 points instead of the 155 needed if both degrees were done separately. All other requirements for both degrees must be met. It should be possible to complete the J.D./Ph.D. in six or seven years. Requirements for the J.D. degree can be found at law.nyu.edu/admissions.

COURSES

Proseminar
PHIL-GA 1000  For first-year Ph.D. students in philosophy only. 4 points. 2017-18, 2018-19
Examination of central philosophical texts as preparation for further graduate study. Topics range over most key areas of philosophy.

Logic for Philosophers
PHIL-GA 1003  Field, Fine, Pryor, Schiffer, Malink. 4 points. 2018-19
Introduction to logic. Topics will include the basic theory of propositional logic, fuzzy logic, multi-valued logic, boolean logic, modal logic, temporal logic, and more, including a general account of first-order predicate logic, covering the issues of validity, provability, completeness, incompleteness and logical independence, while taking every opportunity to explore fun logical paradoxes.

Advanced Introduction to Ethics
PHIL-GA 1004  Scheffler, Street, Unger, Velleman. 4 points. 2018-19
Background course for entering graduate students.

Advanced Introduction to Metaethics
PHIL-GA 1009  Street. 4 points. 2018-19
Background course for entering graduate students. The topic of the course is the nature of normativity and where to “place” it with respect to our scientific conception of the world. Positions to be considered include naturalist realism; non-naturalist realism; expressivism and quasi-realism; and constructivism.
Advanced Introduction to Metaphysics
PHIL-GA 1100  Fine, Horwich, Unger, Wright. 4 points. 2018-19

Background course for entering graduate students. Covers a selection of topics from traditional and contemporary metaphysics. Topics may include the mind/body problem; the nature of space and time; explanation and causation; truth and meaning; realism/antirealism; the existence of universals; personal identity; the identity of events and material things; modality and essence. The emphasis is on providing the students with a background in the subject that will be of help in their subsequent work.

Advanced Introduction to Epistemology
PHIL-GA 1101  Boghossian, Field, Friedman, Pryor, Unger. 4 points. 2017-2018, 2018-19

Background course for entering graduate students. Topics include the issue of the reducibility of knowledge, its role in explanation, and the significance of skeptical arguments about its possibility. The course covers particular kinds of knowledge, including perceptual knowledge, knowledge about the past, knowledge of other minds, and a priori knowledge.

Advanced Introduction to Philosophy of Language
PHIL-GA 1102  Field, Fine, Horwich, Pryor, Schiffer, Wright. 4 points. 2018-19

Background course for entering graduate students. This comprehensive seminar covers the leading issues in the philosophy of language and the leading positions on those issues. Among topics discussed are the ontology of content; the relation between language and thought; explications of meaning; the relation between the semantic and the physical; problems of reference; and vagueness. The seminar is systematic and presents various issues and theories as part of an integrated whole in which those issues and theories stand in certain presupposition relations to one another. The seminar is critical and places emphasis less on who said what and more on the plausibility of the views considered.

Advanced Introduction to the Philosophy of Mind
PHIL-GA 1103  Chalmers, Block. 4 points. 2018-19

This course will focus on three areas of the philosophy of mind: consciousness, intentionality, and perception. In each area we will discussing one article by each of the convenors and some by other authors, starting with foundational readings and progressing to current work.

Advanced Introduction to Philosophy of Science
PHIL-GA 1104  Franklin-Hall, Strevens. 4 points. 2018-19

Background course for entering graduate students.

Philosophy of Mathematics
PHIL-GA 1181  Dorr, Field, Fine. 4 points. 2018-19

20th-Century Continental Philosophy
PHIL-GA 1210  Richardson. 4 points. 2017-18

Deals in different years with some of the leading figures of the Continental tradition, such as Husserl, Heidegger, Sartre, Merleau-Ponty, or with some
particular movement in that tradition, such as phenomenology, existentialism, or hermeneutics.

**British Empiricism in the 18th Century**
PHIL-GA 1251 Garrett. 4 points. 2018-19
Study of some selections from the works of Locke, Berkeley, and Hume.

**Kant's Critique of Pure Reason**
PHIL-GA 2109 Longuenesse, Jauernig. 4 points. 2018-19
Detailed examination of this important Kantian text.

**Political Philosophy**
PHIL-GA 2280 Scheffler, Viehoff. 4 points. 2017-18
Traditional and contemporary theories of the relation between individuals and the state or community. Topics include political obligation, distributive justice, social contract theory, individual rights and majority rule, the nature of law, political and social equality, and liberty and coercion.

**Aesthetics**
PHIL-GA 2283 Boghossian, Hopkins, Jauernig. 4 points. 2017-18
This seminar will address various problems in aesthetics and the philosophy of art. Topics covered might include the definition and ontology of art; the status, sources and epistemology of aesthetic judgement; what, if anything, particular art-forms are distinctive in offering to the appreciator; and the nature, and role in art, of expression, representation and style.

**Ethics: Selected Topics**
PHIL-GA 2285 Scheffler, Street, Unger, Velleman. 4 points. 2018-19
Seminar on different topics in ethical theory and applied ethics, varying yearly. Some of the following topics (as well as others of research interest to the instructor and students) may be considered: concepts of duty, virtue, and right; kinds of moral failure; the moral distinction between actions and omissions; the relation of individual ethics to group ethics and politics; morality and the law.

**Research Seminar on Mind and Language**
PHIL-GA 2295 Block, Boghossian, Chalmers, Field, Fine, Garrett, Longuenesse, Pryor, Schiffer, Stevens, Velleman. 4 points per term. 2017-18, 2018-19
In a typical session of this course, the members of the seminar receive, a week in advance, copies of work in progress from a thinker at another university. After reading the week's work, the students discuss it with one of the instructors on the day before the colloquium. Then at the colloquium the next day, the instructors give critiques of the work, and the author responds to the critiques and also to questions from others in the audience.

**History of Philosophy: Selected Topics**
PHIL-GA 2320 Garrett, Longuenesse, Richardson, Jauernig, Mus, Malink. 4 points. 2017-18, 2018-19
Deals with different periods or figures from the history of philosophy not covered in the other historical courses regularly offered by the department. The content varies, depending on student and faculty interests. Examples of topics that may be
covered are pre-Socratics; Greek ethics; medieval philosophy; Kant’s Critique of Judgment; utilitarianism; Hegel; Nietzsche; and Schopenhauer.

**Topics in Philosophical Logic**
PHIL-GA 3001  *Field, Fine, Schiffer. 4 points. 2018-19*
Selected topics in philosophical logic.

**Topics in Epistemology**
PHIL-GA 3003  *Boghossian, Field, Friedman, Pryor, Unger, Wright. 4 points. 2017-18, 2018-19*
Selected topics in epistemology

**Topics in Metaphysics**
PHIL-GA 3004  *Field, Fine, Schiffer, Unger, Horwich. 4 points. 2017-18, 2018-19*
Selected topics in metaphysics

**Topics in Ethics**
PHIL-GA 3005  *Scheffler, Street, Velleman. 4 points. 2017-18, 2018-19*
Selected topics in ethics

**Topics in Philosophy of Science**
PHIL-GA 3009  *Franklin-Hall, Strevens, Maudlin. 4 points. 2017-18, 2018-19*
Selected topics in the philosophy of science

**Topics in Philosophy of Mind**
PHIL-GA 3010  *Block, Boghossian, Hopkins, Longuenese, Pryor, Schiffer. 4 points. 2017-18, 2018-19*
Selected topics in philosophy of mind

**Topics in Philosophy of Physics**
PHIL-GA 3011  *Prerequisite: permission of the instructor. Maudlin, Strevens. 4 points. 2017-18, 2018-19*
Selected topics in philosophy of physics

**Philosophical Research**
PHIL-GA 3300, 3301  *Prerequisite: permission of the instructor. 1-8 points. 2017-18, 2018-19*
Specialized individual research

**Thesis Research**
PHIL-GA 3400  *For Ph.D. students who have completed core requirements. 1-8 points. 2017-18, 2018-19*

**Associated Writing**
PHIL-GA 3500  *Required writing course for Ph.D. students. 4 points. 2017-18, 2018-19*
DEPARTMENT OF

Physics

PROGRAMS AND REQUIREMENTS

Master of Science

All candidates for the M.S. degree must complete 32 points of credit, at least 24 in residence at the Graduate School and at least 20 in the Department of Physics, and achieve a grade point average (GPA) of B (3.0) or better. They are further required to pass at least five of the following seven courses: Dynamics, PHYS-GA 2001, Statistical Physics, PHYS-GA 2002, Electromagnetism, PHYS-GA 2005, Computational Physics, PHYS-GA 2000, Quantum Mechanics I, PHYS-GA 2011, Quantum Mechanics II, PHYS-GA 2012, Experimental Physics, PHYS-GA 2075. M.S. candidates are permitted to take at most two courses outside the department, with permission of the Director of Graduate Studies.

In addition to the above course requirements, M.S. candidates complete their degree requirements via one of three options.

Option A: Report. The report is essentially a comprehensive review article based on the literature in a specialized field of physics, prepared under the supervision of a faculty adviser. In addition to submitting the report, students choosing this option must receive credit for nine regular courses (one-semester, 4-point courses, not including reading and research).

Option B: Thesis. The thesis is based on physics research (experimental or theoretical) supervised by a faculty adviser, at a level of originality and comprehensiveness less than that of Ph.D. research. In addition to the standard course requirements, the student is expected to enroll in one semester (4 points) of a research course, Experimental Physics Research, PHYS-GA-2091, or Research Reading, PHYS-GA-2095.

Option C: Examination. In addition to receiving credit for eight regular courses (one-semester, 4-point courses, not including reading and research), a student choosing this option must pass the core courses with an average grade of B or better. For each course, the student has the option of (1) enrolling in the course; (2) taking the midterm and final examination of the course if the student is not enrolled; or (3) taking the relevant preliminary examination given just before the start of the fall or spring terms.
Doctor Of Philosophy

Applicants considered for admission have usually completed the equivalent of an undergraduate major in physics and maintained an average of at least B or better in physics and in mathematics. Calculus and ordinary differential equations are prerequisite to all courses. Special consideration is given to applicants with an undergraduate major in mathematics, engineering, or another science. Such students ordinarily take remedial work to make up undergraduate deficiencies in physics before they proceed in the regular degree program.

Special Notes: Although students may be admitted at midyear, many courses are full-year courses, so it may not be possible for those students to enroll for a full-time program. Full-time students are expected to carry either three courses per semester or the equivalent in approved research.

All candidates for the Ph.D. degree must complete 72 points of credit, at least 32 in residence at the Graduate School, and achieve a grade point average (GPA) of B (3.0) or better. The Ph.D. program is aimed at enabling a student to prepare for and carry out research in physics at the frontier of knowledge. The department encourages entry into dissertation research under the supervision of a faculty member as soon as one has attained sufficient mastery of the fundamental principles and techniques of physics. Depth and breadth within the larger context of contemporary physics are promoted by a flexible set of course requirements. Numerous seminars and the weekly Physics Colloquium provide an excellent opportunity for students to keep abreast of recent developments across the full spectrum of physics research. Special talks by faculty members describing their research programs help students learn about research activities in the department.

Entering full-time students who qualify for admission to the Ph.D. program are offered a departmental financial aid package. Departmental support may be withdrawn if a student is deemed to be not making adequate progress toward fulfilling the degree requirements. Students may apply for research assistantships and fellowships at any time.

Core Course Requirements: The aim of the Ph.D. program is to certify the student’s mastery of a traditional body of basic principles and problem-solving techniques generally considered to be an essential part of a research physicist’s training. To this end, a student in the program is required to get a B or better in each part of five core subjects: Dynamics, PHYS-GA 2001, Statistical Physics, PHYS-GA 2002, Electromagnetism, PHYS-GA 2005, Quantum Mechanics I and II, PHYS-GA 2111 and 2112, Computational Physics, PHYS-GA 2000.

In order to make satisfactory progress toward the Ph.D., a student must complete all core course requirements by the beginning of his or her second year. If a student fails to get a B or better in a core course (or in one of the alternative options) during his or her first academic year, the student is obliged to take the relevant preliminary examination just prior to his or her second year. If one or more of the core course requirements are not satisfied at the start of the student’s second year, the Ph.D. Candidacy Committee will review the student’s entire record and


Georgi Dvali, Silver Professor, Ph.D. 1992, Georgian Academy of Sciences; M.A. 1985, Tbilisi State. Theoretical particle physics; cosmology; gravity.

Glennys R. Farrar, Collegiate Professor; Professor. Ph.D. 1971, Princeton; B.A. 1967, California (Berkeley). Theoretical particle physics; astrophysics; and cosmology.

Gregory Gabadadze, Professor; Chair, Physics Department. Ph.D. 1998, Rutgers; B.S./M.S. 1994, Moscow State. Theoretical particle physics; astrophysics; cosmology.


Andrei Gruzinov, Associate Professor. Ph.D. 1995, California (San Diego); M.S. 1987, Moscow Institute of Physics. Theoretical astrophysics.

David W. Hogg, Professor; Ph.D. 1998, California Institute of Technology; B.S. 1992, Massachusetts Institute of Technology. Observational cosmology; astronomy.

decide what action to take. Such action might include a recommendation to the faculty that the student be discontinued from the Ph.D. program. Termination of a student from the program requires a vote of the faculty.

A student who has taken a course elsewhere that is equivalent to one of the core courses need not enroll in that course; instead, he or she may satisfy the requirement by achieving a grade of B or better on the relevant preliminary examination given just before the start of the fall (QM1, Dynamics) and spring (QM2, Statistical Physics, and EM) terms. Each examination is designed to be completed in two hours (three hours are allowed to avoid time pressure) and covers the material of the corresponding course at the level of midterm and final examinations.

Students are also required to have experience in experimental physics. This requirement may be satisfied by demonstrating past experience or by taking the course Advanced Experimental Physics, PHYS-GA 2075. Alternatively, a student may conduct an independent experimental project under physics faculty supervision.

Course Requirements Beyond the Core: A student is required to take at least six courses beyond the core level (not including reading and research courses or Practicum in the Teaching of Physics, PHYS-GA 2090) in the Department of Physics. At least two of these courses must be outside the student’s research area.

Formation of a Core Thesis Committee: By the beginning of May of the student’s second year, the student is expected to have arranged for thesis supervision with a member of the physics faculty. A four-person core thesis committee, chaired by the thesis adviser, is set up at this time. The membership of the thesis committee is proposed by the adviser in consultation with the student and must be approved in writing by the director of graduate studies to ensure breadth and level of expertise. At the time of its formation, the thesis committee meets with the student and discusses the student’s course of study, preliminary research plans, and the timing and scope of the oral qualifying examination (see below). The committee conducts an annual review of the student’s progress, normally in January.

Oral Qualifying Examination: The qualifying examination marks the student’s formal entry into dissertation research under the supervision of a particular faculty member. It takes place after the student has already embarked on some sort of preliminary research with his or her adviser and is administered by the student’s thesis committee. The deadline for taking the oral qualifying examination is May 15th of a student’s third year, prior to the annual review.

The examination itself consists of a prepared talk by the candidate followed by a question period. The aim is to examine the student’s mastery not only of the specific area of the student’s intended research, but also of related areas of physics and of (relevant) general principles of physics. The committee decides whether the evidence, taken all together, presents a convincing picture of a person with the preparation and skills needed to do original scientific research in the proposed area.

Annual Review, Progress Report, Thesis Proposal: There is an annual review of each student’s progress toward the Ph.D. This includes a progress report submitted by the student. Prior to the formation of a thesis committee, the review is
conducted by the Ph.D. Candidacy Committee. Afterward, the student’s thesis committee conducts the review. The first annual progress report following the qualifying examination includes a formal proposal for the student’s thesis research. Subsequent progress reports inform the committee on progress toward completion of the thesis, as well as on any significant modifications of the original proposal.

**Oral Thesis Defense:** The final approval of the student’s thesis and the oral thesis defense is conducted by the student’s core thesis committee, augmented by one additional faculty member. Three members of the examining committee, including the student’s adviser, serve as readers of the dissertation.

**Additional Requirements:** Students are required to attend the weekly departmental colloquia, which highlight progress in cutting-edge research areas of broad and general interest. The department holds weekly seminars in astrophysics, particle physics, atomic optical and molecular physics, nonlinear dynamics, condensed matter physics, theoretical physics, relativity, and cosmology. Distinguished lectures endowed by the James Arthur and Stanley H. Kloss Funds are held periodically. Informal interactions and “journal clubs”—where students, postdoctoral researchers, and faculty discuss research in progress—promote collaboration within and across subfields. Interaction is also fostered with programs at the Courant Institute of Mathematical Sciences, the Center for Neuroscience (program for theoretical neuroscience), the School of Medicine, and the Departments of Chemistry and Biology.

**COURSES**

**Electronics For Scientist I**

PHYS-GA 1500 Gershow. Prerequisites: complex analysis and ordinary differential equations or permission from the instructor. 4 points. 2017-2018

Linear circuit theory, active components, and basic principles of circuit design. Topics will include measurement techniques, noise reduction, filters, and signal detection and processing. The course will also feature an introduction to the use of microcontrollers in a laboratory setting. Open to students in the sciences and engineering.

**Computational Physics**

PHYS-GA 2000 MacFadyen. Prerequisite: knowledge of a scientific programming language. 4 points. 2017-18, 2018-19

Emphasis is on current research where numerical techniques provide unique physical insight. Applications include, among others, solution of differential equations, eigenvalue problems, statistical mechanics, field theory, and chaos.

**Dynamics**

PHYS-GA 2001 Scoccimarro. 4 points. 2017-18, 2018-19

Classical mechanics of particles and extended bodies from the Lagrangian and Hamiltonian points of view. Applications to two-body problems, rigid bodies, and small oscillations. Classical mechanics of particles with emphasis on Hamiltonian description. Ideal and viscous fluids.
**Statistical Physics**
Introduction, with representative applications. Review of thermodynamics; Gibbs ensembles for equilibrium; application to ideal gases, condensed phases of matter, and radiation; fluctuations and noise, kinetic theory.

**Electromagnetism**
General principles and diverse applications of electromagnetic theory; electrostatics and magnetostatics; boundary value problems; Maxwell's equations; electromagnetic waves, wave guides, simple radiators, and diffraction; plasma physics and magnetohydrodynamics; special theory of relativity.

**Quantum Mechanics I, II**
General principles and diverse applications of quantum theory; wave equations and general formulation; solution of standard problems; approximation methods; scattering theory; addition of angular momenta; semiclassical theory of radiation; spin, identical particles; application to atoms, molecules, nuclei, and other bound systems; density matrices (pure and mixed states); quantum entanglement; Bell's inequalities; quantum teleportation; path integral formulation.

**Introduction to Solid-State Physics**
Survey of major topics, including descriptions of crystalline lattice, phonons; Drude model; energy bands; semiconductors; dielectrics; ferroelectricity; paramagnetism; superconductivity.

**Phase Transitions and Critical Phenomena**
PHYS-GA 2017  *Grosberg*. Prerequisite: PHYS-GA 2002. 4 points. 2017-18
Surveys the theory of phase transitions and critical phenomena: phenomenology and experimental status; Ising and related models; phase diagrams; universality and scaling; expansion methods; exactly soluble models; mean-field theory; perturbation theory; introduction to renormalization group.

**Theory of Solid State Physics**
Non-interacting Fermi and Bose gases; Hartree-Fock approximations; Various instabilities to broken symmetry ground states (Stoner, Peierl's, antiferromagnetism), Random phase approximation theory for Fermi gas: Screening and collective modes; Landau Fermi liquid theory; Kondo effect; Weakly interacting Bose gas (Bogoliubov theory for superfluidity); Superconductivity( BCS theory, Ginzburg-Landau theory, Josephson junctions); Topological insulators and topological superconductors.

Noisy nonequilibrium dynamics; disordered and random materials; and biophysics.

Nuclear structure studies through electron-nuclear interactions; low-temperature calorimetry for neutrino mass and dark matter search; solar spectroscopy; laser spectroscopy of radioactive atoms.

Cosmology; observational probes of cosmic acceleration; galaxy redshift surveys; galaxy formation and evolution.

Theoretical particle physics; astrophysics; cosmology.

**L. Andrew Wray**, Assistant Professor. Ph.D. 2010 Princeton. Experimental solid state physics; strongly correlated systems; topological insulators; atomic-scale wavefunctions; light-matter interactions (EUV/X-Ray).

**Jun Zhang**, Professor (Physics, Mathematics). Ph.D. 1994, University of Copenhagen; B.S. 1985, Wuhan University (China).
Biological locomotion in fluids; Geophysical fluid dynamics; Active soft matter physics.

**Alexandra Zidovska**, Assistant Professor. Ph.D. 2008 California (Santa Barbara); Msc. 2003, BSc. 2000 Technical (Munich).
Soft condensed matter physics; biophysics; polymer physics; biomaterials.

Theoretical elementary particle physics and quantum field theory.
Biophysics
PHYS-GA 2022  Zidovska. 4 points. 2017-18
This course focuses on the fundamental physical processes exploited by living organisms in the process of living. In particular, it introduces and develops elements of equilibrium and nonequilibrium statistical mechanics to explain how the molecular-scale components of cells store and process information, how they organize themselves into functional structures, and how these structures cooperatively endow cells with the ability to eat, move, respond to their environment, communicate, and reproduce.

Particle Physics
PHYS-GA 2027  Farrar. 4 points. 2017-18, 2018-2019
Experimental evidence on elementary particles and their interactions. Phenomenological models, electrons and photon-hadron interactions, weak decays and neutrino interactions, hadronic interactions, Effective field theories.

Soft Matter I
PHYS-GA 2030  Grosberg 4 points. 2018-2019
Advanced-level course on the principles and applications of soft matter physics. Emphasis on the underlying physical concepts and principles. Topics include interactions in soft matter systems (Van der Waals, aqueous electrostatics, depletion etc), polymers (flexibility and statistics, coils and globules, phase transitions, solutions, melts, networks, polyelectrolytes and polynampholytes), polymer dynamics (diffusion, reptation, viscoelasticity), biolopolymers (DNA electrostatics, melting, protein folding).

Special Topics in Particle Physics: Beyond the Standard Model
PHYS-GA 2033  Dvali 4 points. 2018-2019
Advanced topics in particle physics, including the field-theoretical description of elementary particles and their interactions.

High Energy Astrophysics
PHYS-GA-2050  MacFadyen. 4 points. 2017-2018
Fundamentals of high energy astrophysical phenomena and theory, including the physics of black holes, neutron stars and white dwarfs as well as relevant cosmological topics such as high-energy signatures of dark matter annihilation and prospects for their detection. Phenomena explored include active galactic nuclei (AGN), pulsars, supernovae and their remnants, gamma-ray bursts (GRBs), micro-quasars, magnetars, novae, accreting compact objects, relativistic jets, and high-energy cosmic rays.

Extragalactic Astrophysics
PHYS-GA 2051  Blanton. 4 points. 2018-2019
Observational techniques in extragalactic astrophysics; phenomenology of globular clusters, galaxies, galaxy clusters, and quasars; stellar populations and chemical evolution of galaxies; fundamentals of stellar dynamics; and gravitational lensing.
Cosmology
PHYS-GA 2052 Scoccimarro. 4 points. 2018-2019

Special Topics in Astrophysics
PHYS-GA 2053, 2054 Modjaz, Pullen. 4 points per term. 2017-18, 2018-19
Advanced topics in astrophysics and related areas.

General Relativity
Tensor-spinor calculus, special and general theories, unified field theory, applications to relativistic physics and cosmology.

Non-Equilibrium Statistical Physics
PHYS-GA 2061 Grosberg. 4 points. 2017-18
This course is designed to introduce some of the concepts employed in the study of macroscopic systems away from their state of thermodynamic equilibrium, including linear response, fluctuation-dissipation theorem, diffusion in various contexts (from first passage to chemical reactions), work-energy theorems, active and driven systems.

Experimental Physics
PHYS-GA 2075 Sleator. 4 points. 2017-18, 2018-19
Experiments of historical and current interest conducted by the student. Methodology statistics, signal-to-noise ratio, and the significance of precision in measurement.

Quantum Field Theory I, II, III
Functional integrals for Bose and Fermi fields, non-Abelian gauge theories, Faddeev-Popov method and Becchi-Rouet-Stora invariance, renormalization, functional integrals, lattice gauge theory and critical phenomena, spontaneous symmetry breaking, and the Standard Model of electroweak interactions. QFT I focuses on the basics of quantum field theory. It starts with the quantization of free spin-0, spin-1/2, and spin-1 fields, and basics of space-time symmetries. It continues with detailed discussion of relativistic perturbation theory, Feynman diagrams, and applications to scattering processes in quantum electrodynamics. QFT II focuses on detailed description of non-Abelian gauge theories and their applications to quantum chromodynamics and the Standard Model of electroweak interactions. It covers topics such as the BRST quantization, spontaneous symmetry breaking, Higgs mechanism, and CP violation. QFT III covers topics such as anomalies, solitons and instantons, lattice gauge theories, and finite temperature.
field theories. The course starts with detailed discussions of anomalies in various field theoretic models. It covers at great length nonperturbative techniques used to study solitons and instantons. The course also gives a description of gauge theories on a lattice, their applications to strong interactions, as well as field theories at finite temperature and their uses in particle physics and cosmology.

**Introduction to String Theory**

PHYS-GA 2079  Porrati. Prerequisites: PHYS-GA-2060, PHYS-GA 2077, or permission of the instructor. 4 points. 2017-18

First-quantized free-particle and random paths, the Nambu-Goto and Polyakov strings, Veneziano amplitudes. The classical bosonic string: old covariant approach, the no-ghost theorem and the existence of a critical dimensionality of space-time, gauge invariances. Light-cone formalism, the Hagedorn temperature. Modern covariant quantization, ghosts, and the BSRT symmetry. Global properties of string theory, multiloop diagrams and the moduli space, strings on curved backgrounds. The fermionic string: classical theory and world-sheet supersymmetry, the GSO projection, spectrum and space-time supersymmetry. Non-Abelian gauge symmetries in open strings. The heterotic string, compactifications on tori. Tree-level amplitudes in the fermionic and heterotic strings.

**Practicum in the Teaching of Physics**

PHYS-GA 2090  Adler. 0 points. 2017-18, 2018-19

Course designed to develop and enhance teaching skills of graduate students, with specific reference to the basic undergraduate courses in physics. Presentations by the students form the core of the course. Sessions are videotaped. Emphasis is on clarity of presentation and organization of recitation and laboratory materials. Topics include preparations for problem-solving sessions, encouragement of class participation and responses, and techniques for gauging student involvement. Specific content issues arising in elementary mechanics and electromagnetism are addressed. Use of texts, articles, and specially prepared sample materials.

**Experimental Physics Research**

PHYS-GA 2091  Prerequisite: permission of the instructor. 1-9 points per term. 2017-18, 2018-19

**Theoretical Physics Research**

PHYS-GA 2093  Prerequisite: permission of the instructor. 1-9 points per term. 2017-18, 2018-19

**Research Reading**

PHYS-GA 2095  Prerequisite: permission of the instructor. 1-9 points per term. 2017-18, 2018-19

**Curricular Practical Training in Physics**

PHYS-GA 3307  1- 8 points per term. 2017-18, 2018-19

Course matches Ph.D. Physics students to pure or applied research laboratories, either in commercial venues or in national or international research centers. It gives students a chance to experience hands-on research and also application and development of research findings in an industrial or applied physics environment.
PROGRAM AND REQUIREMENTS

Advanced Certificate

All students enrolled in Ph.D. and M.A. programs in the Graduate School of Arts and Science are eligible. Students funded through the MacCracken program pay no additional tuition or fees. Students should submit a statement of purpose, a letter of recommendation, clearance from the departmental director of graduate studies, and the first two pages of the regular GSAS application form to the director. For those not already enrolled at NYU, admission to the advanced certificate program is by application to the Graduate School of Arts and Science.

A total of 20 points of course work is required. A maximum of 8 points may be shared with the points required for the M.A. or Ph.D. Required course work includes the following: Proseminar in Poetics and the Origins of Literary Theory (POET-GA 2001), Poetics and Theory Seminar (POET-GA 2002), and three additional courses, of which one must cover either philosophy or rhetoric or be a theory survey, and two must be listed outside the student's home department (cross-listing in the home department is allowed, however, in such cases students should be sure to register for the course under the number associated with the department in which the course originates). In addition to the five courses, students seeking the advanced certificate must present a paper, at least once, at one of the yearly workshops or conferences offered by the Program in Poetics and Theory. Students participating in a conference or workshop must develop a paper in the context of the Poetics and Theory Seminar. The paper must focus on a topic contributing to the conference's overall aim. This paper may be a chapter of the dissertation.

COURSES

Proseminar in Poetics and the Origins of Literary Theory
POET-GA 2001 4 points. 2017-18, 2018-19
Introduces students to the most important developments in the Western history of theorizing literature, its production, and its interpretation. Since many courses at NYU survey 20th-century literary theory, this course offers some historical background: it brings into conjunction pre- and post-18th-century traditions that rarely come into contact in the curriculum and are unlikely to be taught in one course. Issues include the definition of literary genres, differences in registers of style, the relation of pleasure to morality, of the practical to the aesthetic, and the transformation of these issues in post-Kantian theories of interpretation.
Poetics and Theory Seminar
POET-GA 2002  4 points, 2017-18, 2018-19
One course every year is identified as the Poetics and Theory Seminar, which focuses on the subject matter of the conference so that students have a curricular framework for preparing a paper for the conference. This course is meant for students who are already at an advanced stage in their research.
Master of Arts

Admission: Admission to the M.A. program in politics is granted for the fall semester only. Admission is limited to students whose academic records and letters of recommendation indicate exceptional promise of success in the advanced study of political science. This means an outstanding undergraduate record or other related evidence. Applicants with lower averages may be admitted where there is indication of a particular strength in political science and clear aptitude for graduate work. The general test of the Graduate Record Examination (GRE) is required of all students, including all international students applying from countries in which the GRE is offered. All international students who are not native English speakers are also required to submit scores from the Test of English as a Foreign Language (TOEFL).

Course of Study: Four departmental fields of study are offered: political philosophy and theory, political economy, American politics, and comparative politics. Students are required to complete a total of 36 points consisting of the following: eight courses (32 points), of which at least six must be in the department and four must be in one departmental field; an internship and corresponding Internship Seminar, POL-GA 3995; and a master’s thesis and corresponding Master’s Thesis Seminar, POL-GA 4000. Courses in the major field must include the field core course. This core course and one additional core course are required and are usually the first courses taken in the department. The internship may be substituted with a 2 point reading and research course approved by the program director. Students are expected to maintain a grade point average of 3.0 (on a 4.0 scale) in work for the master’s degree. Each student should meet with the M.A. program adviser every semester to discuss and agree on a course of study. The director of the M.A. program will assign an adviser prior to the start of the student’s first semester.

As noted above, students must also complete the master’s thesis as part of the Master’s Thesis Seminar course. The thesis will be a heavily researched academic work consisting of 10,000-15000 words dealing with an important and timely topic in politics related to a student’s chosen concentration. The thesis should demonstrate that a student has a sufficient command of literatures and arguments pertaining to the chosen topic. Students are required to notify the thesis seminar course instructor at the initiation of research for the master’s thesis and register for the M.A. thesis course. In conjunction with the M.A. advisor and the thesis seminar instructor, students will choose a faculty thesis supervisor. Once a thesis topic and supervisor are designated, the director of M.A. program must approve changes to them.
Foreign Language Requirement: Students must demonstrate proficiency in one language other than English or, with permission of the director of the M.A. program, in statistics. Students demonstrate proficiency in a foreign language by passing the GSAS foreign language proficiency examination or by completing an intermediate-level foreign language course with a grade of B or better. Students demonstrate proficiency in statistics by completing Introduction to Quantitative Political Analysis II, POL-GA 2127, with a grade of B or better.

Doctor of Philosophy

The goal of the Ph.D. program is to prepare students to conduct research, to teach, or to work in applied settings at the best institutions in the United States and abroad. To achieve this goal, the program specifies the distribution of courses, the substance and timing of requirements, the forms of faculty supervision, and the criteria for advancement within the program.

Admission: The general test of the Graduate Record Examination (GRE) is required of all students, including all international students applying from countries in which the GRE is offered. All international students who are not native English speakers are also required to submit the Test of English as a Foreign Language (TOEFL) scores. Letters of recommendation must clearly indicate that an applicant is capable of successfully pursuing the doctorate. The applicant is also required to submit a writing sample and statement of educational background and objectives. A bachelor’s degree is required for admission to the Ph.D. program. A Master of Arts degree is not a requirement for admission to the Ph.D. program.

Course Requirements: Students must complete 72 points (18 courses). Students are required to take one core course in each of at least three substantive subfields. To further guard against excessive specialization, students must take at least three courses (12 points) in each of at least two fields. Course credits transferred from another institution may count toward the fulfillment of this requirement. The fields presently recognized by the department include (1) political philosophy and theory, (2) political methodology, (3) American politics, (4) political economy, (5) comparative politics, and (6) international relations. In consultation with their adviser, students may petition the director of graduate studies (DGS) to create a field of their own making. Such a field may be interdisciplinary. Doctoral students are required to maintain a 3.5 grade point average.

When entering the program, students should declare their intended field, which can be changed at any time in consultation with the student’s adviser. A student specializing in any recognized field may have to satisfy course requirements established by faculty in this field. Admission to some advanced courses may be conditional on students having taken prerequisites or having an equivalent background. In all cases, students must consult their adviser to plan a comprehensive program of courses and inform their adviser of any changes. There are no limits on courses taken in other departments or other university members of the Inter-University Doctoral Consortium (see the Admission, Registration and Degree Requirements section of this bulletin for details) other than those specified by
GSAS. Students are encouraged to develop knowledge and acquire methodological skills in sister disciplines.

To train themselves in academic research and writing, students are encouraged to write research papers, typically by applying or developing the work of a particular course in subsequent reading and research courses. The two required papers, the M.A. paper and the Ph.D. qualifying paper (see below), are normally prepared in this way.

**Masters Paper:** Students who enter the program without an M.A. degree must present a written Masters paper by no later than the beginning of their second year. The specific requirements for the paper depend on the field, but the general rule is that it should have the format of an article in this field. The topic of the Masters paper should be chosen in consultation with faculty members. On completion, the paper is submitted for reading by two faculty members chosen by the director of graduate studies (DGS), no later than within two months after submission. The paper can receive a high pass, a low pass, or a failing grade. If the paper does not receive a unanimous high pass, the student may revise and resubmit it by no later than the beginning of the fourth semester of residence. If the paper receives a low pass and the student maintains at least a 3.0 grade point average, the student is granted the M.A. degree but must leave the program. If the paper receives a failing grade or if the student's grade point average is below 3.0, no degree is granted. If the revised paper receives different grades from the two readers, the DGS appoints a third reader and the expanded committee will decide the grade. A masters paper and grade record are satisfactory is considered to have advanced toward the Ph.D.

**M.A. Waiver:** Students entering with an M.A. degree from an equivalent institution may petition for a waiver of up to one year of course requirements (equivalent of 24 points). For this purpose, a copy of the M.A. thesis must be submitted to the director of graduate studies (DGS) when the student enters the program. The DGS appoints two faculty members as readers to decide whether the thesis is equivalent in standards and quality to the department's requirements. If the M.A. thesis is approved, the student submits the waiver petition to the DGS at the end of the first year of residence. In consultation with the readers, the DGS decides whether or not to waive residence requirements on the basis of the M.A. thesis and the grade record of the student during the first year at New York University. Please note that if a student is granted a waiver of 24 points, he or she is required to waive one year of academic funding.

**Communications Requirement:** Doctoral students must demonstrate proficiency in a language other than English. The Graduate School of Arts and Science determines which languages qualify, but another language can be substituted on recommendation of the student's adviser and the director of graduate studies and with approval of the language coordinator. A student whose native language is not English should consult the director of graduate studies regarding fulfillment of the communications requirement.
Ph.D. Qualifying Examination: No later than the end of the fifth semester in residence (third semester for students who receive an M.A. waiver), students must complete the Ph.D. qualifying examination, which consists of the submission of a qualifying paper (QP) and the oral defense of a syllabus. The QP is a research paper of publishable quality, satisfying all formal requirements for an article in a given field. Before writing the paper, students should submit a brief proposal to at least two faculty members, who become “readers” on approving this proposal. The topic (but not necessarily the field) of the QP must differ from that of the Masters paper, and the two papers must be read by at least four different readers. The work on the QP can be and should be assisted by faculty. Readers evaluate this paper within two months of submission. The readers have the option of accepting the paper, suggesting revisions, or rejecting the paper. If invited to do so, the student may revise the paper and resubmit it within six months. If the revision is not accepted by both readers, the student is considered to have failed this requirement.

Original Annotated Syllabus: Students must also submit an original annotated syllabus for a graduate introduction to a field. This syllabus should attest to the understanding of the structure of the field, as well as to the knowledge of the primary and secondary literature. This syllabus is presented at an oral hearing to two faculty members, who then pass or fail the syllabus and its defense. Students who successfully complete both of these requirements qualify as candidates for the Ph.D. degree. Students who do not satisfy both requirements by the end of the third year (second year for students who receive an M.A. waiver) are required by the department to leave the program, save for exceptional circumstances.

Dissertation: After completing the qualifying examination, students must present a Ph.D. dissertation proposal. The proposal ordinarily should be presented before the end of the third year in residence (second year for students who receive an M.A. waiver). Students who do not present a proposal within one calendar year of passing their qualifying examination must petition the DGS to be allowed to do so. Before beginning to work on the Ph.D. dissertation, students must form a thesis committee, comprising at least three faculty members (the committee chair and two members), of whom at least two must be members of the department. Students should consult with the committee while preparing the proposal and working on the thesis. The proposal should specify the problem to be researched, summarize the current state of knowledge, describe research procedures, and identify the bodies of relevant information. It should be no more than 15 single-spaced pages, plus a bibliography. The dissertation committee must approve the proposal. When all members are satisfied with the proposal, the committee meets with the student in an advisory hearing. Acceptance of the proposal signals that the student has satisfied all the requirements for the Ph.D. degree other than the dissertation.

The dissertation must constitute a substantial body of original research of publishable quality. Except by the expressed permission of the chair of the department, the dissertation should not exceed 100,000 words. Once members of the committee approve the dissertation, an oral defense is scheduled. After the student’s thesis director approves the dissertation and the dissertation committee agrees that it is ready for defense, a final oral defense is scheduled before a panel of five faculty
members appointed by the chair of the department or the director of graduate studies. The GSAS regulates the procedures for this defense. The department expects students to complete the dissertation and its defense within four years after finishing course requirements.

**Dual Degree Doctor of Philosophy in Politics and Juris Doctor**

This dual degree program allows accepted applicants to obtain a Ph.D. in politics from the Graduate School of Arts and Science and a J.D. from the School of Law. Students must complete requirements for both programs but may count some courses toward both programs. Students enroll each year either in the Department of Politics or in the School of Law, and separate funding must be obtained for both the Department of Politics and the School of Law years. The Ph.D. requires 72 points of coursework, of which 12 Law School points will be accepted. Up to 12 points of Graduate School credit will also be counted toward the J.D. degree. The joint degree, therefore, requires a total of 130 points (70 at the School of Law and 60 at the Graduate School of Arts and Science). Because some of the credits earned in each program will count toward the other degree, it is possible to complete the course requirements for both degrees in five years of full-time study. Those interested in this dual degree must apply to and be accepted by both New York University School of Law and New York University Graduate School of Arts and Sciences, either simultaneously or during the first year of study at the Law School.

**COURSES**

**Political Philosophy and Theory**

**History of Political and Social Thought**

POL-GA 1100  Core course. 4 points. 2017-18, 2018-19

Major political thinkers of past and present. Special reference to enduring problems in political theory.

**Methods of Political and Social Analysis**

POL-GA 2106  4 points. 2017-18, 2018-19

Nature and functions of theory, particularly Marxist dialectic, that attempt to analyze political phenomena systematically; historical, sociological, psychological, and phenomenological research; classical and current works.

**Communism**

POL-GA 2140  4 points. 2017-18, 2018-19

Fundamentals of modern communist thought; writings of Marx, Engels, Lenin, and their major critics. Emphasis is on communism as the unrealized potential of capitalism and therefore more on what in capitalism suggests this potential and less on the precapitalist societies that called themselves “communist.”
Seminar in Political Theory
POL-GA 3100, 3101 Required of all Ph.D. candidates majoring in political theory. 4 points. 2017-18, 2018-19
General seminar in political philosophy. The specific topic of the seminar varies, but this is an advanced seminar that assumes extensive background.

Political Methodology

Mathematics for Political Scientists
POL-GA 1110 4 points. 2017-18, 2018-19
Covers basic topics of mathematics—calculus, linear algebra, optimization, real analysis—with wide application in political science, and introduces the student to the rigorous and formal mathematical language used in Game Theory I, Game Theory II, Political Economy Core, and more advanced courses.

Introduction to Quantitative Political Analysis
I POL-GA 1120 For M.A. students only. 4 points. 2017-18, 2018-19
Introduces elementary statistical analysis and prepares the student for POL-GA 2127. Topics include probability theory, distribution theory, estimation of simple statistical models, and hypothesis testing.

Introduction to Quantitative Political Analysis I
POL-GA 1250 For Ph.D. students only. 4 points. 2017-18, 2018-19
Introduces elementary statistical analysis and prepares the student for POL-GA 1251. Topics include probability theory, distribution theory, estimation of simple statistical models, and hypothesis testing.

Introduction to Quantitative Political Analysis II
POL-GA 1251 For Ph.D. students only. 4 points. 2017-18, 2018-19
Builds on POL-GA 2151. Provides working knowledge of some of the quantitative methods used in political science research. Emphasis is on using and critiquing the general linear model. Introduction to categorical data analysis and research methodology.

Game Theory I
POL-GA 1260 For Ph.D. students only. 4 points. 2017-18, 2018-19
Survey of the main concepts and findings of game theory that are relevant to the study of politics.

Formal Modeling in Political Science
POL-GA 2105 4 points. 2017-18, 2018-19
Introduction to formal modeling and deductive theorizing. Main tools of analysis used are decision theory, game theory, and social choice theory.

Game Theory and Politics
POL-GA 2108 For M.A. students only. 4 points. 2017-18, 2018-19
Survey of the main concepts and findings of game theory that are relevant to the study of politics.
Introduction to Quantitative Political Analysis II
POL-GA 2127  For M.A. students only. 4 points. 2017-18, 2018-19
Builds on POL-GA 1120. Provides working knowledge of some of the quantitative methods used in political science research. Emphasis is on using and critiquing the general linear model. Introduction to categorical data analysis and research methodology.

Math and Democracy: Designing Better Voting and Fair-Division Procedures
POL-GA 2170  4 points. 2017-18, 2018-19
Analysis of democratic procedures, or rules of play, that (1) reflect the interests of the citizens in elections and (2) respect due process and rule of law in the fair division of public and private goods. By making precise the properties of these procedures and clarifying trade-offs among them, mathematics strengthens the intellectual foundations of democratic institutions. While mathematical training is helpful in understanding some topics in the course, more important is the ability to think carefully and rigorously about the nature of democracy and its institutions.

Quantitative Methods in Political Science III
POL-GA 2251  For Ph.D. students only. 4 points. 2017-18, 2018-19
Builds on POL-GA 1250 and 1251. Concentrates more specifically on political science research methods. Emphasis is on problems of research design, data collection, statistical solutions, data analysis, and statistical theory.

Game Theory II
POL-GA 2260  For Ph.D students only. 4 points. 2017-18, 2018-19
Builds on POL-GA 1260 and POL-GA 1110. Advanced analysis of the concepts and findings of game theory as relevant to the study of politics.

Seminar in Political Methodology
POL-GA 3200  Required of all Ph.D. candidates majoring in political methodology. 4 points. 2017-18, 2018-19
The specific topic of the seminar varies, but this is an advanced seminar requiring extensive background.

American Politics
American Politics—The Domestic Politics of the United States I
POL-GA 1350  Core course. 4 points. 2017-18, 2018-19
Broad overview of important topics in the study of the domestic politics in the United States. Examines in depth the analysis and merits of a selection of contemporary research on political participation, mass opinion, elections, legislative politics, interbranch relations, bureaucratic politics, judicial politics, federalism, inequality, and the role of money in politics. Course goals are to (1) introduce students to important controversies in the study of American domestic politics and (2) encourage students to think rigorously about the process of conducting political research.
American Politics—The Domestic Politics of the United States II
POL-GA 1351 Core course. 4 points. 2017-18, 2018-19
A more focused exploration of important topics in the study of the domestic politics of the United States. Examines in depth the analysis and merits of a selection of contemporary research on political participation, mass opinion, elections, legislative politics, interbranch relations, bureaucratic politics, judicial politics, federalism, inequality, and the role of money in politics.

Campaigns and Elections
POL-GA 2324 4 points. 2017-18, 2018-19
Analysis of U.S. election processes through theoretical and practical approaches to the study of voting, campaigns, and elections. Studies role of parties, pressure groups, media, polls, etc.

Public Policy
POL-GA 2371 4 points. 2017-18, 2018-19
Advanced-level study of policymaking process in federal politics and research issues raised by it. Emphasis is on interaction of policy analysis and political institutions. Some prior knowledge of public policy is assumed.

Seminar in American Government and Politics
POL-GA 3300, 3301 Required of all Ph.D. candidates majoring in American politics. 4 points. 2017-18, 2018-19
General seminar in American government. The specific topic of the seminar varies, but this is an advanced seminar requiring extensive background.

Political Economy

Political Economy
POL-GA 1400 Core course. For M.A. students only. 4 points. 2017-18, 2018-19
Overview of the emerging field of political economy. Surveys three broad intellectual traditions prominent in the political economy literature: (1) the application of microeconomic, game theoretic, and public choice theory to politics, (2) a focus on institutions and the behavior of their related politics, and (3) Marxian and neo-Marxian approaches. The course requires an understanding of basic microeconomics.

Political Economy
POL-GA 1450 Core course. For Ph.D. students only. 4 points. 2017-18, 2018-19
Overview of fundamental contributions to the field of political economy. Covers topics in (1) social choice and collective aggregation of preferences; (2) electoral competition; the spatial model and theories of turnout; and (3) public choice, public economics, and comparative electoral systems. The course requires an understanding of mathematical background at the level of POL-GA 1110 or above.
Politics of Economic Growth
POL-GA 2424  4 points. 2017-18, 2018-19
Introduction to growth economics, the impact of intracountry inequality on growth, the effects of voter preferences and government policies on economic growth. Knowledge of some economics (microeconomics with calculus), game-theory (perfect Bayesian equilibrium), and statistics (OLS) is assumed.

Seminar in Political Economy
POL-GA 3400  Required of all Ph.D. candidates majoring in political economy.  4 points. 2017-18, 2018-19
General seminar in political economy. The specific topic of the seminar varies, but this is an advanced seminar that assumes extensive background.

Comparative Politics
Comparative Politics
POL-GA 1500  For M.A. students only. Core course.  4 points. 2017-18, 2018-19
Basic approaches to comparative political inquiry and the application of these approaches to specific problems of political analysis. Understanding of political phenomena in a comparative perspective.

Comparative Politics of Industrialized Democracies
POL-GA 1550  For Ph.D. students only. Core course.  4 points. 2017-18, 2018-19
Introduction to the comparative study of politics in different institutional and cultural settings. Themes covered include the role of institutional “veto players”; presidential and parliamentary government; bicameral and unicameral legislatures; the institutional structuring of legislative decision making; electoral systems; social capital/civic culture; social and political cleavages; dimensions of policy and ideology; voting; party competition; and the making and breaking of governments.

Comparative Politics of Developing Countries
POL-GA 1551  For Ph.D. students only. Core course.  4 points. 2017-18, 2018-19
Introduction to the methodology and to some of the main themes in comparative politics of developing countries. Prepares students to do comparative research through an in-depth coverage of current debate in comparative politics of developing countries and an introduction to the main methodological approaches.

The Political Economy of Development
POL-GA 2536  4 points. 2017-18, 2018-19
Assesses the issues and debates in the current literature on the political economy of development; analyzes principal characteristics of the contemporary world economy, especially patterns of inequality and the varying explanations for their emergence.

Middle Eastern Government and Politics
POL-GA 2590  4 points. 2017-18, 2018-19
Political analysis of the Middle East, covering such issues as class and state formation, political economy of oil, problems of development, rural and urban politics, regional conflict, politics of gender, and religious identity.
Seminar in Comparative Politics
POL-GA 3500, 3501  Required of all Ph.D. candidates majoring in comparative politics. 4 points. 2017-18, 2018-19
General seminar in comparative politics. The specific topic of the seminar varies, but this is an advanced seminar requiring extensive background.

International Relations

International Relations: Cooperation and Political Economy
POL-GA 1750  For Ph.D. students only. Core course. 4 points. 2017-18, 2018-19
Core course that covers two crucial areas in international relations: cooperation and political economy. Covers general theories of cooperation that are useful for understanding cooperation across issue areas including human rights, peacekeeping, and international trade and finance in international politics.

International Relations: Conflict
POL-GA 1751  For Ph.D. students only. Core course. 4 points. 2017-18, 2018-19
Survey of modern approaches to the study on international conflict. Emphasis is placed on rigorous scientific approaches that use models to derive testable implication as to conflict relations.

U.S. Foreign Policy
POL-GA 2750  4 points. 2017-18, 2018-19
American foreign policy and the major international problems facing the United States today.

The Political Economy of North-South Relations
POL-GA 2770  4 points. 2017-18, 2018-19
Major issues involved in restructuring the international economic system. Analyzes initiatives of the Western, Socialist, and developing countries. Emphasis is on trade and monetary questions. Acquaintance with international politics and economics is necessary.

The Political Economy of the Pacific Basin
POL-GA 2774  4 points. 2017-18, 2018-19
Evaluates recent trends in East Asian and Pacific economic and political developments. The character of economic growth, the nature of the political systems, and implications of recent dynamism. Overall trends are analyzed with discussion focused on three distinct regions: Northeast Asia, Southeast Asia, and the Pacific Islands.

International Political Economy
POL-GA 2775  4 points. 2017-18, 2018-19
A general introduction to the field: evolution of the international political economy, international cooperation, international institutions, international trade and finance policy, macroeconomic policy coordination.

International Law
POL-GA 2900  4 points. 2017-18, 2018-19
Rules that govern in the legal relationship and current development of law among
nations, based on the study of cases. The use of the law for the regulation of international behavior and environment.

Seminar in International Politics
POL-GA 3700  Required of all Ph.D. candidates majoring in international relations. 4 points. 2017-18, 2018-19
General seminar in international politics. The specific topic of the seminar varies, but this is an advanced course requiring extensive background.

Internship Supervision

Internship Seminar
POL-GA 3995  Prerequisite: approved internship position consistent with student's academic and/or career trajectory. 2 points. 2017-18, 2018-19

Thesis Supervision

Master's Thesis Seminar
POL-GA 4000  Prerequisites: completion of all course work, or on track to complete all course work, during the semester in which enrolled in course; approved master's thesis proposal. 2 points. 2017-18, 2018-19
Required capstone course for students in the M.A. program. Support for thesis-writing process.

Reading And Research

Dissertation Research
POL-GA 3951  Prerequisite: completion of comprehensive examination. 4 points. 2017-18, 2018-19
Individual research related to the doctoral dissertation.

Reading and Research in Politics
POL-GA 3991, 3992, 3993  Prerequisite: written petition stating the need for the course and including a preliminary bibliography, approved by the professor supervising the course and by the director of graduate studies. No more than 12 points of reading and research may be taken during a student's graduate program, of which no more than 8 points may be taken during work on the master's degree. 1-4 points per term. 2017-18, 2018-19
Tutorial for students whose individual needs are not met by formal courses. A substantial research paper or final examination is required.

Workshop in Political Science
POL-GA 3955  Prerequisite: Student must be engaged in research and must be ready to make a research presentation and receive comments on that research. 2 points. 2017-18, 2018-19
Continues the student's education in how to do political research and is seen as a key aspect in helping students to complete in a timely manner, and improve the quality of, their dissertation (and related) research.
PROGRAMS AND REQUIREMENTS

Master of Arts in Psychology

The Master of Arts degree in psychology is offered to students wishing to advance their status in a psychology-related occupation or to strengthen their knowledge and research skills in the field in preparation for later pursuit of the Ph.D. degree. It should be emphasized that the M.A. program offers a terminal degree. All students who wish to obtain a Ph.D. degree must apply directly to their program of choice during the Ph.D. application period (see under Doctor of Philosophy). Applicants seeking admission to a Master of Arts program in psychology should have graduated from college with an average of B or better. An undergraduate psychology major is not required. However, all applicants must have completed courses in: 1) introductory psychology and 2) in introductory statistics with grades of B or better to be eligible for admission. All applicants must provide a report from the general test of the Graduate Record Examination (GRE) or the Graduate Management Admission Test (GMAT). Competitive scores for the GRE are considered at least 158 in the verbal and at least 156 in the quantitative sections as well as a score of 4.5 or above in the analytical writing section. Competitive scores for the GMAT are considered at least 36 in the verbal and at least 43 in the quantitative sections as well as a score of 4.5 or above in the analytical writing section. A competitive overall GMAT score is considered a 600 or above. In addition, international applicants who are not native English speakers must achieve a score of at least 100 on the Test of English as a Foreign Language (TOEFL) or at least a score of 7.5 on the International English Language Testing System (IELTS). Most competitive applicants achieve a TOEFL score over 105. Applications are accepted for fall, spring, or summer admission.

Formal requirements for the M.A. degree in psychology are the satisfactory completion of 36 points (at least 24 in residence at New York University) and either a written comprehensive examination or a master’s thesis. All students must pass Intermediate Master’s Statistics, PSYCH-GA 2016, or the equivalent. Students must pass core courses with a grade of B or better and must maintain an overall B average. Satisfactory completion of four core courses chosen from three core groups, as follows is required: 1) a total of three from core A (PSYCH-GA 2010 Principles of Learning; PSYCH-GA 2012 Physiological Basis of Behavior; PSYCH-GA 2025 Cognitive Psychology; and PSYCH-GA 2027 Cognitive Neuroscience) and core B (PSYCH-GA 2014 Psychology of Social Behavior; PSYCH-GA 2015 Theories of Personality; PSYCH-GA 2020 Child Development; PSYCH-GA 2034 Foundations of Psychopathology; and PSYCH-GA 2049 Affective Neuroscience), such that each core is sampled; and 2) one from core...
C (research: PSYCH-GA 2066 Clinical Research Methods, PSYCH-GA 2069 Consumer Research Methods; and PSYCH-GA 2126 Research Methods & Experience). Note that either PSYCH-GA 2027 Cognitive Neuroscience or PSYCH-GA 2049 Affective Neuroscience can be taken to meet a core requirement. If both are taken, one will count as an elective. The program may be completed on a part-time or full-time basis, providing that all course work and either a comprehensive exam or thesis are completed within a five-year period.

Master of Arts in Industrial/Organizational Psychology

Applicants seeking admission should have graduated from college with an average of B or better. An undergraduate psychology major is not required. However, all applicants must have completed courses in introductory psychology and in introductory statistics with grades of B or better to be eligible for admission. All applicants must provide a report from the general test of the Graduate Record Examination (GRE) or the Graduate Management Admission Test (GMAT). Competitive scores for the GRE are considered at least 158 in the verbal and at least 156 in the quantitative sections as well as a score of 4.5 or above in the analytical writing section. Competitive scores for the GMAT are considered at least 36 in the verbal and at least 43 in the quantitative sections as well as a score of 4.5 or above in the analytical writing section. A competitive overall GMAT score is considered a 600 or above. In addition, international applicants who are not native English speakers must achieve a score of at least 100 on the Test of English as a Foreign Language (TOEFL) or at least a score of 7.5 on the International English Language Testing System (IELTS). Applications are accepted for fall, spring, or summer admission.

Formal requirements for the M.A. degree in I/O psychology are the satisfactory completion of 36 points (at least 24 in residence at New York University) and either a written comprehensive examination or a master’s thesis. All students must pass Intermediate Master’s Statistics (PSYCH-GA 2016), or the equivalent. Students must pass core courses with a grade of B or better and must maintain an overall B average. Satisfactory completion of PSYCH-GA 2032 Introduction to Industrial/Organizational Psychology, two courses from core I: PSYCH-GA 2070 Personnel Selection, PSYCH-GA 2071 Performance Measurement and Rewards, and PSYCH-GA 2073 Training in Organizations, two courses from core O: PSYCH-GA 2072 Work Motivation and Attitudes, PSYCH-GA 2074 Organizational Development, and PSYCH-GA 2076 Leadership and Strategic Change, and a research course, normally PSYCH-GA 2067 Applied Research Methods are also required. The program may be completed on a part-time or full-time basis, providing that all course work and either a comprehensive exam or thesis are completed within a five-year period.

Doctor of Philosophy in Cognition and Perception

Applicants to the doctor of philosophy in cognition and perception program should have graduated from college with an outstanding undergraduate record. An undergraduate major in psychology is not required. The cognition and perception
communicate mathematical approaches clearly. After completion of the required number of points, doctoral students maintain matriculation by fee each semester until completion of the dissertation. Five years of post-baccalaureate study are usually required to complete the Ph.D. degree; however, no more than seven years may elapse between matriculation and the completion of all degree requirements.

Continuation as a matriculant is contingent on the demonstration of satisfactory progress toward the doctorate. It cannot be overemphasized that the accumulation of high grades in formal courses, while important, is secondary to the completion of research that contributes significantly to the field and is effectively presented in the dissertation.

Training for research begins when students enter the program and culminates in the doctoral thesis. Students become active members of one of the productive research laboratories associated with the program, facilitating contact with faculty members, advanced students, and postdoctoral scientists.

The Department of Psychology offers a unique concentration in developmental psychology. Students engage in advanced-level seminars and research with faculty affiliated with both developmental psychology and their chosen field of interest. The fact that the concentration cuts across different areas of psychology assures that students receive broad exposure to theories of development and methods of studying developmental change across a range of content areas. Students pursue a specific course of study in developmental psychology within the required curriculum of their core psychology program. They attend and present their research at weekly lab meetings. Nationally renowned developmental scholars are invited to present their research to the program, and students have the opportunity to discuss their work with them.

Students may also specialize in quantitative psychology, which involves mathematical representations of behavioral data, using statistical analysis and mathematical models of psychological phenomena. All areas of psychology can be approached from a quantitative perspective, so it is possible to pursue a quantitative specialization from any of the doctoral specialty programs. Students take elective courses in advanced statistical and/or mathematical topics and demonstrate an ability to communicate mathematical approaches clearly.

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**Craig, Maureen**, Assistant Professor. Ph.D. 2014, Northwestern University; B.A. 2008, Purdue. Understanding social and political attitudes and relations among members of different social groups.


How are memories formed? Why do we only remember some of what we encounter? Why do we remember some events in exquisitely rich detail, only have a sense or feeling that we’ve encountered other events, and still forget others entirely?


Split-second social perception—how we use facial cues to instantly categorize other people into social groups (e.g., gender and race) and perceive their personality traits and emotion.

**Adrienne Gans**, Clinical Associate Professor. Ph.D. 1974, Stony Brook University (SUNY). Self-concept; organizational and leadership resilience; emotional intelligence; aesthetics and creativity.

**Peter Gollwitzer**, Professor. Ph.D. 1981, University of Texas (Austin); M.A. 1977, Ruhr-Bochum; B.A. 1973, Regensburg. Identity goals; action phases and mindsets; planned goal striving; conscious vs. nonconscious goals.

Doctor of Philosophy in Social Psychology

Applicants to doctor of philosophy in social psychology program should have graduated from college with an outstanding undergraduate record. An undergraduate major in psychology is not required. The cognition and perception program places a particular emphasis on research experience. The Graduate Record Examination (GRE) general test is required of all applicants. The GRE psychology test is not required. Matriculants are admitted only in the fall term and only on a full-time basis. See also the Degree Requirements section of this bulletin. International applicants who are not native English speakers are also required to take the Test of English as a Foreign Language (TOEFL), including the writing test.

Formal requirements for the doctorate in social psychology include the satisfactory completion of 72 points (at least 32 in residence at New York University); two terms of statistics, either PSYCH-GA 2228 Intermediate Statistics and PSYCH-GA 2229 Regression, or courses approved by the program director; satisfactory completion of an oral or written comprehensive examination, and presentation of an acceptable dissertation. After completion of the required number of points, doctoral students maintain matriculation by fee each semester until completion of the dissertation. Five years of post-baccalaureate study are usually required to complete the Ph.D. degree; however, no more than seven years may elapse between matriculation and the completion of all degree requirements. Continuation as a matriculant is contingent on the demonstration of satisfactory progress toward the doctorate. It cannot be overemphasized that the accumulation of high grades in formal courses, while important, is secondary to the completion of research that contributes significantly to the field and is effectively presented in the dissertation.

The program encourages faculty-student interaction through a weekly research seminar called the Social Psychology Brownbag Series. Students present in the series each year, and presentations may focus on proposed research designs, literature reviews or new empirical findings. Students also regularly present papers at regional, national and international psychology meetings. Informal presentations are often given in laboratory meetings, which most faculty members hold on a weekly basis. Students are explicitly encouraged to attend more than one lab meeting to expand their research breadth. Hands-on research training is a core component of the doctoral training.

The Department of Psychology offers a unique concentration in developmental psychology. Students engage in advanced-level seminars and research with faculty affiliated with both developmental psychology and their chosen field of interest. The fact that the concentration cuts across different areas of psychology assures that students receive broad exposure to theories of development and methods of studying developmental change across a range of content areas. Students pursue a specific course of study in developmental psychology within the required curriculum of their core psychology program. They attend and present their research at weekly lab meetings. Nationally renowned developmental scholars are invited to present their research to the program, and students have the opportunity to discuss their work with them.

Catherine Hartley, Assistant Professor. Ph.D. 2011, New York University; B.S. 1999, Stanford University. Characterizing the development and dynamics of the learning, memory, and decision-making processes that shape our behavior.

David Heeger, Professor (Psychology, Neural Science). Ph.D. 1987, B.A. 1983, University of Pennsylvania. Functional magnetic resonance imaging (fMRI); visual pattern discrimination; stereo depth perception; visual motion perception; visual attention; visual awareness; visual impairments in developmental dyslexia.


Eric D. Knowles, Assistant Professor. Ph.D. 2003, University of California (Berkeley); B.A. 1995, Cornell University. Intergroup relations, political psychology.


Students may also specialize in quantitative psychology, which involves mathematical representations of behavioral data, using statistical analysis and mathematical models of psychological phenomena. All areas of psychology can be approached from a quantitative perspective, so it is possible to pursue a quantitative specialization from any of the doctoral specialty programs. Students take elective courses in advanced statistical and/or mathematical topics and demonstrate an ability to communicate mathematical approaches clearly.

**FACILITIES**

The Department of Psychology maintains laboratories, classrooms, project rooms, an MEG system, and a magnetic resonance (MR) neuroimaging facility in an 11-story building near Washington Square Park. Modern laboratories are continually improved through grants from foundations and federal agencies.

The Center for Brain Imaging (CBI) is a shared research center, dedicated for research and instruction in human neuroscience at NYU. The Center houses a Siemens Allegra 3T head-only MRI scanner specifically designed for brain research with an extremely flexible development environment. The magnet itself is very compact and actively shielded, resulting in a fringe field comparable to that of a 1.5T whole-body system. Also within the Center are many ancillary equipment options, including visual display, auditory stimulation, button box/MR compatible keyboards, eye movement monitoring, motion capture systems, psychophysiology, and a mock/training scanner laboratory. Additionally, CBI also maintains a 128-channel electroencephalogram (EEG) facility using Geodesic Sensor Net technology developed by Electrical Geodesics Inc. as well as a transcranial magnetic stimulation (TMS) facility, which houses a MagStim Rapid2 stimulator.

The MEG Lab houses a 160 channel axial gradiometer system open for use by faculty and students studying neural responses in cognitive and perceptual experiments. The MEG system is set up for simultaneous EEG and eye-tracking measurements.

The department maintains computer classrooms and laboratories. Faculty laboratories are equipped with specialized computer equipment within each of the graduate programs. The department collaborates closely with the Center for Neural Science in maintaining a technical shop for computer and network support as well as the development of specialized electronics. There is also a fully equipped machine shop. Research facilities for doctoral students include access to individual and group research space wired for computer-aided data collection as well as access to CBI and MEG facilities. Doctoral students are thoroughly trained in human subject issues that promote the safety and well-being of research participants, and have access to undergraduates volunteering for studies to gain experience in psychological research methods.


Computational vision; measurement theory and methodology; mathematical models of perception and cognition.


Linguistic theory; syntax; morphology; neurolinguistics.


Language acquisition; computational models of language and cognition; connectionism; cognitive development.

**Brian McElree**, Professor. Ph.D. 1990, M.Phil. 1989, Columbia University; M.A. 1984, University of Western Ontario; B.Sc. 1982, University of Toronto.

Human memory, attention, and language processing.


Research Methods and Statistics.


Concepts and categories: concept acquisition; categorization processes. Reasoning, category-based induction


Self-regulation of goal setting and goal disengagement.


Visual perception. What kind of neural computation allows us to recognize objects? What limits what we see?


Cognitive neuroscience of human learning and memory, particularly as it is influenced by emotion.
COURSES

Master's Courses

Psychology of Music
PSYCH-GA 2002  Prerequisite: instructor permission. Staff. 3 points. 2017-18, 2018-19
This seminar presents an overview of the current and growing research in the psychology of music focusing on the cognition of music and on musical emotions. The study of music cognition and music perception reflects basic cognitive ad perceptual processes because music is a projection of the mind. In addition to evaluating research on the perception of melody, harmony, and rhythm, this seminar reviews research on listening, learning, and performing music focusing on how musical training and musical emotions relate to these activities. We examine recent studies on the neurological basis of music focusing on those that address how music training and musical emotions affect the brain. Moreover, we draw parallels between music and language, and evaluate music’s communicative power in a variety of settings including advertising. In each class, we listen to musical examples that illustrate the research.

Principles of Learning
PSYCH-GA 2010  Staff. 3 points. 2017-18, 2018-19
Examines major theories of learning with relevance to instrumental and Pavlovian conditioning, motivation, and affect. Explores relevant research on traditional and contemporary issues in learning. Emphasis is on human learning and behavior modification.

Sensation & Perception
PSYCH-GA 2011  Staff. 3 points. 2017-18, 2018-19
Experimental foundations and theoretical approaches to problems of sensing, perceiving, and interpreting sensory information. Receptor function and physiology, discrimination, adaptation, attention, perceptual learning, and psychophysical methods of research and assessment.

Physiological Basis of Behavior
PSYCH-GA 2012  Staff. 3 points. 2017-18, 2018-19
Survey of biological and chemical correlates of behavior, especially concerning the central nervous system, the autonomic nervous system, and the endocrine system, as related to sensation, drive, emotion, learning, and memory.

Psychology of Social Media
PSYCH-GA 2013  Staff. 3 points. 2017-18, 2018-19
Has the persistent use of social media applications become internalized as part of our psychological DNA; an implicit social “operating system” triggering behavioral routines? How does social media engagement affect self-concept, self-esteem and mood regulation? What are the psychological mechanisms by which socially-networked groups drive change on the political, consumer advertising, and cultural landscapes? What is the difference between engagement, habit, and addiction to social media? Accelerated 24/7 communications alters the experience of

Human auditory cortex physiology; neural basis of speech perception; auditory/speech psychophysics; (mostly lexical level) psycholinguistics and neurolinguistics.

Neurolinguistics; psycholinguistics; semantics, syntax, lexicon.

Categorization, category learning, causal reasoning, knowledge representation, computational modeling, eye tracking.

Cognitive development, with particular emphasis on the development of social cognition, the influence of culture on conceptual development, processes of conceptual change, and categorization and induction.

Patrick E. Shrout, Professor. Ph.D. 1976, University of Chicago; B.A. 1972, St. Louis University.
Coping and support in relationships; multivariate statistical models for social psychology; Diary and survey methodology.

Judgment and decision making; motivation; causal attribution.

Person perception; personality trait inferences and stereotyping; the role of intentions in cognitive processing.
psychological, temporal, and physical distance between people. Does this change the nature of what we experience as a “relationship,” a “family” or a “friend?”

**Psychology of Social Behavior**

PSYCH-GA 2014  *Staff. 3 points. 2017-18, 2018-19*

Current theory and research in social behavior and social issues. Topics include social cognition, attribution, affiliation and social comparison, aggression, equity and social exchange, attitudes and attitude change, conformity, and group dynamics. Applications are discussed.

**Theories of Personality**

PSYCH-GA 2015  *Staff. 3 points. 2017-18, 2018-19*

Current theories and research are reviewed from several perspectives, including psychoanalytic, humanistic, trait, social-learning, and cognitive. Topics include personality development and consistency, personality change, biological determinants, sex differences, anxiety, the self and self-esteem, and personality as a social inference.

**Intermediate Master's Statistics**

PSYCH-GA 2016  *Fulfills M.A. statistics requirement. Bauer, Staff. 3 points. 2017-18, 2018-19*

Topics in experimental design and correlational analysis, including multiple correlation and regression, selected complex factorial designs, and multiple comparisons. Introduction to the use of statistical computer software.

**Child Development**

PSYCH-GA 2020  *Staff. 3 points. 2017-18, 2018-19*

Major issues in child development, examined in light of current research and theoretical formulations. Cognitive development, social development, origins of temperament, the role of early experience, language acquisition, concept formation, the origin of play, moral development, and intelligence testing, from several theoretical points of view, including learning theory, Piagetian system, and psychoanalysis.

**Emotion and Its Development**

PSYCH-GA 2021  *Staff. 3 points. 2017-18, 2018-19*

This course will examine human emotions from various theoretical perspectives including psychodynamic, phenomenological, biological, and cultural approaches. Topics include the development of emotional life from infancy through adulthood; the expression and development of specific emotions such as anger, anxiety, shame, joy, and romantic love; and the major cultural, spiritual, and religious traditions that have arisen to help us navigate the complexities of human emotional life.

**Cognitive Psychology**

PSYCH-GA 2025  *Staff. 3 points. 2017-18, 2018-19*

Survey of what modern cognitive psychology says about problem solving and reasoning, memory, language, imagery, and pathology of language and thought.
Cognitive Neuroscience
PSYCH-GA 2027 Staff. 3 points. 2017-18, 2018-19
This course will explore the brain basis of cognition. We will focus on the higher cognitive functions, such as: language, imagination, creativity, aesthetic perception, sense of self, contemplative and religious experiences, and the nature of consciousness. The students will have an opportunity to visit one of the most active and exciting fields of research today—the neural basis of human mind.

Physiological Basis of Abnormal Behavior
PSYCH-GA 2030 Prerequisite: PSYCH-GA 2012 or 2031 or 2027 or 2049. Staff. 3 points. 2017-18, 2018-19
Examines recent developments in the attempt to relate basic biological processes to behavioral disorders and/or mental illness. Discusses animal models of abnormal behavior, their usefulness in making discoveries, and their relevance to human disorders. Topics include physiological influences on anxiety, particularly the role of hormones, biochemical factors in depression, and relationship of stress to these changes; biochemical theories of schizophrenia; genetics and abnormal behavior; and psychosomatic disorders.

Neuropsychology
PSYCH-GA 2031 Staff. 3 points. 2017-18, 2018-19
Introduction to human brain behavior relationships, with emphasis on the organization of higher mental functions and the roles of the major cerebral areas. Topics include neural basis and common disorders of language, perception, movement, memory, and behavior control; aging and dementia; developmental disabilities; differences between the hemispheres; and clinical evaluation procedures.

Introduction to Industrial/Organizational Psychology
PSYCH-GA 2032 Required of all M.A. students in industrial/organizational psychology. Eggebeen. 3 points. 2017-18, 2018-19
Personal, social, and environmental factors related to people's attitudes and performance in industrial and other organizations. Topics include personnel selection and evaluation, training and development, job analysis, attitudes and motivation, leadership, group dynamics, organizational structure and climate, and job design and working conditions.

Foundations of Psychopathology
PSYCH-GA 2034 Staff. 3 points. 2017-18, 2018-19
Covers several broad categories of disordered psychological functioning as classified by the current psychiatric nomenclature. Focuses on a select number of major diagnostic entities. Emphasizes the formal, structural, experiential, and intrapsychic factors that serve as a foundation for understanding such behavior. Course helps students develop an understanding of the consistencies between behavior that is considered normal and that which is considered pathological.

Psychology of Violence
PSYCH-GA 2036 Staff. 3 points. 2017-18, 2018-19
Surveys the current clinical, theoretical, and research approaches to studying
aggressive and violent behavior—including cognitive models and biological variables—in relation to mental illness. Students review the literature on the antecedents of violent behavior, as well as the evaluation and treatment of violent patients, violence risk assessment, and related forensic issues.

**Personality Disorders**

PSYCH-GA 2037  *Staff. 3 points. 2017-18, 2018-19*

This course is designed to familiarize students with the clinical aspects of the 10 Personality Disorders presented in the DSM-IV. The primary emphasis is on assessment and diagnosis, as well as the impact of these disorders on the daily functioning of both the patient and others. Theories of etiology and generalized treatment strategies are also discussed.

**Forensic Psychology**

PSYCH-GA 2038  *Staff. 3 points. 2017-18, 2018-19*

This course offers an introduction to the field of forensic psychology with a focus on research and practical application of psychology to the legal system. Relevant case law that determines the standards for psychological evaluations will be covered. Topics include: eyewitness testimony; false confessions; child custody and juvenile delinquency; expert witnesses; civil commitment; insanity and competency evaluations; risk assessment; and criminal profiling.

**Advanced Forensics**

PSYCH-GA 2039  *Prerequisite: PSYCH-GA 2038. Staff. 3 points. 2017-18, 2018-19*

A more advanced look at the practical and clinical applications of psychology in the legal system, with a focus on the specific roles the forensic psychologist can play—e.g., the expert’s role in evaluations, including civil, criminal, and juvenile cases. High profile cases are used to illustrate different types of evaluations. Topics include: extreme emotional disturbance; the role of psychology in probation and parole; PTSD in asylum seekers; the role of psychology in death penalty cases; evaluation of stalking; and psychological testing in court.

**Current Issues in Psychology**

PSYCH-GA 2040, 2041, 2042  *Staff. 3 points. 2017-18, 2018-19*

**Affective Neuroscience**

PSYCH-GA 2049  *Staff. 3 points. 2017-18, 2018-19*

This course will explore evidence for the neural basis of emotion, in relation to current psychological, philosophical and neurobiological theories of human emotion. Students will gain a background in the wide-ranging area of emotional perspectives, and review some of the most recent, cutting-edge research in affective neuroscience.

**Health Psychology**

PSYCH-GA 2051  *Staff. 3 points. 2017-18, 2018-19*

This course is an overview of the field, including behavior modification, stress, coronary heart disease, hypertension and stroke, pain, the immune system, AIDS and cancer, issues in pediatric health psychology, smoking, and weight control.
The course examines how biological, psychological, and social factors interact with and affect development of illness, the promotion of good health and preventing illness. Topics will include: the treatment people receive for medical problems; how effectively people cope with and reduce stress pain, and; the recovery, rehabilitation, and psychosocial adjustment of patients with serious health problems. The course will also focus on the role of stress in illness and certain lifestyle factors.

**Gender Roles**

PSYCH-GA 2053  Staff. 3 points. 2017-18, 2018-19
Examines the complex, interrelated topics of sex and gender differences; the psychology of women; the psychology of men; and the social and personal "realities" created by gender interactions.

**Traumatic Stress Reactions**

PSYCH-GA 2057  Staff. 3 points. 2017-18, 2018-19
This course provides an in-depth examination of the spectrum of psychological, biological, and social factors associated with exposure to traumatic stress (e.g., childhood sexual abuse, domestic violence, combat exposure, natural and man-made disasters). The course includes a comprehensive review of the etiology, assessment, and treatment of post-traumatic stress disorder (both acute and complex). Relevant research will be discussed in terms of the differential effects of traumatic experiences across groups (e.g., gender, SES, developmental level), and over time.

**Consumer Behavior**

PSYCH-GA 2058  Staff. 3 points. 2017-18, 2018-19
This foundation course applies theory and research in psychology to understanding consumer behavior in terms of product/service perceptions, motivation, purchase decision, and consumer satisfaction. Cognitive and perceptual aspects of marketing campaigns and branding are covered. The consumer as part of a larger social context, including the influence of family, peers or cultural groups is covered. The impact of technology-based social media on consumer behavior is explored. Models of leadership and organizational psychology are presented as informing management practices for innovation, consumer loyalty, and rebranding.

**Psychology of Decision Making**

PSYCH-GA 2059  Staff. 3 points. 2017-18, 2018-19
Exploration of the psychological processes that underlie people’s judgments and decision making. First identifies some general rules that capture the way people make decisions. Then explores how people make decisions in numerous domains, including consumer, social, clinical, managerial, and organizational decision making. Looks at both rational and irrational patterns in the way people select options. Also examines how the impact of the media and different ways of presenting options and different decision-making strategies can influence decision outcomes.
**Introduction to Psychological Testing**
PSYCH-GA 2060  Staff. 3 points. 2017-18, 2018-19
This course is an overview of psychological assessment within the field of the behavioral sciences. Students will learn about the process of testing and test construction as well as the concepts of norms, reliability, and validity. Students will learn how psychological assessment is applied to the areas of intelligence, personality, forensic psychology, industrial/organizational settings, and scholastic aptitude and achievement.

**Theories of Cognitive-Behavioral Therapies**
PSYCH-GA 2062  Staff. 3 points. 2017-18, 2018-19
Exposes students to the full range of cognitive-behavioral therapy and the underlying assumptions and theoretical models (including its empirical foundations in classical and operant conditioning as well as social learning theory). Also provides students with the practical application of these theories to a wide spectrum of specific psychological problems and psychiatric disorders.

**Clinical Research Methods**
PSYCH-GA 2066  Prerequisites: PSYCH-GA 2016 or or 2211 or 2229 or 2239. Staff. 3 points. 2017-18, 2018-19
Basic principles of research design, with emphasis on methods and strategies used in the area of clinical psychology.

**Applied Research Methods**
PSYCH-GA 2067  Prerequisites: PSYCH-GA 2016 and 2032. Eggebeen, Staff. 3 points. 2017-18, 2018-19
Development and design of field research and quasi-experimental techniques addressed to applied and theoretical questions: problems of control, selection of variables, nonobtrusive measures, sampling, etc. Evaluation research is emphasized.

**Consumer Research Methods**
PSYCH-GA 2069  Prerequisites: PSYCH-GA 2016 or 2211 or 2229 or 2239. Staff. 3 points. 2017-18, 2018-19
The primary objective is for students to understand the critical elements of designing and conducting consumer research. To accomplish this objective, we will integrate insights from consumer behavior and marketing along with principles of research methodology. While the examples we discuss in class will be primarily taken from consumer research, the same core principles apply to any kind of social science research.

**Personnel Selection**
PSYCH-GA 2070  Prerequisites: PSYCH-GA 2016 and 2032 and 2067, or the equivalents. Staff. 3 points. 2017-18, 2018-19
Development and evaluation of personnel selection techniques, including mental ability tests, personality inventories, interviews, work simulations, biographical information, and drug tests. Strategies for evaluating the validity, fairness, and overall utility of a selection process are addressed.
Performance Measurement and Rewards
PSYCH-GA 2071  Prerequisites: PSYCH-GA 2032 and 2016 and 2067. Eggebeen. 3 points. 2017-18, 2018-19
Coniders the conceptual and practical issues concerning job analysis, criterion development, and performance measurement. Critical review of alternative approaches and evaluation of their use in providing information to meet various organizational objectives, including performance appraisal, training and development, personnel selection, administrative decisions, and compensation.

Work Motivation and Attitudes
PSYCH-GA 2072  Staff. 3 points. 2017-18, 2018-19
Analysis and application of motivational theories and principles to individuals and groups in the workplace. Evaluation of the theory and application of various programs and techniques tried previously, including job enrichment, participative management, improved supervision, compensation systems, goal setting, management by objectives, reinforcement, and leadership development and influence techniques.

Training in Organizations
PSYCH-GA 2073  Staff. 3 points. 2017-18, 2018-19
Development of skills in designing and evaluating training programs. Examination of stated or intended purposes of training programs and methods used to analyze training needs.

Organizational Development
PSYCH-GA 2074  Prerequisite: PSYCH-GA 2032 or the equivalent. Staff. 3 points. 2017-18, 2018-19
Survey of methodological approaches to planned change, including organizational diagnosis, data collection, interventions, feedback, and evaluation. Specific types of interventions covered include strategic planning, organizational design, culture change, team building, survey feedback, goal setting, and career development.

Counseling Psychology
PSYCH-GA 2075  Staff. 3 points. 2017-18, 2018-19
Review of basic counseling theory and techniques. Covers processes underlying individual and group counseling, identification and evaluation of behavioral outcomes, case management, and counseling ethics. Surveys specialized counseling approaches and the needs of special populations.

Leadership and Strategic Change
PSYCH-GA 2076  Staff. 3 points. 2017-18, 2018-19
The nature and evolving definition of leadership is traced from early conceptualizations of trait, social exchange, and behavioral contingency theories to current approaches involving charismatic, transactional, and transformational leadership. Power, influence, information, and politics are examined as these relate to effective leadership. The importance of leadership behavior in promoting adaptive learning and high-performance organizations is considered in light of leadership selection, development, and succession planning.
Personality and Organizational Behavior
PSYCH-GA 2077  Staff. 3 points. 2017-18, 2018-19
Reviews theory and empirical research in industrial/organizational and personality psychology to explore the effects of individual differences on workplace outcomes, such as job performance, work attitudes, leadership, and turnover. Examines the Big Five personality model; such specific dispositions as self-esteem, achievement motive, emotional intelligence, and explanatory style; and interactionist, psychodynamic, and evolutionary personality theories in order to better understand the relationship between personality and organizational behavior.

Management Consulting
PSYCH-GA 2078  Eggebeen. 3 points. 2017-18, 2018-19
The consulting process through the lens of industrial/organizational principles and practices. Students learn and demonstrate the skills of client problem definition, analysis, solution, and presentation.

Executive Coaching and Development
PSYCH-GA 2079  Prerequisite: PSYCH-GA 2070 or 2073. Gans. 3 points. 2017-18, 2018-19
Coaching is a tailored learning program for behavioral change and optimized performance. This seminar focuses on how coaching in the organization can help individuals achieve optimal leadership competencies; better delivery of strategic objectives; greater resilience in response to organizational change; and improved quality in personal and professional development. Although the focus of the course is on individual coaching, applications to team development are included.

Group Dynamics
PSYCH-GA 2083  Staff. 3 points. 2017-18, 2018-19
A study of the processes by which individuals start functioning as a team. Considers the developmental stages of team development and the patterns of making decisions and relating to group leaders from a systemic, social, and psychological point of view. Includes a combination of didactic and experiential methods that would be of interest to future team consultants, to people who belong to work teams, to the social psychologist studying how people function in groups, and to the future clinician interested in conducting group therapy.

Organizational Climate and Culture
PSYCH-GA 2086  Staff. 3 points. 2017-18, 2018-19
This course will cover basic as well as advanced concepts involved in the theory, measurement, and importance of organizational climate and culture, by means of both lecture and class discussion. Lectures will focus on research and theory as well as practical issues and techniques used in applied settings. Students will learn about: the various models used to define organizational climate and culture; the impact of climate/culture on various organizational and individual phenomena; methodologies used to measure organizational climate and culture; and the importance of social networks and how to measure them.
Culture, Thought, and Emotion
PSYCH-GA 2089  Staff. 3 points. 2017-18, 2018-19
This course is designed to introduce students to the complex interrelationship between individual psychological life and culture. Such an approach helps us to understand diverse societies, but even more importantly, helps make explicit how ‘western-ness’ can shape the ways in which one thinks and feels. Sample topics include the relationships between culture and thought, emotion, biology, childhood and technology.

Independent Study
PSYCH-GA 2110  Prerequisite: department permission. May be repeated for credit. 3 points. 2017-18, 2018-19
Supervised reading and/or research with a faculty member on a topic selected by the student.

Fieldwork
PSYCH-GA 2125  Prerequisite: department permission. Gans. 3 points. 2017-18, 2018-19
Supervised practicum in a selected agency, clinic, or human resources department. Placement, according to occupational needs and goals of the student, may vary from planning and administration to clinical practice. Joint supervision by the academic and qualified agency staff.

Research Methods and Experiences
PSYCH-GA 2126  Prerequisites: PSYCH-GA 2016 or 2211 or 2229 or 2239 or permission of instructor. McMeniman, Staff. 3 points. 2017-18, 2018-19
Students do collaborative research for about 10 hours a week under the supervision of faculty or other qualified researchers. In addition, weekly class meetings provide information on a variety of research methods and experimental design issues. The course is often taken by students who plan to expand their research into a master’s thesis and by students who plan to apply to a Ph.D. program.

Independent Research
PSYCH-GA 2140  Enrollment is subject to the availability of appropriate projects. Prerequisites: one core C course and department permission. 3 points. 2017-18, 2018-19

Master’s Seminar
PSYCH-GA 2199  Open to students in the master’s program who are completing a thesis. Prerequisites: PSYCH-GA 2016 or 2211 or 2229. McMeniman. 3 points. 2017-18, 2018-19

Doctoral Courses
Categories and Concepts
PSYCH-GA 2207  Murphy. 3 points. 2017-18
This course covers the major topics in the psychology of concepts. The focus is on central issues of concept representation and use. The first part of the course discusses the “traditional” questions of the past 15 years, such as prototype vs.
exemplar theories and computational models of category learning. Then the course addresses questions of how concepts are integrated with and constrained by more general knowledge. Other topics include similarity, expertise, induction, and conceptual combination. Developmental perspectives on these topics are considered throughout the course.

Math Tools for Cognitive Science and Neuroscience
PSYCH-GA 2211  Simoncelli, Landy, Walisch. 3 points. 2017-18, 2018-19
Intensive course in basic mathematical techniques for analysis and modeling of behavioral and neural data, including tools from linear systems and statistics.

Neuroeconomics and Decision Making
PSYCH-GA 2212  Maloney, staff. 3 points. 2018-19
This course examines decisions from theoretical, behavioral, and neural perspectives. A first goal of the course is to review normative and descriptive theories of decision under risk or uncertainty, decisions based on sampling, temporal discounting, visuo-motor analogues of decision, and decisions in multi-agent interactions. We will also explore learning in the context of decision problems, including reinforcement learning and foraging models. Finally, we will consider how all this work informs and is informed by research in humans and animals about the neural substrates for decisions. We will read both classical papers and very recent work, some chosen to reflect the interests of the participants.

Research Methods in Social/Personality Psychology
PSYCH-GA 2217  Heilman. 3 points. 2017-18, 2018-19
The basics of conducting social and personality psychology research. Students receive practical instruction in research design, methodologies, statistical analysis, and evaluation of published research articles for soundness of design and validity of conclusions.

Perception
PSYCH-GA 2223  Part of core curriculum for doctoral students in cognition and perception. Landy, Heeger, staff. 3 points. 2017-18
In-depth survey of psychophysical and modeling methodology, and vision and auditory research. Topic areas include linear systems theory, signal detection theory, optics, spatial vision, motion analysis, depth perception, color vision, auditory coding of intensity and frequency, sound localization, and speech perception.

Psycholinguistics
PSYCH-GA 2226  Part of core curriculum for doctoral students in cognition and perception. McElree. 3 points. 2017-18
Graduate-level introduction to the cognitive processes and linguistic structures that enable language comprehension and production, with an emphasis on lexical, syntactic, and semantic structures and processes.

Intermediate Statistical Methods in Psychology
PSYCH-GA 2228  Shrout. 3 points. 2017-18, 2018-19
Review of introductory statistical methods, with special emphasis on sampling distributions, statistical inference and estimation, statistical power, and sample size
estimation for common statistical tests. Methods include measures of association, t-tests, ANOVA, and chi-square. Use of statistical computer software.

**Regression**
PSYCH-GA 2229  Prerequisite: PSYCH-GA 2228. Shrout. 3 points. 2017-18, 2018-19
Multiple regression/correlation as a general data analytic system. Sets of variables as units of analyses, representing group membership, curvilinear relationships, missing data, interactions, the analysis of covariance and its generalization; logistic regression; nonparametric statistics. Computer applications.

**Simulation and Data Analysis**
PSYCH-GA 2233  Maloney. 3 points. 2018-19
Covers topics in numerical analysis, probability theory, and mathematical statistics essential to developing Monte Carlo models of complex cognitive and neural processes and testing them empirically. Most homework assignments include programming exercises in the MATLAB language.

**ANOVA**
PSYCH-GA 2239  Prerequisite: PSYCH-GA 2228. Staff. 3 points. 2017-18, 2018-19
Complex analysis of variance designs and their computation, with an emphasis on research design issues and power. Also included is a detailed look at the connections between multiple regression and ANOVA, ANCOVA, and MANOVA.

**Psychometric Theory**
PSYCH-GA 2243  Shrout. 3 points. 2017-18
Theory and practice of measurement; classical test theory (reliability and validity); item response theory; latent trait methods, including factor analysis; and logistic latent trait models. Provides computer experience with methods.

**Functional Magnetic Resonance Imaging Lab (fMRI)**
PSYCH-GA 2245  Heeger. 3 points. 2017-18, 2018-19
Covers the major topics and issues in the field of fMRI. With this background, students can design and implement their own fMRI experiments. Weekly lab projects involve acquiring and analyzing fMRI data, and submitting written lab reports. Final grades are based on the lab reports. The lectures provide background information useful in performing the labs, along with additional information for a broader and deeper understanding of fMRI methods.

**Structural Equation Methods**
PSYCH-GA 2247  Prerequisite: PSYCH-GA 2244. Shrout, West. 3 points. 2017-18
Students apply and critique structural equation methods for studying relationships among multiple variables, including path analysis, confirmatory factor analysis, latent variable regression models, and methods designed for categorical data. Emphasis is on practical data analysis and public presentations of findings.
Analysis of Change
PSYCH-GA 2248  Prerequisite: PSYCH-GA 2229  Shrout. 3 points. 2018-19
Current issues and methods involving the analysis of change in the behavioral and social sciences, including latent change approaches, hierarchical linear models, and survival analysis, as well as classical methods for the analysis of change, including change scores, mixed model ANOVA, regression, and MANOVA.

Person Perception: A Cognitive Approach
PSYCH-GA 2286  Uleman. 3 points. 2018-19
This seminar focuses on a wide selection of current research and theoretical perspectives on how we perceive other people. Topics include how object and person perception differ, developmental and adult versions of “theories of mind” about others, spontaneous inferences and implicit theories about others, cultural differences in these phenomena, the nature and uses of trait concepts, the interaction of automatic and controlled processes in person perception, and non-verbal cues and communication. Accuracy in person perception, and stereotyping, are major research areas in their own right, and are only briefly considered here. Students are expected to contribute to discussions of the readings each week, make two presentations during the semester on related readings of their choice, and write a research proposal on a topic of particular interest to them. There is also a final exam.

Dissertation Research
PSYCH-GA 3301, 3302  May be repeated for credit; however, no more than 6 points may be counted toward the 72 points required for the doctorate. 1-6 points per term. 2017-18, 2018-19
Discussion of proposals and methodology for doctoral dissertation, planning of dissertation work, and reports of progress.

Predoctoral Research in Psychology
PSYCH-GA 3303, 3304  Prerequisite: department permission. May be repeated for credit. 1-6 points per term. 2017-18, 2018-19
Research for one or two terms in addition to the doctoral research.

Reading Course in Psychology
PSYCH-GA 3305, 3306  Open only to advanced students. Prerequisite: department permission. May be repeated for credit. 3 points per term. 2017-18, 2018-19
Planned program of intensive readings in a defined area of psychology with supervision of a member of the department.

Research in Problems in Psychology
PSYCH-GA 3321, 3322  Prerequisite: department permission. May be repeated for credit. 1-6 points per term. 2017-18, 2018-19
Supervised research on a special problem apart from the doctoral thesis, in addition to PSYCH-GA 3303, 3304.

Prejudice and Stereotyping
PSYCH-GA 3380  Amodio, Craig. 3 points. 2017-18
Provides a comprehensive overview of topics in the social psychological study of prejudice, stereotyping, and intergroup relations. Class discussions deal with both
theoretical and empirical articles related to different topics within this broad field of research. Emphasis on considering and integrating classic and contemporary approaches to questions of intergroup relations. Discussions focus on the ability of this research to capture the psychological phenomenon of prejudice, to make contact with other levels of analysis, and to promote social change (i.e., prejudice reduction).

Social Neuroscience
PSYCH-GA 3381  Amodio, Freeman. 3 points. 2018-19
Provides an overview of topics in the emerging field of social neuroscience. The focus is on how theories and methods of neuroscience may be used to address classic questions of social psychology from new and informative angles. The goal of this course is to give students a broad background in social neuroscience so that they may (a) be a critical consumer of this literature, (b) broaden the way they think about connections between the mind, brain, and behavior in the context of the social world, and (c) most importantly, apply these ideas to inform their own program of research.

Seminar in Current Topics
PSYCH-GA 3391, 3392, 3393, 3394, 3395, 3396, 3397, 3398, 3399, 3404, 3405  May be repeated for credit. 3 points per term. 2017-18, 2018-19
The department offers several seminars each term, reflecting the interest of advanced students or members of the faculty in contemporary problems in psychology theory, research, or practice.
PROGRAMS AND REQUIREMENTS

Admission: The requirements for admission to the NYU Postdoctoral Program in Psychotherapy and Psychoanalysis are: a doctoral degree from a program in clinical psychology or a related area of study, two years of supervised experience in individual adult psychotherapy, and eligibility for state certification/licensing in a mental health discipline (i.e. psychology, psychiatry, social work, or psychoanalysis).

Personal Analysis: Candidates are required to complete 300 hours of personal analysis at a minimum of three sessions per week. This analysis must begin prior to initiating work with a clinic patient, and it must be concurrent with at least one year of the treatment of a clinic patient. The candidate’s training analyst must have had, at the commencement of the candidate’s analysis, five years of experience following graduation from an analytic training program. Moderate-cost psychoanalysis is made available to students by many members of the faculty. For further information regarding moderate-cost analysis, candidates may speak with the program director, Dr. Lewis Aron.

Curriculum: Candidates must satisfactorily complete 36 points of course work, chosen with the guidance of faculty from among the program’s diverse areas of study. Enrollment in a minimum of 2 points per semester is required. The program begins with a course covering the major psychoanalytic orientations, an introduction to clinical psychoanalysis, and principles of ethics. The central thrust of the program is to afford candidates the opportunity to study with faculty representing major orientations in psychoanalytic theory and practice. Students are therefore encouraged to take courses reflecting differing points of view and to work with supervisors who have diverse theoretical approaches. However, since some individuals apply to the program so that they may work within one orientation, the program provides several options. The student may select a systematic course of study in a modern Freudian, an interpersonal, or a relational orientation. Alternatively, the student may choose to combine courses from the three orientations, as well as courses not aligned with any particular one (independent). The curriculum thus fosters an intellectual community in which theoretical diversity may thrive and a rigorous comparative psychoanalysis is encouraged.

Contemporary Freudian Area of Study: This curriculum encompasses the fundamental discoveries of Sigmund Freud and the diversity of viewpoints in theory and technique that characterizes Freudian psychoanalysis as it is practiced today. This diversity arises both from the proliferation of ideas within ego psychology and from the increasing influence of studies of child development, of self psychology, and of theories of the self in relationship to the object world. The program is such that one can take Contemporary Freudian training in any desired proportion in...
relation to the overall postdoctoral program. Candidates are welcome to contact the chair of the faculty in the Contemporary Freudian area of study, Dr. Stephen Solow (spsolow@aol.com), or the chair of the track's Faculty and Curriculum Committee, Dr. Gil Katz (gilkatz46@gmail.com) to discuss individual questions and planning.

**Interpersonal-Humanistic Area of Study:** Interpersonal theory rests upon a broad framework of implicit and explicit premises that departed from the psychoanalysis of its day and that continues to offer a rich contribution to the current psychoanalytic movement. Central to interpersonal analysis is the direct engagement of analyst and patient in their actual and immediate experience of each other. In this way, the uniqueness of each patient, each therapist, and each analytic dyad is emphasized. Interpersonal theory posits a variety of influences that produce diverse and individualizing effects upon the person. Great importance is placed on understanding an individual’s developmental trajectory and character formation through detailed exploration of interpersonal interactions embedded within an individual’s social and cultural context. Candidates are welcome to contact the co-chairs of the interpersonal area of study, Dr. Bruce Grellong (bagrellong@gmail.com) and Dr. Al Atkins (alatkinsny@gmail.com), to discuss individual questions and planning.

**Relational Area of Study:** Relational psychoanalysis focuses attention on processes of mutual influence in development and treatment. We assume that relationships, including the analytic one, are shaped by both individuals in a process that is neither one sided nor linear. In this and other ways Relational theorizing profoundly alters the analyst’s thinking about clinical work. We offer courses that study the roots of Relational thinking within the British school of object relations, American interpersonal psychoanalysis, self psychology, and currents within Freudian ego psychology. While some of our courses are primarily theoretical in emphasis and others mainly clinical, all of them address developments and controversies in clinical technique. Candidates are welcome to contact the chairs of the track, Dr. Velleda Ceccoli (velledaceccoli@mac.com) and Dr. Larry Zelnick (lzelnick@mac.com), to discuss individual questions and planning.

**Independent Area of Study:** This curriculum offers courses that promote the process of contrasting and comparing the various orientations in the program as a whole or that address crucial psychoanalytic issues not covered by other curricula. The track comprises a group of faculty, graduates, and candidates with diverse theoretical orientations to which independent candidates can belong regardless of their evolving psychoanalytic orientations. Candidates are welcome to contact the chairs of the faculty in the independent area of study, Dr. Jill Gentile (jillgentile3@gmail.com) or Dr. Steven Botticelli (srb224@nyu.edu), to discuss individual questions and planning.

**Clinical Requirements:** The candidate is required to conduct psychoanalysis for 400 hours under the supervision of the Postdoctoral Clinic. The candidate is expected to work with at least three clinical supervisors, for a minimum total of 160 hours; each supervisor must be seen for at least 40 hours. Candidates are to begin work with a clinic patient by the beginning of their second year in the program, and they are to continue clinic work until the requirement of work with two patients at
200 hours each is met. In performing the clinic requirement, students are expected to follow all guidelines outlined in the Postdoctoral Clinic’s policy and procedures manual, which is updated regularly. Students write progress reports on their clinic patients toward the end of each academic year.

FACILITIES

Postdoctoral Clinic: The Postdoctoral Clinic is the clinical facility for the training program. It is designed to provide individual intensive psychotherapy and psychoanalysis for a limited number of individuals unable to afford private fees. Clinic fees are arranged according to the patient’s income. Candidates working with clinic patients are supervised by the faculty of the postdoctoral program.

Inquiries about the Postdoctoral Clinic should be addressed to:

Dr. Spyros D. Orfanos
Clinic Director
Postdoctoral Clinic
New York University
240 Greene Street, 3rd Floor
New York, NY 10003-6675

For clinic applications and further information, call 212-998-7925 or send e-mail to gsas.postdoc@nyu.edu. For up-to-date information and a complete description of courses as well as program faculty and supervisors, visit the Web site at postdocpsychoanalytic.as.nyu.edu.

COURSES

Introduction to Contemporary Psychoanalysis: Theory, Practice & Ethics
PDPSA-GA 4547  Knoblauch & Goren. 2 points. 2017-2018, 2018-2019

The History and Development of Psychoanalysis Focusing on Specific Contributors: Special Topics
PDPSA-GA 4580  Eigen et al. 2 points. 2017-2018, 2018-2019

Clinical Case Seminars—The Psychoanalytic Relationship: Countertransference

Clinical Treatment of Specific Disorders
PDPSA-GA 4582  Bach et al. 2 points. 2017-2018, 2018-2019

The Study and Clinical Use of Dreams
PDPSA-GA 4583  Knafo. 2 points. 2018-2019

Comparative Psychoanalysis
PDPSA-GA 4584  Salberg et al. 1 point. 2017-2018, 2018-2019

Psychoanalytic Theory & Technique
Cultural, Spiritual & Political Issues
PDPSA-GA 4586  Hoffman et al. 1 point. 2017-2018, 2018-2019

Gender & Sexuality

Developmental & Life Span Issues

Infancy & Psychoanalysis
PDPSA-GA 4589  Beebe. 2 points. 2018-2019
PROGRAM IN
Religious Studies

PROGRAMS AND REQUIREMENTS

Master of Arts

This multidisciplinary program seeks to prepare students with both knowledge of a religious world and the tools to study that world, including language training where appropriate. The program for each candidate for the Master of Arts degree in religious studies consists of 32 points of course work (eight courses) in addition to either a thesis project or an exam. All students are required to take RELST-GA 1001, Theories and Methods in the Study of Religion (4 points). The other seven courses (28 points) are elective on religious life and practice combining a disciplinary and a cultural focus. Courses often speak to both areas of study (e.g., History of 19th-Century American Christianity uses a historical approach to cover religious life in the United States). Therefore, a student’s course trajectory will be worked out with close faculty advice. By graduation, students should have a grasp of the tools of at least one disciplinary focus and a working knowledge of at least one cultural area.

In fulfillment of the degree, students may elect to complete a thesis paper as their capstone project. Before their final semester, students will secure a thesis adviser from among either the Religious Studies faculty or faculty from another department at NYU. Together with this adviser, the student will produce a thesis paper to be reviewed by two faculty members, one of whom must be in the Religious Studies program. Although the thesis paper is not graded, students may elect to enroll in MA Thesis Research, RELST-GA 2901 or 2902, (with departmental permission) for a grade as they work toward completion of the paper. As an alternative to the thesis, students may instead choose to take a written comprehensive exam as their capstone project. This requires securing an examination adviser with whom the student will design a set of questions around their particular field of study. The exam will be administered in the student’s final semester, and will receive either a grade of “P” (pass) or “F” (fail). Students will not receive credits for completion of the exam; they must have completed, or be in the process of completing, the required 32 credits at the time of examination.

Journalism Concentration: As religion appears with growing force in the political, economic, social, and cultural life of a globalizing world, its representation in various media, electronic and print, likewise grows in importance. The Program in Religious Studies has joined forces with the Arthur L. Carter Journalism Institute to provide a concentration within the graduate program that provides education and training for students seeking careers as professional newspaper, magazine, or broadcast journalists with a special expertise on religion life. The area
of study draws on courses offered by both the Program in Religious Studies and the Journalism Institute. These courses are intended to provide students with the theoretical tools necessary to examine modern religious life and the issues that surround it in conjunction with training in journalistic writing, research, and ethics. Admission to the concentration will be made at the discretion of both the Program in Religious Studies and the Journalism Institute. 36 total points are required for the M.A. in Religious Studies with a concentration in Journalism. Required courses in religious studies (16 points total) are: (1) Theories and Methods in the Study of Religion, RELST-GA 1001, (2) Religion as Media, RELST-GA 3397, and two elective courses focusing on the study of religion. Required courses in journalism (20 points total) are: (1) Writing, Research, and Reporting Workshop I and II, JOUR-GA 1021, 1022. (2) Introduction to Literary Reportage, JOUR-GA 2048 and (3) Portfolio Workshop I and II, JOUR-GA 1044, 1045. The requirements for this concentration also include a final project in long-form journalism, an article aimed at a sophisticated general readership in expository, explanatory, or investigative form on a subject related to religious life. Accompanying this long-form article in journalism, the student will write an essay that discusses, in terms of the theoretical and empirical work done in religious studies classes, how they conceptualized and researched the original article. It is hoped they will emerge with a sense of how their scholarly and journalistic training worked together.

### FACILITIES

The Center for Religion and Media at New York University is one of ten Centers of Excellence funded by The Pew Charitable Trusts from 2003–2007. The Center continues with an endowment from NYU to stimulate innovative research and teaching in the interdisciplinary study of religion. The Center seeks to develop interdisciplinary, cross-cultural knowledge of how religious practices and ideas are shaped and spread through a variety of media. It provides a space for scholarly endeavor, a stage for public educational events and an electronic interface with scholars, journalists and the public through its innovative web journal, The Revealer: A Review of Religion and Media.

### COURSES

**Theories and Methods in the Study of Religion**  
RELST-GA 1001  
*Becker, Oliphant, Zito*  
4 points.  
2017-18, 2018-19  

Students explore fundamental theoretical and methodological issues for the academic study of religion, including some of the more important theories of the origin, character, and function of religion as a human phenomenon. Students cover psychological, sociological, anthropological, dialectical, post-colonial and feminist approaches, as well as some problems for the study of religion today: secularization theory and the intersection of religion and media. Departmental permission required.

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Chinese religions and cultural history; religion and media; embodiment, gender, and ritual; the relationship of anthropology and history.

### AFFILIATED FACULTY IN OTHER DEPARTMENTS

Religion, Gender, and Violence
RELST-GA 1320  Pellegrini. 4 points. 2017-18, 2018-19
This seminar asks how religion contributes to social violence as well as to movements for peace and reconciliation. Throughout the semester, students will pay special attention to the ways in which women are enlisted as both victims and agents of religiously-motivated violence. However, the keyword gender is not just a synonym for women. Gender as a category of analysis focuses attention on the social construction and organization of bodies and on the often violent hierarchalization of difference along the axes masculine/feminine. Gender is a social relation embedded in other social relations. How do religious beliefs and forms of belonging contribute to the social imagination and experience of gender, and vice versa? In what ways are gender relations implicated in religious violence? Drawing on critical theories of religion and recent work in gender studies and feminist post-colonial studies, this seminar will push students to examine questions of historical change, cultural variation, national/geographic difference, and moral complexity.

Topics in Religious Studies
RELST-GA 2467  Becker, Oliphant, Zito. 4 points. 2017-18, 2018-19
Topics courses are taught by a variety of professors and center on a variety of subjects. At least one topics course is typically offered each semester. The current iteration of a topics course can be found on the Religious Studies webpage.

Body, Performance & Religion
RELST-GA 2475  Zito. 4 points. 2017-18, 2018-19
This course takes us beyond text-centered dogma, philosophy, and scriptures toward lived religion in everyday life and practice: The study of bodies in their materiality of corporal performance and physical sensation. We will look at the body in various situations—gendered, sexualized, covered, naked, suffering, disabled, altered, missing, ecstatic, monstrous—and interrogate notions of representations and ideals: from the religious ban on representing the human body to divine anthropomorphism. Post-structuralist writers featured will include Foucault, Bourdieu, Merleau-Ponty, Mascia-Lees, Butler, Csordas, Strathern, Klassen, Erzen among many others. A variety of religious archives will be explored.

Religion as Media
RELST-GA 3397  Zito. 4 points. 2017-18, 2018-19
This course will introduce you to the longstanding and complex connection between religious practices and various media, based upon the premise that, like all social practice, religion is always mediated in some form or other. Yet, religion does not function simply as unchanging content, while media names the ways that content is formed. Instead shifts in media technique, from ritual innovations to the invention of printing, through TV, to the internet, also shape religious practice. We are interested in gathering theoretical tools for understanding the form and politics of this mutual dialectic. We will analyze how human hearing, vision, and the performing body have been used historically to express and maintain religious life through music, voice, images, words, and rituals. Then we will spend time on more recent electronic media such as cassette, film, television, video, and the
internet. We will consider, among other things: religious memory, both embodied and out-sourced in other media; role of TV in the rise of the Hindu Right; the material culture of Buddhism (icons, relics, sutras); religion and commodification; film as religious experience; Christian Evangelical Media.

**M.A. Thesis Research**
RELST-GA 2901, 2902  4 points. 2017-18, 2018-19

**Directed Study in Christianity**
RELST-GA 2921, 2922  1-4 points. 2017-18, 2018-19

**Directed Study in Judaism**
RELST-GA 2931, 2932  1-4 points. 2017-18, 2018-19

**Directed Study in Islam**
RELST-GA 2941, 2942  1-4 points. 2017-18, 2018-19

**Directed Study in Asian Religion**
RELST-GA 2951, 2952  1-4 points. 2017-18, 2018-19

**Directed Study in Philosophy of Religion**
RELST-GA 2961, 2962  1-4 points. 2017-18, 2018-19

**Directed Study: Topics in Religion**
RELST-GA 2971, 2972  1-4 points. 2017-18, 2018-19
PROGRAMS AND REQUIREMENTS

Master of Arts

The department offers an interdisciplinary M.A. in Russian and Slavic studies, a program that allows students to take Russia-related courses in departments across NYU. In addition to the departmental curriculum’s particular strengths in literature, history, and film, the course of study can encompass a wide variety of specializations, from anthropology and politics to music, linguistics, and performance studies. With its focus on interdisciplinarity and comparative methodologies, the program can serve as excellent preparation for graduate study at the Ph.D. level. It also provides a thorough grounding in the Russia field for terminal M.A. students who choose to pursue a career in this area.

Students applying to the M. A. program must hold a B.A. degree and have a thorough knowledge of the Russian language. Usually students have an undergraduate degree in Russian, but majors in other subjects may be accepted if the applicant’s knowledge of Russian is sufficient for graduate study.

The M.A. degree requires successful completion of eight courses (32 points) and a thesis. Before being granted the M.A., students must attain the level of advanced in all language skills (speaking, oral comprehension, reading, and writing), to be demonstrated by either passing an examination or earning the equivalent of an A grade in auditing the department’s third-year Russian course.

COURSES

Topics in Russian & Slavic Studies: Putin’s Russia: Culture, Society, History
RUSSN-GA 1001 Vinokour. 4 points. 2017-2018

In 1939, Winston Churchill called Russia “a riddle, wrapped in a mystery, inside an enigma.” Seismic historical shifts notwithstanding, Churchill’s words retain their currency today. Indeed, events like the mass protests of 2011-12, the annexation of Crimea, and Russian intervention in the recent U.S. election defy easy explanation and flout the predictions of even seasoned observers. This course examines Russia’s politics and culture since 1991 through the prism of Russian self-representation, reading public discourse and cultural production against and alongside one another. We will consider novels, films, print journalism, televised media, and the Internet, focusing on both particular representations and social institutions for their production, dissemination, and consumption. Topics of special concern include conspiracy theories, representations of Russian history, collective identity and patriotism, intellectuals and elites, gender and sexuality, consumption and wealth.
Reading Contemporary Russian for Academic Purposes  
RUSSN-GA 1003  4 points. 2017-18
The course will focus on reading texts from different media and from different fields of knowledge. We will concentrate on literary analysis and discussion of various topics of life in the Soviet Union and Russia; grammar and syntax of the written language; vocabulary studies style (literary, conversational, official etc), rhetoric and the author’s voice.

Seminar in 19th-Century Russian Literature  
RUSSN-GA 1006  Kliger, Lounsbery. 4 points. 2017-18
The course is dedicated to exploring the underlying social imaginaries of the Russian realist tradition by drawing on material from both fictional and para-fictional texts. The authors read and discussed will likely include Pushkin, Lermontov, Turgenev, Herzen, Dostoevsky, Goncharov, and Tolstoy as well as Belinsky, Dobroliubov, Chernyshevsky, Annenkov, Strakhov, and Grigoriev. Throughout, our discussion will be animated by the attempt to delineate the specificity of the Russian realist tradition vis-a-vis its Western European counterparts. Reading knowledge of Russian is preferable but not required.

Seminar in 20th-Century Russian Literature  
RUSSN-GA 1092  Borenstein. 4 points. 2018-19

The Soviet Union  
RUSSN-GA 1300  O’Donnell. 4 points. 2017-2018
This course will investigate the history of Soviet Eurasia from the First World War to the collapse of the Soviet Union. Themes will include the tensions of Soviet empire and nation-building; global geopolitics; ideology, dictatorship, and state-building; and the pursuit of non-capitalist modernity—social, economic, cultural, political—in a capitalist world.

Theory of the Avant-Garde, East and West, 1890-1930  
RUSSN-GA 2103  Groys. 4 points. 2018-19
Examines movements of the avant-garde—cubism, futurism, imagism, vorticism, constructivism, dadaism, and surrealism—in their international and interdisciplinary perspectives. Attention is given to the interrelation and mutual influence of visual and verbal art.

Russian Popular Culture  
RUSSN-GA 2114  Borenstein. 4 points. 2018-19
Broad survey of the main trends in Russian film, radio, television, poster art, pop music, and pulp fiction throughout the 20th century, providing an in-depth analysis of the forces and ideologies that helped shape these trends.

Russian Modernism  
RUSSN-GA 2115  Borenstein, Staff. 4 points. 2018-19
Russian fiction from the years immediately prior to the Revolution through the early 1930s. Particular emphasis is placed on the interplay between art and ideology.
Defining Russia
RUSSN-GA 2121  Required course for graduate students in the department.
Lounsbery. 4 points. 2017-18, 2018-19
Interdisciplinary, team-taught course designed to introduce the main methods and chief scholarly debates in contemporary Russian studies.

Theories of the Novel
RUSSN-GA 2123  Kliger. 4 points. 2018-19
This seminar will explore major 20th—century approaches to the sociology of literature, with special emphasis on the novel. Authors discussed in detail include George Lukács, Mikhail Bakhtin, Lucien Goldman, Pierre Bourdieu, Raymond Williams, Fredric Jameson, Pierre Macherey, and Franco Moretti. Russian case Studies: Fathers and Sons, Crime and Punishment, Anna Karenina.

Imagining Eurasia
RUSSN-GA 2129  Knight. 4 points. 2018-19
Focuses on the idea and image of a Eurasia in Russian and Russophone literature, as well as in Soviet and post-Soviet film.

Under the Gaze of Others
RUSSN-GA 2131  Groys. 4 points. 2017-18

Marxist Aesthetics in Russia
RUSSN-GA 2139  Groys. 4 points. 2017-18
The course has a goal to describe and discuss the development of the Marxist thought on art in Russia before and after the October revolution. It begins with the writings by Plekhanov on the Marxist aesthetics and follows its evolution through Russian avant-garde and Proletkult up to the theories of the theories of the Socialist Realism of the 1930s. In the framework of the seminar we will be reading also the authors relevant for the Russian Marxist art critique like Lukacs, Brecht and Adorno.

Cultural Cold War
RUSSN-GA 2140  Djagalov. 4 points. 2018-19

Media Culture in Russia's Long Twentieth Century
RUSSN-GA 2141  Djagalov. 4 points. 2018-19

Serfdom and Slavery in Russian and American Literature
RUSSN-GA 2148  Lounsbery. 4 points. 2018-19

Culture of Modernity: Case Eisenstein
RUSSN-GA 2900  Irampolski. 4 points. 2017-18
Russian film director Sergey Eisenstein (1898-1948) is a great representative of the revolutionary avant-garde. This course explores his poetics based on montage, shock, violence, and political engagement in the context of modernist, revolutionary, intellectual, and artistic trends.
Politics of Post-Communism
RUSSN-GA 3500 Tucker. 4 points. 2017-18

History of the State
RUSSN-GA 3701-001 O'Donnell. 4 points. 2018-19
PROGRAMS AND REQUIREMENTS

Master of Arts

A total of 32 points of course credit—at least 28 taken in residence at NYU—is required for the M.A. degree. M.A. students must complete the introductory American Studies Seminar, AMST-GA 3301 and seven other courses, no more than two of which may originate beyond the program. Throughout the period of matriculation, students should select courses that will help them to pursue their interests in a coherent fashion. Working under the supervision of a faculty advisor while enrolled in AMST-GA 3309, Reading in American Studies, M.A. students are required to complete a master’s thesis, to be submitted toward the end of their final semester in the program. A second reader from the program faculty is required for final approval of the thesis. The M.A. thesis should be based upon original research and should be approximately 60 to 85 pages in length. The terminal M.A. program does not lead directly to Ph.D. enrollment, though M.A. students may apply for Ph.D. study along with the general Ph.D. applicant pool in any given year.

The Department requires that M.A. students successfully demonstrate proficiency in a second language at a minimum intermediate-level for the degree typically by either (a) passing a language proficiency exam (usually administered by GSAS) or (b) having successfully completed at least four semesters of undergraduate language preparation (grade of B or better) no more than two years prior to the first term of registration in GSAS. Students should consult with the Director of Graduate Studies during the first semester about their plans for language study or for fulfilling the foreign language requirement.

Master of Arts in Africana Studies

The Africana Studies master’s degree requires that students satisfactorily complete 32 points and are required to complete the Proseminar in Africana Studies, AFRS-GA 2000. To qualify for the M.A. degree, students must either write a thesis (preferred) at the conclusion of their final semester of work. Internships in institutions and organizations in New York City may be taken for 4 points. Africana Studies master’s degree can also be pursued part-time.

A concentration in Museum Studies is also available to students in the M.A. program. Those planning to work as museum professionals with collections in museums, historic houses and sites, and government agencies relating to black history and culture, literature, and politics are encouraged to apply. This concentration requires the completion of 36 points (16 in museum studies), a master’s thesis, and a
full summer internship in a museum or cultural institution. Both the Proseminar in Africana Studies, AFRS-GA 2000 and History and Theory of Museums, MSMS-GA 1500, are required for this concentration.

**Joint Degree Master of Arts in Africana Studies and Economics**

The goal of this program is to help students develop social science skills that can be used to better society in the public and private spheres, specifically in support of African and African diaspora communities. The program provides students with a social science background in economics and Africana studies. Students analyze development economics, politics, and other social sciences and gain a broader perspective of how these disciplines apply to Africa and the African diaspora. Students can earn a Master of Arts in this program by taking 36 points over three terms and by the completion of either a master’s thesis or a special project associated with an internship conducted at a site involving the application of social science knowledge and principles to African affairs. While this program specifically targets African students, others with interest in this interdisciplinary connection between Africana studies and economics are encouraged to apply. The Master’s Program requires students to complete the Proseminar in Africana Studies, AFRS-GA 2000, Math for Economists, ECON-GA 1001, Microeconomic Theory, ECON-GA 1003, Macroeconomic Theory, ECON-GA 1005, Applied Statistics and Econometrics I and II, ECON-GA 1101, 1102, and two of Africans in the World Economy, ECON-GA 3002, International Economic Development, PADM-GP 2203, and Political Economy, POL-GA 1400.

**Joint Degree Master of Arts in Africana Studies and Journalism**

The goal of this program is to help students develop journalistic and social science skills that can be used to better society in the public and private sphere, with a specific focus on the African and African diasporic communities. The curriculum is composed of 42 credits of required classes from both the Departments of Journalism and Africana Studies, as well as elective courses from other disciplines such as the Department of Politics and the Wagner Graduate School. For more information please see the Journalism section of this bulletin.

**Doctor of Philosophy in American Studies**

Students may be admitted to the Ph.D. program either following M.A. study at NYU or elsewhere or directly after receipt of the bachelor’s degree. To qualify for the doctorate, a student must satisfactorily complete graduate studies totaling at least 72 points, with a minimum of 32 points at the doctoral level in residence at New York University; pass qualifying examinations; and present an approved dissertation. Students who have completed relevant graduate courses elsewhere may request that such courses be credited to degree requirements within the second semester of study. Credits may be earned through courses, independent study, and group study. All students must take the introductory Seminar in American Studies, AMST-GA 3301, Strategies for Social and Cultural Analysis AMST-GA3303, and Dissertation Proposal Workshop, AMST-GA 2306. In addition, an optional
maximum of 16 points can be taken for the preparation and writing of the field exams. Beyond this, students work with the director of the program, the director of graduate studies, and committee advisers to establish their course of study; at least 28 points (generally seven courses) in addition to those entailed by the required seminars must be earned in courses offered by the program’s core faculty. The roster of courses is offered on semi-regular rotation and is occasionally modified to reflect changing faculty interests and Program demands. The program offers a range of six fields: (1) culture, work, and consumption; (2) identity, citizenship, and social formation; (3) media, communications, and expressive culture; (4) social and political theory; (5) science, technology, and society; and (6) urban and community studies. Doctoral students choose to concentrate their course work in two of these fields and are examined in each. Under special circumstances, fields can be constructed for students with extraordinary interests. If they wish, students may concentrate their work in specific disciplines, although the chief purpose of the field structure is to encourage transdisciplinary study.

Every matriculant must satisfy the doctoral foreign language proficiency requirement. This may be done in one of three ways: (1) demonstrate proficiency at an intermediate level in a second foreign language as described in the Degree Requirements section of this bulletin; (2) demonstrate advanced proficiency in the same language offered at the master’s level in the Graduate School foreign language proficiency examination; or (3) in special cases, complete a yearlong course (with a grade of B or better) in statistics, computer methodology, or a technical skill related to the student’s research, in addition to demonstrating proficiency in a first foreign language at the master’s level.

Matriculated students who have completed or are completing the appropriate courses and have already demonstrated knowledge of a foreign language must pass the qualifying examinations. Each candidate for the Ph.D. must satisfy the requirements set by the faculty committee in two fields. For each field, the candidate prepares a substantial review essay dealing with a wide range of literature in the field, considering questions and topics central to a course of reading set in consultation with field examiners.

Matriculated students are required to submit a Degree Completion form and Field Exam Proposal form to the Director of Graduate Studies for approval once completing 32 points of course work, and by the fourth semester of matriculation,

When the student has completed at least one year in residence and all course and language requirements, passed the qualifying examinations, proposed an acceptable subject for the dissertation, and been recommended by the program, he or she is formally admitted to candidacy for the doctorate, and an advisory committee is appointed. While most committees are comprised of members from the program faculty, students are permitted to work with any appropriate member of the NYU faculty. Approval of the dissertation by the committee and a defense of the dissertation examination complete the requirements for the degree.


Julie Livingston, Professor; (History, Social and Cultural Analysis). Ph.D. 2001 Emory. The body; gender; history and anthropology; medicine and public health; historical and ethnographic writing.

Cecilia Marquez, Assistant Professor; (Social and Cultural Analysis). Ph.D. 2016 (History) University of Virginia; M.A. (American History), University of Virginia; B.A. (Black and Gender Studies), Swarthmore College. Latino/a history, comparative racial formations, southern history, immigration and ethnic history, and cultural studies.

Jennifer Morgan, Professor; Chair, Social and Cultural Analysis; Professor (History, Social and Cultural Analysis). Ph.D. 1995, Duke; B.A. 1986, Oberlin College. Early African American history; comparative slavery; race and gender in the early Atlantic world.

Crystal Parikh, Associate Professor (Social and Cultural Analysis, English). Ph.D. 2000 (English language and literature), M.A. 1995 (English), Maryland (College Park); B.A. 1992, Miami. Asian American literature and studies; Latino/Chicano literature and studies; feminist and race theory; postcolonial studies; 20th-century American literature.


Andrew Ross, Professor. Ph.D. 1984, Kent (Canterbury); M.A. 1978 (literature), Aberdeen. Labor and work; urban and suburban studies; intellectual history; social and political theory; science; ecology and technology; cultural studies.
COURSES

Africana Studies

Proseminar in Africana Studies
AFRS-GA 2000  Dash. 4 points. 2017-18, 2018-19
Offering a topical exploration of key research themes and topics, the course is an introduction to contemporary historical, ethnographic, cultural and political discourses in Africana studies. The course frames Africana studies within an Atlantic prism as well as exploring other ‘hemispheric’ approaches to examining Africa and its diasporas by examining the various intersecting modernities within which Africana is constructed and contested. Each class will be in three sections. The first part will be lecture based by leading or guest professor, the second will be an open student discussion, while the third returns to the lecturer contextualizing debates within the larger academic remit of the course.

Topics in Africana Studies
AFRS-GA 3213  4 points. 2017-18, 2018-19
Topics course in Africana Studies offered by core faculty member.

Seminar: The Black Body and the Lens
AFRS-GA 2303  Willis. 4 points. 2018-19
This interdisciplinary seminar explores the range of ideas and methods used by critical thinkers in addressing the body in photography, print, video, film and exhibition spaces. Central to our discussions will be a focus on how the display of the black body affects how we see and interpret the world. Using a series of case studies, we will consider the construction of beauty and style, gendered images, race, and pop culture. The historical gaze has profoundly determined the visual construction of the black body in contemporary society. Our specific focus will be on African, African American and African diaspora visual culture. We will consider issues of representation, display and reception as well as the wider social context in which art and culture are experienced in private and public spaces. In addition to classes held on campus, field trips will be taken to museums and galleries. In this course, we shall analyze the diverse ways in which scholars and artists have written about sexuality, black womanhood, and manhood. We will read a variety of significant texts including key examples of cutting-edge scholarship and other writings.

American Studies

American Studies Seminar
AMST-GA 3301.001  4 points. 2017-18, 2018-19
A seminar in American Studies taught by a core faculty member. This course introduces new graduate students in American Studies to the history of the field, and to the range of work currently in progress under its interdisciplinary umbrella. We’ll examine the shifting intellectual parameters and political interventions of American Studies scholarship over the past half century, in the US and globally, then focus on the kind of work produced within our NYU program specifically.
We'll address questions including: What theoretical frameworks and methodological approaches have shaped the field? How has the field intersected with other institutionally insurgent interdisciplinary fields, including (but not limited to) feminist and queer studies, labor studies, comparative ethnic and diaspora studies, environmental studies and dis/ability studies?

Dissertation Proposal Workshop
AMST-GA 2306 4 points. 2017-18, 2018-19
The dissertation proposal workshop is restricted to doctoral students and only taken upon successful completion of at least one field exam in preparation for defending their dissertation proposal.

American Studies Exam Preparation
AMST-GA 2309 4 points. 2017-2018, 2018-19
Restricted to doctoral students taking their first or second field exam.

Topics in American Studies
AMST-GA 2901 4 points. 2017-2018, 2018-19
Topics course in American Studies offered by a core faculty member.

Strategies in Social and Cultural Analysis
AMST-GA 3303 4 points. 2017-18, 2018-19
This course examines the practice and theory of research methods that are commonly used in social and cultural analysis. Through an experiential approach to a variety of methods, we will consider not only how research is conducted, but also how particular methods generate knowledge about social life. Rather than seeking a singular method through which we can fully ‘know’ the social world, we will concentrate on the unique perspectives that different methodologies contribute. In order to gain a comparative perspective on a variety of methods, the course is organized as an exploration of some features of the modern landscape of work. The readings span the era of industrialization and the transition to post-industrial employment.

Reading in American Studies
AMST-GA 3309 1-4 points. 2017-18, 2018-19
Restricted ordinarily to matriculated graduate students. Independent study.

Research in American Studies
AMST-GA 3310 1-4 points. 2017-18, 2018-19
Restricted ordinarily to matriculated graduate students. Independent study.

Thuy Linh Nguyen Tu, Associate Professor; Ph.D. 2003, (American studies) 2003, New York, B.A. 1994 (English), Bates College. Race and ethnicity; popular culture and visual culture; labor and migration; culture and economy.

Deborah Willis, University Professor, Professor (photography and imaging). Ph.D. (cultural studies), George Mason; M.A. (art history), CUNY; M.F.A. (photography) Pratt Institute; B.F.A (photography) Philadelphia College of Art. Visual culture and photography.

Caitlin Zaloom, Associate Professor. Ph.D. 2002 (anthropology), M.A. 1998 (anthropology), California (Berkeley); B.A. 1995 (modern culture and media; Middle Eastern studies), Brown. Interdisciplinary approaches to the contemporary problems of economy, culture, and cities; ethnography of markets; science and social science.

FACULTY EMERITI
E. Frances White
Harvey Molotch
Mary Louise Pratt
Renato Rosaldo
Judith Stacey
Daniel J. Walkowitz

ASSOCIATED AND AFFILIATED FACULTY
Thomas O. Beidelman, Anthropology; Paulette Caldwell, Law; Manthia Diawara, Comparative Literature; Michael D. Dinwiddie, Gallatin School of Individualized Study; Ada Ferrer, History; Faye Ginsburg, Anthropology; Michael Gomez, History, Middle Eastern and Islamic Studies; Jeff Goodwin, Sociology; Linda Gordon, History; Christine Harrington, Politics; Martha Hodes, History; Richard Hull, History; Jason King, Recorded Music; Barbara Kirshenblatt-Gimblett, Performance Studies; Emily Martin, Anthropology; Randy Martin, Art and Public Policy (Tisch School of the Arts); Anna McCarthy, Cinema Studies; Elizabeth McHenry, English; José Esteban Muñoz, Performance Studies; Pamela Newkirk.
Journalism; Tavia Nyong'o, Performance Studies; Anne Rademacher; Anthropology; Jeffrey Sammons; History; Mary Schmidt-Campbell, Tisch School of the Arts; John Singler; Linguistics; Robert P. Stam; Cinema Studies.
PROGRAMS AND REQUIREMENTS

Master of Arts in Applied Quantitative Research

Admission to the M.A. program in Applied Quantitative Research is granted for the fall semester only. Admission is limited to students whose academic records and letters of recommendation indicate exceptional promise of success in the study and application of quantitative research techniques to contemporary social science. This means an outstanding undergraduate record or other related evidence. Applicants with lower averages may be admitted where there is indication of a particular strength in research methods and clear aptitude for graduate work. The general test of the Graduate Record Examination (GRE) is required of all students. All international students whose language of undergraduate instruction was not English are also required to submit scores from the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS). The M.A. program is designed to accommodate both full-time and part-time students.

Formal requirements for the Master of Arts degree in Applied Quantitative Research are the satisfactory completion of graduate studies totaling at least 34 points, including the successful completion of an approved thesis. Students must have a cumulative GPA of at least 3.0. The M.A. degree requires seven core courses totaling 24 points, and elective coursework totaling 10 points. The seven core courses are Design of Social Research, SOC-GA 1301, Data Analysis, SOC-GA 1903, Techniques of Quantitative Analysis I, SOC-GA 1401, Techniques of Quantitative Analysis II, SOC-GA 1402, AQR Workshop I, SOC-GA 1501, AQR Workshop II, SOC-GA 1502, and Master's Thesis SOC-GA 1998. Elective courses are selected from the department's doctoral course offerings or other relevant courses in the University.

Doctor of Philosophy

The Doctor of Philosophy is a research degree. It signifies that the recipient can conduct independent research, has a broad basic knowledge of sociology, and has a comprehensive knowledge of at least one chosen area of specialization. The Ph.D. degree requires 72 points of graduate work (at least 36 in residence at New York University). At least 48 of the points required for the Ph.D. degree must be in Sociology courses. Students must achieve a B or better in all required methods and theory courses. Up to 12 points may be reading or dissertation courses that involve individual work with a member of the faculty. The acceptability of courses outside sociology depends on the relevance of the work to sociology as
judged by the Director of Graduate Studies. Credit for course work done at other universities requires the approval of the Director of Graduate Studies. Students who have done graduate work before entering the doctoral program should see the Director of Graduate Studies when first registering in order to determine what courses may be required of them.

**Course Requirements:** Students are required to take the First Year Proseminar, SOC-GA 3925, to orient them to doctoral study and being a professional sociologist. To satisfy the methods requirement, students take Introduction to Statistics, SOC-GA 2332, Introduction to Methods of Sociological Research, SOC-GA 2330, and one additional methods course. Students also take Classical Sociological Theory, SOC-GA 2111, to satisfy the theory requirement. Finally, students take a year-long Research and Writing Seminar, SOC-GA 3112 (4 points for each of two semesters), in which they conduct an original research project and write a paper for submission to a journal. This course begins in the second semester of their second year and concludes in the first semester of the third year.

**Ph.D. Comprehensive Examination:** Students select one of the broad areas of Sociology in which to take the written comprehensive examination, given by the end of the second year. Each student selects two Sociology faculty readers. The readers aid the student in preparing a reading list and studying for the exam, compose the exam, and determine whether the student has passed the exam.

**Dissertation:** The proposal for the dissertation and the dissertation itself are researched and written in consultation with a committee of at least three advisers. Students defend their proposal before their advisors who decide if they may proceed. Upon approval of the dissertation by the advisers, the dissertation is defended before an examining committee of five faculty members (including at least three dissertation advisers). At least four affirmative votes are required to pass.

**COURSES**

**Core Applied Quantitative Research Courses**

**Designs of Social Research**

SOC-GA 1301  
*Geller, Jackson. 4 points.* 2017-18, 2018-19

This course, taken in the fall semester, is a comprehensive introduction to quantitative research in the social sciences. The course focuses on foundational ideas of sociological research, including strengths and weaknesses of different research designs, interpretation of data drawn from contemporary and historical contexts, and strategies for evaluating evidence. The majority of the course is comprised of two-week units examining particular research designs, with a set of scholarly articles that utilize that design (e.g., experimental designs, with a set of readings that use this method to examine discrimination in labor and housing markets). The course is designed so that students will produce a proposal of their thesis as their final paper.

Sarah K. Cowan, Assistant Professor. Ph.D. 2013 (sociology and demography), M.A. 2008 (sociology), M.A. 2007 (demography), California (Berkeley); B.A. 2002 (ethics, politics and economics), Yale. Demography; survey research; social networks.


David W. Garland, Arthur T. Vanderbilt Professor of Law; Professor. Ph.D. 1984 (sociological studies), Edinburgh; M.A. 1978 (criminology), Sheffield; LL.B. 1977, Edinburgh. Criminology; social control; theory.


Techniques of Quantitative Analysis
SOC-GA 1401, 1402  Greenberg, Hout, 4 points. 2017-18, 2018-19
The two-semester course in data analysis covers numerous specific statistical tools
used in social science research. The course emphasizes the use of statistical
software packages in analysis. Students will gain experience with linear regression,
probability models, statistical graphics, polynomial models, analysis of multivariate
outcomes and repeated measures, and logistic regression. Prerequisite: introductory
statistics course that includes linear regression.

Proseminar Workshop
SOC-GA 1501, 1502  Geller, Hunzaker. 4 points. 2017-18, 2018-19
The seminar is designed to serve multiple sets of student needs. With a focus on
presentations from outside speakers and practical training, the seminar will expose
students to different methods and practices of sociology. Seminar presentations
are given on a wide range of topics by faculty from NYU and other New York
City universities, as well as researchers from private, government, and non-profit
settings. Some weeks will focus on current research in a particular area or on a
particular topic, while other weeks will focus on specific skills (such as a software
package) or topic of interest (such as applying to PhD programs).

Data Analysis Workshop
SOC-GA 1903  Geller. 4 points. 2017-18, 2018-19
This course is designed to help AQR students gain experience with “real-world”
data. Over the course of the semester, students will work collaboratively on a
data project, working with either faculty or external organizations on a project of
mutual interest, providing students with an authentic experience in data analysis
and presentation.

AQR Masters Thesis
SOC-GA 1998  Geller. 4 points. 2017-18, 2018-19
To complete the requirements for the MA in Applied Quantitative Research,
students will complete an independent research project, under the direction of a
faculty member in the Department of Sociology (either chosen by the student,
or assigned by the AQR program director). The project will involve an original
(secondary) analysis of quantitative data to answer a research question constructed
by the student (and approved by her/his faculty advisor). A preliminary proposal
must be discussed and approved by the faculty advisor. The final project will take
the form of a paper that would potentially be appropriate for submission to a
scholarly journal in the social sciences.

Courses for the Doctoral Program

Classical Sociological Theory (1848-1950)
SOC-GA 2111  Abend, Garland, Lukes. 4 points. 2017-18, 2018-19
An introduction to some of the central texts and traditions that have shaped
modern sociology. Discussions focus on a set of substantive and methodological
questions—the work of theory; the nature of modernity; the sources of social

(physics), Chicago.
Sociology of sex; criminology; sociology of law; deviance; quantitative methods;
historical sociology.

Lynne Haney, Professor. Ph.D. 1997, M.A.
1992, California (Berkeley); B.A. 1990,
California (San Diego).
Law/punishment, sex and gender,
qualitative methodology, political
sociology.

Ruth Horowitz, Professor. Ph.D. 1975, M.A.
1972, Chicago; B.A. 1969, Temple.
Deviance; ethnography, urban sociology,
medical sociology.

Michael Hout, Professor. Ph.D. 1976, M.A.
1973, Indiana; B.A. 1972 (sociology and
history), Pittsburgh.
Stratification; education; demography,
religion.

Mary Beth Hunzaker, Assistant Professor.
Ph.D. 2017, M.A. 2014, Duke; B.A. 2010,
Western Carolina University.
Culture and cognition; social psychology;
network analysis.

Guillermina Jasso, Silver Professor. Ph.D.
1974, Johns Hopkins; M.A. 1970 (sociology
and anthropology), Notre Dame; B.A. 1962,
Our Lady of the Lake College.
Theory; international migration; social
justice.

Jennifer L. Jennings, Associate Professor.
Ph.D. 2009, M.A. 2006, Columbia; M.Phil.
2003 (education), Cambridge; B.A. 2000
(public policy), Princeton.
Education; stratification; organizations;
health.

Colin Jerolmack, Associate Professor.
(Sociology, Environmental Studies) Ph.D.
2008, CUNY, M.A. 2005, Queens College
(CUNY); B.S. 2000 (psychology), Drexel.
Community and urban sociology; environmental sociology; human-animal
relations.
order; the character of the state; the logic of the group; the nature of action and its relation to social structure. The foundational works of Marx, Durkheim, Weber, Simmel, and of others such as G.H. Mead, Robert Merton, Karl Polanyi and Norbert Elias will be discussed.

Methods of Inquiry

Qualitative Methods
SOC-GA 2303 Gerson, Haney, Horowitz, Jerolmack, Tavory. 4 points. 2017-18, 2018-19
Qualitative methods, including ethnographic observation and depth interviewing with open-ended responses, are presented. Coverage spans the formulation of a qualitative project as well as the collection and analysis of qualitative data. Students engage in exploratory research that may lead to a published article or dissertation project.

Advanced Multivariate Statistics
SOC-GA 2312 Prerequisite: permission of the instructor. Greenberg, Hout. 4 points. 2017-18, 2018-19
A sequel to SOC-GA 2332 emphasizing the application of advanced techniques used to analyze social science data. Topics may include the general linear model, diagnostic techniques, construction of scales and indexes, exploratory and confirmatory factor analysis, log-linear models, multilevel models, finite mixture models, complex sample design, the handling of missing data, and causal modeling methods (including instrumental variables, difference-in-difference, structural equation modeling, fixed and random effects models, regression discontinuity, correction for sample selection bias, and propensity score matching).

Longitudinal Statistics
SOC-GA 2314 Greenberg. 4 points. 2018-19
Statistical models and methods that make use of the temporal dimension in a data set, that is, its “over time” character. Age-period-cohort analysis, event history analysis, time series, repeated cross-sections, static and dynamic panel data methods.

Introduction to Methods of Sociological Research
SOC-GA 2330 Prerequisite: SOC-GA 2332 or permission of the instructor. Hout, Jackson, Klinenberg, Morning. 4 points. 2017-18, 2018-19
Provides an introduction to the methods of research in sociology. The focus is the relationship between theory and empirical evidence, and research design. Methods include ethnographic observation, in-depth interviewing, comparative research, sampling, conceptualization, measurement, and causal inference.

Introduction to Statistics
SOC-GA 2332 Cheng, Greenberg, Sharkey. 4 points. 2017-18, 2018-19
Provides an introduction to statistics and quantitative methods for the social sciences. Covers the central concepts and techniques for analysis of quantitative data, including the general linear model in some of its varieties, such as...
ordinary-least-squares and logistic regression. Discusses limitations and critiques of quantitative methods. With the guidance of the instructor and teaching assistant, students carry out independent quantitative research projects and present them at the conclusion of the course.

**Substantive Sociology Courses**

**Sociology of Organizations**
SOC-GA 2132 *DiMaggio. 4 points. 2018-19*
Familiarizes students with classic and recent organizational scholarship; enables students to apply critical insights from the literature to empirical analyses of organizations; and provides an overview for the curious and a platform for independent work. Topics include bureaucracy; the Carnegie School and decision making; transaction cost analysis, resource dependence theory and structural holes; organizational ecology; neoinstitutional theory, network analysis and organizational fields; organizational sense-making; gender and racial inequality in organizations; technology and the labor process; innovation and macro-organizational change.

**Social Stratification and Inequality**
SOC-GA 2137 *Jackson, Jasso, Hout, Cheng. 4 points. 2017-18, 2018-19*
Examines substantive, theoretical, and methodological topics in the field of social stratification. Reviews classical theoretical approaches to the questions of inequality and mobility; discusses patterns and sources of income, wealth, and class inequality, and the factors affecting mobility over the individual life-cycle and across generations; and surveys institutional determinants of stratification, including the role that education, the family, the labor market, and the state play in stratification dynamics.

**Demography**
SOC-GA 2139 *Cowan, Wu. 4 points. 2018-19*
Overviews substantive field of demography, with an emphasis on the social aspects of population change, fertility, mortality, migration, and population composition.

**Social Movements**
SOC-GA 2153 *Goodwin. 4 points. 2018-19*
Assesses the adequacy of various theoretical perspectives on movements and revolutions as well as the practical wisdom which scholarship on movements has to offer to activists and citizens. Examines what leading scholars have to say about the material and social constraints on sustained collective action, how movements and rebellions nonetheless develop, and why movements, including revolutionary movements, win or lose.

**Sociology of Sex and Gender**
SOC-GA 2227 *England, Haney, Jackson. 4 points. 2018-19*
Critically assesses social science research and competing theories on gender. Topics include equality and inequality between the sexes in economic, political, and personal domains; cultural beliefs about gender; reproduction and child rearing; and sexuality.
Sociology of Education
SOC-GA 2407 Jennings. 4 points. 2018-19
Sociological perspective on American education. Topics include the social context of socialization and learning; the effects of schooling; desegregation and social inequality; teachers as unionized professionals; school politics and bureaucracy; and selected policy issues confronting American education. Emphasis is on American institutions, although comparative perspectives are discussed.

Sociology of Culture
SOC-GA 2414 DiMaggio, Klinenberg, Tavory. 4 points. 2018-19
Survey of major approaches to the sociology of culture and the use of cultural theory in sociological analysis. Specific topics include cultural institutions, the relationship of popular to elite culture, different media of cultural communication and expression, historical transformations of culture (including debates over postmodernism), cultural hegemony and domination, and cultural politics. Authors whose works are studied include Raymond Williams, Stuart Hall, Pierre Bourdieu, Paul Gilroy, Paul DiMaggio, and Charles Taylor.

Sociology of Knowledge
SOC-GA 2422 Abend, Morning. 4 points. 2018-19
Reviews and evaluates important perspectives on the relationship between knowledge and social structure. Focuses on a number of research strategies concerned with types of knowledge and knowledge-systems, codes and symbols, the manipulation of knowledge for social and political purposes, the study of ideologies, and the major factors in knowledge production.

Society and Economy
SOC-GA 2435 Abend, Chibber, DiMaggio, Royster. 4 points. 2018-19
Examines the relationship between economic institutions and other social institutions. Considers how economic life influences and is affected by political organizations, the logic of organizational functioning, kinship systems, class conflict, and other social phenomena. Materials include classical theoretical works and contemporary studies.

Political Sociology
SOC-GA 2441 Goodwin, Manza. 4 points. 2018-19
Surveys controversies and research topics in political sociology. At the center of these investigations are states and power. Explores concepts of power and the theories of the state. Topics are the formation of states, political institutions, and social policies and the determinants and outcomes of collective action.

Sociology of the Family
SOC-GA 2451 England, Gerson, Wu. 4 points. 2018-19
Focuses on theories and contemporary research on families both historically and in modern societies. Topics may include family change, the effects on family life of economic and cultural change, how labor and other activities are allocated between partners in heterosexual and same-sex marriages and other relationships, changes in the meaning of marriage and its connection to the bearing and rearing of children, effects of family structure and processes on children, work/family conflict, and the rise of non-traditional family forms.
Urban Sociology
SOC-GA 2463  Klinenberg, Molotch. 4 points. 2018-19
Examines the interplay between routines of city life and the historic, political, and economic contexts in which they play out. Attention goes to comparative cases of world urban development, tracing links within and across cities at different historic and regional circumstances.

Micro-Macro Processes
SOC-GA 3440  Baldassarri, Jasso. 4 points. 2018-19
Examines how social life emerges from the interdependent behavior of multiple actors. Drawing from the analytical sociology research tradition, investigates the micro-level processes that bring about macro outcomes of interest. Topics include social influence, diffusion, segregation, cooperation and collective action, network externalities, status hierarchies, and social norms. Considers research using a variety of methods.

Variable Content Courses

AQR Internship Course
SOC-GA 1997  Geller. 1 or 2 points per term.
This course allows students to receive course credit for off-campus internship work by documenting their work activities in a professional setting, and reflecting on their internship’s connection to broader principles of applied quantitative analysis. Course credit varies based on the number of hours worked and the number of writing assignments completed. 2017-18, 2018-19.

Apprenticeship I, II, III, IV, V, VI
SOC-GA 2321, 2322, 2323, 2324, 2325, 2326  Variable points. 2017-18, 2018-19

Research and Writing Seminar
SOC-GA 3112  Baldassarri, Jennings, Jerolmack, Manza, Morning, Royster, Tavory. 4 points. 2017-18, 2018-19
Guides students in conducting an original research project, and preparing a publishable paper based on the research.

Reading Course I, II, III, IV, V
SOC-GA 3915, 3916, 3917, 3918, 3919  These courses entail independent reading and study by students under a faculty member’s guidance. 2 points per term, unless instructor requests 1, 3, or 4 points. 2017-18, 2018-19

Doctoral Dissertation I, II, III, IV
SOC-GA 3901, 3902, 3903, 3904  1-4 points per term. 2017-18, 2018-19

First Year Proseminar
SOC-GA 3925  England, Greenberg, Jennings, Manza. 2 points per term. 2017-18, 2018-19
Provides a practical introduction to being a doctoral student in sociology, conducting and publishing research, and teaching. Open only to first-year doctoral students in Sociology.
DEPARTMENT OF

Spanish and Portuguese Languages and Literatures

PROGRAMS AND REQUIREMENTS

Master of Arts in Spanish and Latin American Languages and Literatures

This one-year program is offered at NYU Madrid. Graduate students wishing to pursue this M.A. degree in Madrid must complete their course work in two semesters. Students who complete the M.A. degree in Madrid are not automatically accepted into the Ph.D. program in New York. A student wishing to enter the doctoral program in New York must go through the normal application process.

Students develop their interests in literary and critical theory, peninsular and Latin American literature, and the arts and culture of both regions. While most students who choose this option are interested in pursuing a doctoral degree and/or teaching at the college or university level, others go on to careers in secondary education or in other fields in which they can use their thorough knowledge and understanding of the Spanish-speaking world. Students are required to take Cultural History of Spain, SPAN-GA 9945, and Cultural History of Latin America, SPAN-GA 9946.

Students take Research Skills Workshop, SPAN-GA 9825, and M.A. Thesis Seminar, SPAN-GA 9997, and 5 elective courses. All students must complete an MA project, a substantial piece of original scholarly work on a topic of their choice completed under the guidance of an advisor from the faculty at NYU Madrid.

Master of Arts in Teaching Spanish as a Foreign Language and TESOL

This unique, transatlantic 50-credit Master of Arts program combines one year in Madrid and one year in New York City. The program leads to dual certification as a teacher of Spanish for grades 7-12 and as a teacher of English as a Second Language (TESOL) for grades K-12. The program is offered jointly by Steinhardt's Foreign Language Education Program and NYU Madrid, whose graduate programs are overseen by the Graduate School of Arts and Science through the Department of Spanish and Portuguese.

Over the first year in Madrid, all students take two pedagogical core courses, Teaching Spanish as a Foreign Language, SPAN-GA 9201, and Applied Methodology for Teaching Spanish as a Foreign Language, SPAN-GA 9202, and four content core courses Stylistics and Semantics of Written Spanish, SPAN-GA
9108, Advanced Workshop in Contemporary Hispanic Issues, SPAN-GA 9203, Hispanic Dialectology and Sociolinguistics, SPAN-GA 9208, Applied Phonetics and Spoken Contemporary Spanish, SPAN-GA 9557, plus SPAN-GA 9890, Independent Guided Project I, and SPAN-GA 9893, Independent Guided Project II, totaling 26 points. The remaining 24 points required for the degree are completed in the second year in New York

Master of Fine Arts in Creative Writing in Spanish
Our M.F.A. program offers instruction in Spanish. Its goal is to enable talented young writers to discover their strengths and develop their craft under the guidance of prominent Latin American, Spanish, and Latino writers. It is a two-year program of 32 points (i.e., eight courses, two per semester) and a creative writing thesis at the end. The requirements for admission are a B.A. or Licenciatura in any field of study, a writing sample consisting of 8 to 10 poems or 20 pages of prose (fiction, essay), a statement of purpose (500-1000 words), three letters of recommendation, an official transcript of undergraduate studies, and TOEFL scores or IELTS (for those whose native language is not English). An admissions committee consisting of the director of the Creative Writing Program, two clinical professor, and one faculty teaching in the program on a regular basis will review applications. The statement of purpose, the writing sample, and the letters of recommendation are the most decisive factors in this review.

The program consists of two required courses on general writing issues Approaches to Narrative and Poetry, SPAN-GA 4001, and either Forms and Techniques of Fiction and Nonfiction Prose, SPAN-GA 4002, or Forms and Techniques of Poetry, SPAN-GA 4003, four writing workshops (at least two in the field in which the student plans to specialize), and two electives. Workshops will be offered in fiction, poetry, creative nonfiction, theater, and translation. Additional workshops will be added to the program as needed. The two elective courses may be in the Creative Writing Program, the Department of Spanish and Portuguese, or in another department, with an adviser’s approval. Students will also write a thesis with the counsel of a faculty member and a second reader at the second year of their course of study. Students write this final independent project consisting of between 50-80 pages for prose, 40-50 pages for theater or translation, 30 pages for poetry. This final project may include, or may be an expansion of work begun during previous courses, but it should represent a culminating effort to shape stories, prose-pieces, a long narrative, a literary translation or a group of poems into a coherent, self-sufficient work.

Doctor of Philosophy
The Doctor of Philosophy is a research degree. It signifies that the recipient is able to conduct independent research and has both broad knowledge of Spanish and Latin American language and literature and a comprehensive knowledge of one in particular. The department accepts only students of outstanding promise, as evidenced by their academic records, statement of purpose, and writing sample. Students applying to the doctoral program must have either a B.A. or an M.A.

Georgina Dopico, Associate Professor. Ph.D. 1995 (Spanish literature), Yale; B.A. 1986 (history and literature), Harvard. Literature, history, and culture of early modern Spain; canon formation; early modern libraries; race and gender studies; cultural politics; contemporary literary and cultural theory and criticism.

Jabier Elorrieta, Clinical Associate Professor; Director of Spanish Language Program. Ph.D. 1996 (linguistics), Texas at Austin; B.A. 1982 (English and Basque), Duesto. Foreign language teaching methodology, second-language acquisition, study abroad, phonology, syntax and morphology, dialectology, curricular planning, teacher training.


Sibylle Maria Fischer, Associate Professor. Ph.D. Columbia (Comparative Literature/ Spanish and Portuguese); M.A. Free University Berlin (Latin American studies, philosophy). Caribbean history and culture; race in the Iberian Atlantic; culture and politics in 19th century Latin America; cultural, aesthetic, and political theory; revolution in Spanish America and the Caribbean.

Gabriel Giorgi, Professor. Ph.D. 2002 (Spanish and Portuguese), New York; M.A. 1996 (sociosemiotics), Nacional de Córdoba. Literature from the Southern Cone; biopolitics; queer theory and gender studies; literature and philosophy; critical theory.
degree in literature or a related field and are admitted to the Ph.D. program on the basis of an evaluation of their undergraduate or graduate record by the Director of Graduate Studies and a departmental faculty admissions committee. A writing sample of literary criticism is required for the Ph.D. program. It may be a term paper, a master’s thesis, or a published article and should be written in Spanish or Portuguese. In addition, the department requires that candidates take the Graduate Record Examination (GRE) general test. Students whose native language is not English may be required to take the Test of English as a Foreign Language (TOEFL). A high level of proficiency is required in either Spanish or Portuguese or both.

A student must satisfactorily complete graduate studies totaling at least 72 points (at least 32 in residence at New York University) with at least a B average, pass the Ph.D. candidacy requirements, and present an acceptable dissertation. A reading knowledge as well as aural comprehension of Portuguese for Spanish majors and Spanish for Portuguese majors is required for admission to graduate courses in Spanish and Portuguese. There are three required courses: Seminar in Theory, SPAN-GA 2965, Guided Individual Readings, SPAN-GA 2891, and the Dissertation Proposal Workshop, SPAN-GA 3545, taken in both the fall and spring of the third year. Any student wishing to teach during the Ph.D. program is required to take Foreign Language Teaching Methodology Workshop, SPAN-GA 1120.

Reading knowledge of an additional research language is required for all doctoral students. The choice of that language (exclusive of Spanish, Portuguese, or English) should be consistent with the student’s interest and contemplated field of specialization (e.g., Italian or German for a scholar of early modern Spain, French for a contemporary Hispanist, etc.) and should be decided upon in consultation with the director of graduate studies. Reading ability in these languages is tested by the methods outlined in the Degree Requirements section of this bulletin.

Ph.D. candidacy requirements may be fulfilled only after the completion of 64 points. The candidacy requirement is a Comprehensive Examination consisting of a written and oral examination on three individualized reading lists. These lists will cover the students’ Dissertation, Theory, and Teaching fields and are developed by the student in collaboration with the three advisors. To prepare for the Comprehensive Examination, the student must enroll in Guided Individual Readings, SPAN-GA 2891, with the Dissertation Advisor, a workshop designed to guide the student in the preparation of the dissertation project paper.

To fulfill the requirements for the doctoral degree, students must complete all course and language requirements, satisfy the Ph.D. candidacy requirements, and write a doctoral dissertation under the supervision of a thesis adviser. When the dissertation is completed and approved by the candidate’s adviser and readers, an oral examination is held at which the candidate presents and defends the results of the research before a faculty committee.

Concentration in Medieval and Renaissance Studies: The concentration in Medieval and Renaissance Studies is interdisciplinary in nature and creates a
framework and community for diverse approaches to the study of the Middle Ages and Renaissance. It complements doctoral students’ work in their home departments with interdisciplinary study of the broad range of culture in the medieval and early modern periods, as well as of the theories and methods that attend them. The concentration is designed to train specialists who are firmly based in a traditional discipline but who can work across disciplinary boundaries, making use of varied theoretical approaches and methodological practices. The concentration consists of twenty credits distributed under the following courses: Proseminar in Medieval and Renaissance Studies, MEDI-GA 1100, Late Latin and Early Vernaculars, MEDI-GA 2100 or other approved course, and Medieval and Renaissance Studies Workshop, MEDI-GA 2000, 2 points per semester taken twice in an academic year. Students must also take one approved course in the area of Medieval and Renaissance Media: Visual and Material Cultures, and one approved course in a medieval or early modern topic. At least one course, not counting either the Proseminar or Workshop, must be taken outside a student’s home department. In addition, students pursuing the concentration will present a paper at least once either in the Workshop or in a conference offered by the Medieval and Renaissance Center.

COURSES

Foreign Language Teaching Workshop
SPAN-GA 1120 Required of all doctoral students who plan to teach. 2 points. 2017-18, 2018-19
Weekly seminar workshop in which students will learn the basic theories of second language acquisition that underlie modern methods of second language teaching at the college level. Content-based and student-centered instruction will be emphasized, with particular attention paid to the development of all four language skills (listening, speaking, reading and writing) as well as the integration of cultural content throughout the curriculum.

Guided Individual Readings
SPAN-GA 2891 Required of all doctoral students. 2 points. 2017-18, 2018-19
During this program of guided reading and research reports, taken in the second semester of the second year, students work with their future dissertation advisors to start to shape up a dissertation topic and prepare for the Comprehensive Evaluation.

Seminar in Theory
SPAN-GA 2965 Required of all doctoral students. 4 points. 2017-18, 2018-19
Taken by all graduate students in the first semester of their first year, this weekly seminar introduces them to cutting-edge theoretical work relevant to the literary and cultural field, and helps them to develop ways of applying theoretical insights to their own work.

Spanish intellectual history; the Counter-Reformation and the Conquest; the Enlightenment; avant-garde movements in Spain and Latin America; Spain’s transition to democracy.

Matthew Tanico, Visiting Assistant Professor. Ph.D. 2017, M.A. 2013, Yale; B.A. 2011, NYU.
Early modern Spanish literature, material culture; history of technology; history of ideas.

Diana Taylor, Professor, (Performance Studies, Spanish and Portuguese Languages and Literatures); Director, Hemispheric Institute on Performance and Politics. Ph.D. 1981 (comparative literature), Washington; M.A. 1974 (comparative literature), National (Mexico); Certificat d’Études Supérieures 1972, Aix-Marseille; B.A. 1971 (creative writing), University of the Americas (Mexico).
Latin American and U.S. theatre and performance; performance and politics; feminist theatre and performance in the Americas.

Laura Torres-Rodriguez, Assistant Professor. Ph.D. 2012, M.A. 2008 (Hispanic studies), Pennsylvania; B.A. 2006 (Hispanic studies), Puerto Rico.
Mexican literature and visual culture since 1890; Latin American intellectual history; Orientalism and postcolonial theory; nationalism and colonialism; Latin American modernismo; aestheticism and popular culture; gender studies; poetry; Marxism in Latin America and Asia.

Zeb Tortorici, Assistant Professor. Ph.D. 2010 (history), M.A. 2004 (history), B.A. 2000 (economics and history), California, Los Angeles.
Gender and sexuality in colonial Latin America; human-animal studies; queering archives; history of suicide; history of pornography.

Maria José Zubieta, Clinical Assistant Professor. Ph.D. 2002 (Hispanic languages and literatures), M.A. 1996 (Latin American literature), California (Los Angeles); B.A. 1993 (Spanish Literature), California State (Northridge).
Foreign Language methodology; second language acquisition.
Dissertation Proposal Workshop  
SPAN-GA 3545  Required of all doctoral students. 4 points. 2017-18, 2018-19
This workshop allows students, under expert guidance, to help each other shape up successive drafts of their dissertation proposal, as well as giving them practice in applying skills and methodologies required for the development of an extended research project in their field. Students are required to take this course in both the fall and spring of Year 3.

Iberian Studies

Introduction to Medieval Literature  
SPAN-GA 1211  Pearce. 4 points. 2017-18, 2018-19
Theoretical and practical introduction to the meaning of “letters” and literature in the Middle Ages and the methods and techniques to approach them. Major themes, literary “topoi,” and trends are illustrated with readings from the “jarchas” and Cantar de mio Cid through Libro de buen amor and La Celestina.

Guided Individual Readings in Spanish and Spanish American Literature  
SPAN-GA 2891, 2893, 2894  1-4 points per term. 2017-18, 2018-19

Special Topics in Spanish Literature  
SPAN-GA 2965, 2966, 2975, 2976  Basterra, Dopico-Black, Fernández, Mendelson, Labanyi, Pearce, Subirats, Tárico. 4 points. 2017-18, 2018-19
Topics will include: Early Modern Spain: A History of Things; Poetry, Affects, Politics; History of the Emotions; Art and Power in the Age of Dictatorships, among others.

Research  
SPAN-GA 3991, 3992  1-4 points per term. 2017-18, 2018-19

Latin American And Caribbean Studies

Latin American Theatre  
SPAN-GA 2822  Taylor. 4 points.
Most recent trends in contemporary theatrical practice— theatre of the resistance in Chile, critical realism in Mexico, campesino theatre in Peru, Colombian collective theatre. Tradition and innovation in the new theatre of Latin America.

Special Topics in Spanish American Literature  
SPAN-GA 2967, 2968, 2977, 2978  Andermann, Dopico, Fiol-Matta, Fischer, Giorgi, Lane, Noel, Robbins Subirats, Taylor, Tortorici. 4 points. 2017-18, 2018-19
Topics will include Animalidad y política en la cultura hispanoamericana; High and Low: The Cultures of Latin American Modernism, Histories of Race in the Iberian Atlantic; Introduction to Latin American Literature; The Labor of Gender: A Mexican Perspective; Audible Geographies.

CREATIVE WRITING IN SPANISH FACULTY

Sergio Chejfec, Distinguished Writer in Residence.

Diamela Eltit, Global Distinguished Professor.

Lina Meruane, Clinical Assistant Professor. Ph.D. 2009 (Spanish and Portuguese), NYU. Latin American Literatures and Cultures; Gender Studies and Feminism; Global and Local Debates; Disease Studies.

Alejandro Moreno, Adjunct Instructor. Ph.D. 2016 (Spanish and Portuguese), 2009 MFA Creative Writing in Spanish, NYU.

Rubén Ríos Ávila, Professor. Ph.D. 1983, M.A. 1977 (comparative literature), Cornell; B.A. 1974 (comparative literature), Puerto Rico (Río Piedras). Non-fiction writing; Spanish Caribbean literature and cultural studies; neo-Baroque and queer studies; literary theory; literature and psychoanalysis.


FACULTY EMERITI

Helene M. Anderson, Kenneth Krabbennhoff, H. Salvador Martínez, Sylvia Molloy, Judith K. Némethy, Mary Louise Pratt.
Brazilian Studies

**Guided Individual Readings in Portuguese and Brazilian Literature**
PORT-GA 2891, 2892, 2893, 2894  *1-4 points per term.* 2017-18, 2018-19

**Special Topics in Brazilian and Portuguese Literature**
PORT-GA 2967, 2968, 2977, 2978  *Andermann, Peixoto, Robbins, Subirats.*
*4 points per term.* 2017-18, 2018-19
Topics will include The Environmental Turn: Art and Space in Latin America since the Seventies; Reading Clarice Lispector; Em via de transe: Spirit Possession and Political Subjectivity in Brazil; Devouring and Being: anthropophagy and cannibalism through the “Ontological Turn.”

Language and Linguistics

**Portuguese for Spanish Speakers**
PORT-GA 1104  *0 points.* 2017-18, 2018-19
Comprehensive approach to Brazilian Portuguese for advanced (native/near-native) Spanish speakers. Teaches grammar at an accelerated pace to prepare students for literature classes in Portuguese.

Creative Writing in Spanish

**Approaches to Narrative and Poetry**
SPAN-GA 4001  *Required of all students. 4 points.* 2016-17, 2017-19
Introductory course combining exploration of writers’ reflections on their craft with readings in literary theory and criticism. Visiting Spanish, Latin American, and Latino writers are invited regularly to lecture in the course.

**Forms and Techniques of Fiction and Nonfiction Prose**
SPAN-GA 4002  *Required of all students not taking SPAN-GA 4003. Dreyfus, Zemborain. 4 points.* 2017-18, 2018-19
Discussion of fiction and nonfiction techniques in relation to assigned readings and exploration of various aspects of prose writing, including memoir, literary journalism, journals, and essays. Assumes some familiarity with major fiction writers in Spanish. Required of all students not taking SPAN-GA 4003.

**Forms and Techniques of Poetry**
SPAN-GA 4003  *Required of all students not taking SPAN-GA 4002. Dreyfus, Zemborain. 4 points.* 2017-18, 2018-19
Introduces students to the craft of writing poetry through readings of Spanish and Latin American poets, and encourages them to reflect on that poetry and to discover in it possibilities for their own writing.

Workshop in Fiction
SPAN-GA 4101  *4 points.*

Workshop in Poetry
SPAN-GA 4102  *4 points.*
Workshop in Creative Nonfiction
SPAN-GA 4103  4 points.

Workshop in Literary Translation
SPAN-GA 4104  4 points.

Variable Topics Workshop
SPAN-GA 4105  4 points.

NYU In Madrid

Stylistics and Semantics of Written Spanish
SPAN-GA 9108  4 points. 2017-18, 2018-19
A systematic study of grammatical, discursive, and pragmatic systems together with a practical study of form, function and usage in Spanish. Students will gain practice on several levels as well as guidance for their own language teaching.

Teaching Spanish as a Foreign Language
SPAN-GA 9201  4 points. 2017-18, 2018-19
This course comprises a weekly seminar combined with observations of “Spanish as a second language (ELE)” classes from NYU Madrid’s undergraduate program. Seminars cover communicative competence; new approaches to teaching grammar; acquisition of pragmatic competence; teaching culture and intercultural issues; the development of different linguistic skills (auditory, oral, written, reading comprehension); correction of errors; and language level assessment.

Applied Methodology for Teaching Spanish as a Foreign Language
SPAN-GA 9202  4 points. 2017-18, 2018-19
This course follows the Teaching Spanish as a Foreign Language course, emphasizing practical issues of day-to-day lesson planning, plus different methods for promoting student motivation and positive reinforcement through classroom communication. A range of undergraduate courses at NYU Madrid—at beginner, intermediate, and advanced levels—will be used to offer MA students teaching experience.

Hispanic Dialectology and Sociolinguistics
SPAN-GA 9208  4 points. 2017-18, 2018-19
A comprehensive overview of factors that influence geographic and sociolinguistic variation in Spanish. Students will additionally explore gender- and age-based linguistic differences, as well as sociolinguistic variants due to social and cultural factors in Spain, Latin America, and the United States.

Introduction to Textual Criticism
SPAN-GA 9555  4 points. 2017-18, 2018-19
This course provides students with a graduate-level introduction to criticism by studying Spanish and Latin American texts and offering practice in the writing of analytical academic essays. It covers texts from different eras in diverse literary genres (narrative, poetry, theater & essay), as well as film and other contemporary cultural practices, drawing on literary, cinematic, and cultural theory.
Applied Phonetics and Spoken Contemporary Spanish
SPAN-GA 9556 4 points. 2017-18, 2018-19
The course introduces students to the study of Spanish phonology and phonetics in order to analyze various features of the sound systems of peninsular and American variants of spoken Spanish, allowing students to distinguish regional and social varieties of the language. The course will also explore the current state of teaching phonetics in second language acquisition.

Independent Guided Project I
SPAN-GA 9890 1 point. 2017-18, 2018-19
A guided yet independent work relevant to foreign language teaching, pedagogy, and other associated areas. Research methods used may include experimental, quasi-experimental, descriptive, historical and/or philosophical paradigms. The individual research project can be completed through reading literature on foreign or second language acquisition/learning, and, where appropriate, attending talks and conferences. It can also draw on field experience.

Independent Guided Project II
SPAN-GA 9893 2 points. 2017-18, 2018-19
A guided yet independent work relevant to foreign language teaching, pedagogy, and other associated areas. Research methods used may include experimental, quasi-experimental, descriptive, historical and/or philosophical paradigms. The individual research project can be completed through reading literature on foreign or second language acquisition/learning, and, where appropriate, attending talks and conferences. It can also draw on field experience.

Research Skills Workshop
SPAN-GA 9825 Required of all students for the M.A. in Spanish and Latin American Linguistic, Literary and Cultural Studies. 2 points. 2017-18, 2018-19

Photography in Spain and Latin America: A Critical History
SPAN-GA 9847 4 points. 2017-18, 2018-19
An introduction to the history of photography, subdivided into a chronological study of artists, schools and genres. Interdisciplinary approaches are encouraged through reading assignments in contemporary and critical thought, as well as formal approaches. The theoretical classes are followed by mandatory practical sessions at the Reina Sofía and other museums or institutions.

Cultural History of Spain
SPAN-GA 9945 Required of all students for the M.A. in Spanish and Latin American Linguistic, Literary and Cultural Studies. 4 points. 2017-18, 2018-19
This course, divided into three modules each taught by a different specialist, provides an overview of critical concepts and debates in Hispanic studies through an interdisciplinary approach to the study of Spanish culture from the Middle Ages to the present. Visits are incorporated to research centers, museums, and urban spaces in Madrid. The modules are: I. The Multicultural Middle Ages; II. Early Modern Bodies; III. Modernization and the City.
Cultural History of Latin America
SPAN-GA 9946  Required of all students for the M.A. in Spanish and Latin American Linguistic, Literary and Cultural Studies. 4 points. 2017-18, 2018-19
This course, divided into three modules each taught by a different specialist, provides an overview of critical concepts and debates in Hispanic studies through an interdisciplinary approach to the study of Latin American culture from the Conquest and colonial period to the present. Film screenings and visits to museums and research centers in Madrid form an integral part of the program of studies. The modules are: I. Transculturation and Colonialism; II. The Nation and its Discontents; III. Mass Culture, and the Media.

Literary Encounters: Jews, Christians, and Muslims in Medieval Spain
SPAN-GA 9966  4 points. 2017-18, 2018-19
This course studies the Jewish, Muslim, and Christian cultural heritage of Medieval Spain. Particular emphasis will be placed on the contributions of Muslims, Christians, and Jews to Spanish Literature, the history of Spain, religion, philosophy, and the arts and sciences. The course will analyze the problems of integration in al-Andalus and Christian Spain up to the expulsion of the Jews and the end of Muslim rule in 1492, paying particular attention to questions of identity in minority groups in a multicultural environment.

Imagining Modernity in 19th Century Latin America
SPAN-GA 9967  4 points. 2017-18, 2018-19
This course explores the relationships between literature and discourses of political and cultural modernity in nineteenth-century Latin America. We will examine how writers responded, ideologically and formally, to the construction of modern nation-states in ethnically heterogeneous societies, political and cultural decolonization, and the commodification of social relations.

Topics in Art History: Collecting and Display Histories of Spain
SPAN-GA 9990  4 points. 2017-18, 2018-19
The colonization of Spanish America in the 16th century coincided with the rise of the power of images throughout Counter-Reformation Europe. This course looks at images, and especially paintings, as instruments of persuasion on both sides of the Atlantic, exploring the various roles that images played in all spheres of life from the 16th to the 18th centuries. The course will include class visits to local museums and collections, including the Prado Museum, the convent of the Descalzas Reales, and the Museo de América.

MA Thesis Seminar
SPAN-GA 9997  Required of all students for the M.A. in Spanish and Latin American Linguistic, Literary and Cultural Studies. 2 points. 2017-18, 2018-19
PROGRAMS AND REQUIREMENTS

Doctor of Philosophy

In addition to the documents required by the graduate school for all applications, the Institute for the Study of the Ancient World requires a writing sample that may not exceed 35 pages double-spaced and a separate list of all ancient and modern languages (other than English) in which the applicant has some proficiency. This list should be uploaded on one of the ‘Additional Information’ pages of the online application. The list should indicate the applicant’s level of each language in concrete terms (e.g., what are the most extensive or difficult texts that the applicant has read) and how the language was acquired.

The formal requirements for the Ph.D. are the following: 72 points of graduate course credit are required. These points will include research seminars (see below), supervised independent study, supervised fieldwork, and courses taken in NYU departments or other universities. A maximum of 24 points may be transferred from another institution.

Students must enroll in one research seminar (4 points each) each semester during the first three years, for a total of 24 points. No specific courses are required of all students. After the third year, such participation will be strongly encouraged whenever the student is in residence in New York. Students typically enroll in 30 points in each of the first two years and 12 in the third year for the normal distribution of the 72 points. The student’s supervising committee will have the authority to vary this distribution, however. Apart from the research seminars, these points will come from the supervised independent study described above plus graduate courses or seminars. Only graduate-level language classes will be counted toward this point total.

Students are expected to have four appropriate foreign research languages at minimum. It is expected that most students will learn more, however, and additional languages will be specified in the “contract” for individual students. The supervising committee for a student may, where appropriate (for example, in the case of a student working mainly on preliterate societies), permit the substitution of a comparably demanding scholarly technical skill for one of the languages. Satisfaction of the language requirement will be demonstrated by examination or successful completion of a course at an appropriate level.

Students are expected to gain teaching experience of a minimum of two semesters. This experience may be gained in a combination of Core Curriculum courses and departmental courses.
Students must pass comprehensive doctoral examinations, to be taken during the third year of study. These consist of an initial written component, followed by an oral examination. The examinations cover three subject areas to be discussed between the student and his or her committee and specified in the “contract” for the individual student.

Students must write a dissertation and do fieldwork as required by the dissertation. It is expected that most dissertations will require either archaeological fieldwork or research in archives and museums abroad.

The minimum time to degree will be three years, of which a minimum of two years must be spent in residence at ISAW; one year of previous advanced study (with minimum of 18 credit hours and maximum of 24) may be credited toward the minimum time to degree. The total length of the course of study will depend on individual factors like needed fieldwork. The normal length is anticipated to be six years. The M.Phil. degree will be awarded at the completion of all requirements for the doctorate except the dissertation.

FACILITIES

ISAW Library: The ISAW Library is a full-service, non-circulating library of approximately 45,000 volumes related to the history, language, literature, and material culture of the ancient world, from the Western Mediterranean across the Near East and Eurasia to Northern China. The strengths of the ISAW Library collection mirror the research and teaching interests of ISAW’s faculty and students: we have extensive holdings in Greek and Roman material culture and history, Egyptology, Mesopotamian Archaeology and Assyriology, Central Asian and Iranian Studies, and Early China.

COURSES

Special Topics
ISAW-GA 3002 Jones. 4 points. 2017-18, 2018-19

Directed Study of the Ancient World
ISAW-GA 3003 Various Faculty. 1-4 points. 2017-18, 2018-19

Ancient Texts and Documents
ISAW-GA 3007 Hoyland. 4 points. 2017-18, 2018-19

Special Topics: East Asia
ISAW-GA 3010 Tseng, Harkness, Campbell. 4 points. 2017-18, 2018-19

Special Topics
ISAW-GA 3012 d’Alfonso, Bubb, Tseng. 4 points. 2017-18, 2018-19

Special Topics
ISAW-GA 3013 d’Alfonso, Campbell. 4 points. 2017-18, 2018-19

Robert G. Hoyland, Professor of Late Antique and Early Islamic Middle Eastern History. DPhil. 1994 (early Islamic history), Oxford.
History, languages, and literature of the late antique and early Islamic Middle East.

Alexander Jones, Professor of the History of the Exact Sciences in Antiquity. Ph.D. 1985 (history of mathematics), Brown; B.A. (classics), British Columbia.
Ancient mathematical and physical sciences and their transmission.

Assyriology and ancient Near Eastern religions; conceptions of the divine; the formation of monotheism; translatability of cultures; the interaction between people of the ancient Near East; literature; scribal and intellectual culture.

Cultural developments in Iran, Mesopotamia, and the Arabian Peninsula, as well as relations between these regions and their neighbors, mainly during the transition from pre-history to the Bronze Age in Mesopotamia and Iran.

Sören Stark, Associate Professor of Central Asian Art and Archaeology. Ph.D. 2005 (central Asian art and archaeology), M.A. 1999 (near eastern art and archaeology), Halle-Wittenberg.
Political and cultural interrelations between pastoral nomads in Central and Inner Asia and their sedentary neighbors.

Lillian Lan-ying Tseng, Associate Professor of East Asian Art and Archaeology. Ph.D. 2001 (history of art and architecture), Harvard, M.A. 1992 (history of art), B.A. 1988 (history), National Taiwan.
Interface of art history and cultural history, visual and material culture in Han China, reception of antiquity in Qing China.
Special Topics
ISAW-GA 3014  Jaffe. 4 points. 2017-18

Special Topics: Ancient Near East
ISAW-GA 3018  Potts, Pongratz-Leisten. 4 points. 2017-18, 2018-19

Special Topics: Ancient History
ISAW-GA 3020  Cole. 4 points. 2017-18

Introduction to Digital Humanities for the Ancient World
ISAW-GA 3024  Heath, Elliott, Ratzan, Burns. 4 points. 2017-18

FACULTY EMERITI
Roger S. Bagnall, Emeritus Professor of Ancient History.

AFFILIATED FACULTY IN OTHER DEPARTMENTS
Adam Becker, Classics and Religious Studies; Brigitte Bedos-Rezak, History; Pam Crabtree, Anthropology; Raffaella Cribiore, Classics; Daniel E. Fleming, Hebrew and Judaic Studies; Carmela Vircillo Franklin, Classics, Columbia University; Hallie Franks, Gallatin; Jonardon Ganeri, NYU Abu Dhabi; Ogden Goelat Jr., Middle Eastern and Islamic Studies; Ethan Harkness, Gallatin and East Asian Studies; Fiona Kidd, NYU Abu Dhabi; Anne Hrychuk Kontokosta, Art History; Günter Kopcke, Institute of Fine Arts; Barbara Kowalzig, Classics, David Levene, Classics; Clemente Marconi, Institute of Fine Arts; Andrew Monson, Classics; David O’Connor, Institute of Fine Arts; Michael Peachin, Classics; Helmut Reimitz, History, Princeton University; Ann Macy Roth, Hebrew and Judaic Studies; Lawrence Schiffman, Hebrew and Judaic Studies; Armin Selbitschka, NYU Shanghai; Hsueh-Man Shen, Institute of Fine Arts; Mark S. Smith, Biblical Studies, Princeton Theological Seminary; Kostis Smyrlii, History; Stephen F. Teiser, Religion, Princeton University; Thekla K. Thomas, Institute of Fine Arts; Stephen J. Tinney, Near Eastern Languages and Civilizations, University of Pennsylvania; Katherine Welch, Institute of Fine Arts; Rita Wright, Anthropology.
Admission, Registration, and Degree Requirements

The information in the following sections does not constitute the policies and procedures of the Graduate School of Arts and Science, but rather attempts to summarize some of those rules. The official Policies and Procedures Manual of the Graduate School of Arts and Science may be found on its website at gsas.nyu.edu/about-gsas/policies-and-procedures/policies-and-procedures-manual-and-forms and is the sole authority concerning the rules of the Graduate School. These rules are subject to change at the discretion of the Graduate School of Arts and Science.

ADMISSION

Admission to Degree Programs

The Graduate School of Arts and Science (GSAS) offers admission to applicants who hold the bachelor’s degree (or equivalent foreign credentials) and who show promise of superior scholarly achievement.

Each department establishes its standards for admission. Successful applicants have distinguished academic records, strong recommendations from instructors or others qualified to evaluate academic ability, and well-articulated research goals. Graduate School and departmental application requirements, including testing requirements [the Graduate Record Examination and Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS)], are provided in the Programs, Requirements and Deadlines section of the GSAS Application Resource Center at gsas.nyu.edu. Each applicant is considered without regard to race, color, religion, sex, sexual orientation, gender and/or gender identity or expression, marital or parental status, national origin, ethnicity, citizenship status, veteran or military status, age, disability, and any other legally protected basis.

Registration at New York University requires notification of admission by the Graduate School’s Graduate Enrollment Services office. Permission to study in the Graduate School of Arts and Science does not imply admission to degree candidacy. Other sections of this bulletin outline degree candidacy requirements.

For detailed information regarding the admissions process and requirements, applicants should consult the GSAS Application Resource Center on the Web at gsas.nyu.edu.

Entering Student Application Deadlines

Consult the Programs, Requirements and Deadlines section of the GSAS Application Resource Center at gsas.nyu.edu for all application and financial aid deadlines.

Information for International Applicants

The Graduate School expects all students to demonstrate the ability to understand and communicate in English, both orally and in written form. To evaluate proficiency, the school requires applicants whose native language is not English to take the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS). The Graduate School recommends that the applicant achieve a minimum TOEFL score of 100 on the internet-based test, and recommends a minimum overall band score of 7 for IELTS. The Graduate School does not prohibit applicants with lower scores from applying for admission since many factors influence the admission decision. Some departments or programs in the Graduate School may set a higher TOEFL and IELTS standard for admission.

Individuals intending to enter into or remain in the United States on a student or exchange visitor visa must submit appropriate evidence of financial ability. The issuance of certificates for student visas (Form I-20) or exchange visitor visas (Form DS-2019) will be delayed until such evidence is received. If an admitted student’s studies are being financed by means of personal savings, family support, outside private or government scholarships, or any combination of these, he or she must
arrange to send official letters or similar certification as proof of such support, when applying for the Form I-20 or DS-2019, following instructions provided by the Office of Global Services (OGS). Students holding F-1 visas may not work without permission from OGS or the U.S. Citizenship and Immigration Services (USCIS) of the Department of Homeland Security. Employment outside the University may not be used as a means to meet educational and living expenses while studying in the United States.

See also the Office Global Services Web site at nyu.edu/ogs.

Readmission And Deferment
In all departments, an offer of admission to the Graduate School permits a student to enroll for the first time only in the term of entry for which she or he was specifically admitted.

If a student declines an offer of admission or does not register for the expected first term, the Graduate School requires a new application. In some departments, the director of graduate studies (DGS) will grant an extension to the student with the approval of the Graduate School. As additional credentials may be required by the Graduate School in such cases, students should consult with Graduate Enrollment Services.

Students who are not enrolled for two consecutive semesters must apply for readmission. The Office of Academic and Student Affairs must approve all applications for readmission for a student to return to the Graduate School.

Admission for Non-Degree or Visiting Students and Auditors
Occasionally an applicant will demonstrate a particular need to study at the Graduate School without entering a degree program. A few special students are permitted to register in GSAS each year as non-degree students, auditors, or visiting students.

Applicants should contact the department of interest before applying, to confirm that special students are considered for admission. International applicants should consult with an adviser in Graduate Enrollment Services before making the decision to apply to be sure that the planned course of study will be appropriate given immigration status.

Applicants for special student status must complete the application for admission, including academic transcripts that confirm he or she holds a baccalaureate degree. Applicants must meet the same application deadlines as students who seek degrees. Students may enroll for a maximum of 12 points of credit over not more than three consecutive semesters. If an applicant attended an international college or university, the Graduate School will evaluate the credentials for equivalency before granting permission to register. For additional information, refer to the GSAS Non-degree Application Instructions in the Application Resource Center at gsa.nyu.edu/admissions/gsas-application-resource-center.

Non-degree Students
The Graduate School recognizes that students occasionally choose to study without seeking admission to a degree program. If a non-matriculant ultimately enrolls in a degree program, courses taken at the Graduate School may sometimes, but not always, be credited toward the degree.

Auditors
Students may register as auditors in some of the departments of the Graduate School. Auditing requires the permission of the instructor and the director of graduate studies (DGS) of the program. Auditors pay full tuition for courses; no academic credit is awarded, and the work can never be applied toward a degree.

Visiting Students
Visiting students in the Graduate School of Arts and Science must be eligible to register in a master’s or doctoral degree program at their home institution.

In order to register as a visiting student, applicants must secure the approval of the dean of their home institution and of the appropriate department in the Graduate School of Arts and Science. Visiting students are not eligible for any form of financial aid. New York University awards full credit for all satisfactorily completed courses.

Visiting students attending during the summer should refer to the New York University Summer Sessions paragraphs below.

New York University Summer Sessions
The Graduate School of Arts and Science offers a wide variety of courses in its two summer sessions. The first summer session begins in May; the second summer session starts in July. The Faculty of Arts and Science also offers opportunities for summer graduate study abroad, allowing graduate students to explore
international opportunities while studying languages, politics, and cultures. For further information regarding summer sessions and study abroad, visit the Web site at nyu.edu/admissions/summer-sessions/summer-abroad and also in the GSAS Application Resource Center at gsas.nyu.edu/admissions/gsas-application-resource-center/application-and-instructions/gsas-summer-session-2016-application-instructions.

Students admitted to the Graduate School of Arts and Science may, in some cases, elect to enroll in the summer. These students should consult a departmental adviser about registration procedures. Students needing additional information should consult Graduate Enrollment Services at the Graduate School, 212-998-8050.

Visiting students interested in taking courses in the summer sessions should be aware that not all graduate courses are open to visiting students. They should therefore contact the relevant department and ask about specific courses that interest them. (Department contact information is listed for each course on the Web site at nyu.edu/summer.) Once they have determined that they can enroll in a course, visiting students must complete and submit an application form to GSAS Graduate Enrollment Services. They must also submit an official transcript from their home institution. Other application materials may be required, depending upon the department. For additional information, refer to the GSAS Summer Session Application Instructions in the Application Resource Center at gsas.nyu.edu/admissions/gsas-application-resource-center/application-and-instructions/gsas-summer-session-2016-application-instructions.

REGISTRATION

Continuous Registration

GSAS requires continuous enrollment of its students each fall and spring semester until the degree sought is granted. This can be accomplished by (1) registering for at least 1 point (or fraction thereof) each fall and spring until the degree is conferred; (2) taking an approved leave of absence, except in the semester of graduation; or (3) registering for Maintenance of Matriculation (MAINT-GA 4747) during semesters when no course work is being taken until the degree is conferred.

Maintaining Matriculation by Fee

Students who have completed their course work may register for MAINT-GA 4747 and pay the matriculation fee (in 2017-2018, $489 per semester) and the registration and services/academic support fees (in 2017-2018, approximately $1,040.00 for U.S. students and $1,220 for international students) through the semester of their graduation. Payment of the fees entitles students to use the libraries and other research facilities, consult faculty members, and participate in University activities. Waivers of the maintenance of matriculation and registration and services/academic support fees may be available for enrolled doctoral students funded through the MacCracken Program during the term of the award and for four semesters immediately after the award term. A waiver of maintenance of matriculation fees may also be available for students whose graduate program requires a period of absence from the campus for fieldwork or who have a well-documented and extreme financial hardship as a result of events beyond a student’s control. For complete rules governing waivers of maintenance of matriculation, refer to the GSAS Policies and Procedures Manual.

Health Insurance

For students who do not have their own health insurance, participation in a University health insurance plan is mandatory. Students must provide proof of coverage to be exempt from participation in a University health insurance plan. For complete information regarding the deadlines for participation and exemption as well as detailed information about the health plans available, call 212-443-1020 or visit the Web site at nyu.edu/life/safety-health-wellness/student-health-center.

Leave of Absence

A student in good standing who is obliged to withdraw temporarily for national service, serious illness, or compelling personal reasons may request a leave of absence. If granted, the leave maintains the student’s place in the Graduate School and assures continued enrollment at the end of the period of the leave. Students on leave do not have access to University, GSAS, or department facilities. For complete rules governing leaves of absence, refer to the GSAS Policies and Procedures Manual.

DEGREE REQUIREMENTS

Master of Arts and Master of Science

Graduate School Requirements:

1. Completion of at least 32 points of graduate credit (at least 24 in residence at the Graduate School) and a cumulative GPA of B (3.0) or better.
2. Successful completion of (a) a comprehensive examination, (b) a thesis, and/or (c) an appropriate special project.

Programs may have more stringent standards, including a higher grade point average, a foreign language proficiency examination, and additional course work.

Time Limit for the Master’s Degree: All requirements must be completed no later than five years from the date of initial matriculation.

**Master of Fine Arts**

The Master of Fine Arts degree granted to students in the Creative Writing program and the Creative Writing in Spanish program requires the completion of 32 points of graduate credit, a special project, fulfillment of the residency requirement, and a GPA of 3.0 or better. As with the M.A. and M.S. degrees, all requirements for the M.F.A. must be completed within five years from the initial date of matriculation.

**Master of Philosophy**

The Master of Philosophy degree is granted only to students who have been accepted as candidates in a doctoral program and who have fulfilled all requirements for the doctorate except the dissertation and its defense.

**Doctor of Philosophy**

Graduate School Requirements:

1. Completion of at least 70 points of graduate credit (at least 32 in residence at the Graduate School) and a cumulative GPA of B (3.0) or better. Almost all Graduate School programs require 72 points of graduate credit. Please check individual programs for the exact requirement.

2. Successful completion of comprehensive or qualifying examinations or their equivalent.

3. Presentation and defense of a dissertation. The dissertation topic must receive formal departmental approval before being undertaken. The dissertation must demonstrate a sound methodology and evidence of exhaustive study of a special field and make an original contribution to that field. When the dissertation is completed and approved by the adviser and two other readers, an oral defense is scheduled before a committee of at least five members. Of the five committee members, a minimum of three must be full-time members of the Faculty of Arts and Science. A successful defense requires that no more than one member of the committee votes to not approve it.

Time Limit for the Ph.D. Degree: All requirements for the doctoral degree must be completed no later than ten years from the initial date of matriculation or seven years from the time of matriculation if the student enters the Ph.D. program having been given transfer credit for more than 23 points. For rules concerning time to degree, refer to the GSAS Policies and Procedures Manual.

**UNIVERSITY POLICIES**

The following are selected policies of New York University. All University policies and procedures are listed online on the University’s website at nyu.edu. For information about the policies and procedures of the Graduate School of Arts and Science, refer to the GSAS Policies and Procedures Manual, available online at gsas.nyu.edu/about-gsas/policies-and-procedures.

**Immunization Requirements**

New York State Public Health Law (NYS PHL) 2165 requires all students registering for 6 or more credits in a degree-granting program to provide immunization documentation for measles (rubeola), mumps, and rubella (German measles) prior to registration. Students born before January 1, 1957, are exempt. New students should complete the MMR section of the Student Health History form. Continuing students should complete and submit a Student Immunization Record Form (PDF), available at nyu.edu/shc/about.immunization.

New York State Public Health Law (NYS PHL) 2167 requires that all students registered for 6 or more credits submit a Meningitis Response Form as formal confirmation of their decision as to whether or not to be immunized with the meningococcal (meningitis) vaccine. New students should complete the Meningitis Response section of the Student Health History form. Continuing students should complete and submit a Meningitis Response Form (PDF), available at nyu.edu/students/health-and-wellness/student-health-center/next-stop-health-requirements/health-requirements.

Failure to comply with state immunization laws will prevent NYU students from registering for classes. In addition to these requirements, the NYU Student Health Center recommends that students also consider hepatitis B and varicella immunizations. Students
should discuss immunization options with their primary care provider.

**Discipline**

Students are expected to familiarize themselves and comply with the rules of conduct, academic regulations, and established practices of the University and the Graduate School of Arts and Science. If, pursuant to such rules, regulations, or practices, the withdrawal of a student is required before the end of the term for which tuition has been paid, a refund will be made according to the standard schedule for refunds.

**University Policy on Patents**

Students offered research opportunities are reminded that inventions arising from participation in such research are governed by the “University’s Statement of Policy on Patents,” a copy of which may be found in the Faculty Handbook or obtained from the Faculty of Arts and Science (FAS) dean’s office, 5 Washington Square North; 212-998-8000.

**New York University Weapons Policy**

New York University strictly prohibits the possession of all weapons, as described in local, state, and federal statutes, that includes, but is not limited to, firearms, knives, explosives, etc., in and/or around any and all University facilities—academic, residential, or others. This prohibition extends to all buildings—whether owned, leased, or controlled by the University, regardless of whether the bearer or possessor is licensed to carry that weapon. The possession of any weapon has the potential of creating a dangerous situation for the bearer and others.

The only exceptions to this policy are duly authorized law enforcement personnel who are performing official federal, state, or local business and instances in which the bearer of the weapon is licensed by an appropriate licensing authority and has received written permission from the executive vice president of the University.

**New York University Simulated Firearms Policy**

New York University strictly prohibits simulated firearms in and/or around any and all University facilities—academic, residential, or other. This prohibition extends to all buildings—whether owned, leased, or controlled by the University. The possession of a simulated firearm has the potential of creating a dangerous situation for the bearer and others.

The only exceptions to this policy are instances in which (1) the bearer is in possession of written permission from a dean, associate dean, assistant dean, or department head and (2) such possession or use of simulated firearms is directly connected to a University- or school-related event (e.g., play, film production). Whenever an approved simulated firearm is transported from one location to another, it must be placed in a secure container in such a manner that it cannot be observed.

Storage of approved simulated firearms shall be the responsibility of the Department of Public Safety in a location designated by the vice president for public safety. Under no circumstances, other than at a public safety storage area, may approved simulated firearms be stored in any University owned, leased, or controlled facilities.

**Campus Safety**

The Department of Public Safety is located at 7 Washington Place; telephone: 212-998-2222; 212-998-2220 (TTY).

New York University’s annual Campus Security Report includes statistics for the previous three years concerning reported crimes that occurred on campus, in certain off-campus buildings or property owned or controlled by NYU, and on public property within or immediately adjacent to the campus. The report also includes institutional policies concerning campus security, such as policies concerning sexual assault, drugs, and alcohol. You can obtain a copy of the current report by contacting Thomas Grace, Director of Judicial Affairs and Compliance, Office of the Vice President for Student Affairs (601 Kimmel Center: 212-998-4403), or Jay Zwicker, Crime Prevention Manager, Department of Public Safety (7 Washington Place: 212-998-1451), or by visiting the Web site at nyu.edu/public.safety/policies.
The financial aid program of the Graduate School of Arts and Science seeks to ensure that all academically qualified students have enough financial support to enable them to work toward their degree. Awards include support for tuition and modest living expenses in the form of fellowships, research assistantships, and loans. Doctoral students also have teaching opportunities that provide separate compensation. Graduate Enrollment Services at the Graduate School and the NYU Office of Financial Aid offer additional financial options. The staff in each of these offices work closely with students to develop reasonable financial plans for completing a degree.

INSTRUCTIONS FOR FINANCIAL AID APPLICANTS

The application for admission is also the application for all Graduate School fellowships and research assistantships for new students. No additional forms are required.

The application for admission must be received by the specified deadline date to be eligible for Graduate School and departmental fellowships and research assistantships. Refer to the departmental deadline dates in Application Requirements and Deadlines section of the GSAS Application Resource Center at gsas.nyu.edu.

Guidelines for continuing students are available from departmental advisers in advance of the established deadline.

The Graduate School encourages all U.S. citizens and permanent residents to complete the Free Application for Federal Student Aid (FAFSA) to be considered for all forms of federal and state aid, including the Federal Work-Study Program and the various federal and private loan programs. NYU requires that the FAFSA be submitted online by linking to fafsa.gov. The FAFSA should be filed by March 1, for fall enrollment. Students should give permission for application data to be sent to New York University (enter institution code 002785 in the “Title IV Code” space).

GRADUATE SCHOOL FELLOWSHIPS, RESEARCH ASSISTANTSHIPS, PRIZES, AND RESEARCH AWARDS

The Graduate School of Arts and Science offers an extensive program of support. Funding decisions, based solely on merit, are made by the departments with review by the dean. In addition, the school encourages students to apply for assistance through the many external organizations that provide funding for graduate study.

Some of the sources of funding available through the University and the Graduate School are listed below. Further information is available online at gsas.nyu.edu/financial-support/fellowships.

- Henry M. MacCracken Program
- Research Assistantships
- GSAS Tuition Incentive Program (TIP)
- GSAS/CAS Tuition Program
- Foreign Language and Area Studies (FLAS) Fellowships
- Penfield Fellowships for Studies in Diplomacy, International Affairs, and Belles Lettres
- Dean’s Dissertation Fellowships/GSAS Global Dissertation Fellowships
- Horizon Fellowship
- Louis Lerner Memorial Scholarship
- A. Ogden Butler Fellowship
- Douglas and Katharine Fryer Thesis Fellowship Awards
- Lane Cooper Fellowship
- Patricia Dunn Lehrman Fellowship
- James Arthur Dissertation Fellowship
- Robert Holmes Travel/Research Awards for African Scholarship
- Mainzer Summer Fellowship
- Dolores Zohrab Liebmann Fellowship
- New York University German Academic Exchange Scholarship (DAAD)
- New York University-Freie Universität Berlin Grant
- Howard Hughes Medical Institute International Student Research Fellowship
- Fulbright-Hays Doctoral Dissertation Research Abroad
- Fulbright U.S. Student Program
- William and Pearl C. Helbin Scholarship
- Engberg Fellowships
- President’s Service Awards
- New York University/GSAS Opportunity Fellowship Program
- Sauter and Dean’s Predoctoral Summer Fellowships
In addition to the substantial fellowship support available through the University, the Graduate School of Arts and Science, and the range of external organizations committed to academic teaching and research, many departments offer assistance to their students from departmental funds.

**ALTERNATIVE FUNDING SOURCES**

**Funding for Master’s Programs**

Financial aid is available in certain departments and programs. Applicants should submit the admissions application by the program’s specified deadline date. In addition, master’s students are eligible for awards through the Graduate School’s Tuition Incentive Program (TIP). Recent graduates of the College of Arts and Science at NYU may be eligible for a tuition award through the GSAS/CAS Tuition Program. For more specific information regarding eligibility and the availability of fellowships, applicants should contact Graduate Enrollment Services.

**Funding for International Students**

To secure a visa, international students must demonstrate that they have sufficient funding to complete the degree. International students who apply by the specified deadline date and are admitted to the Graduate School are automatically considered for Graduate School fellowships and scholarships as well as for research assistantships. Most loan programs are restricted to U.S. citizens and permanent residents. Many international students obtain support for their educational expenses from their government, a foundation, or a private agency. In many cases, these students are eligible to receive matching tuition funds through the Graduate School’s Tuition Incentive Program. Applicants should contact Graduate Enrollment Services for specific details.

**Residential Life Staff Positions**

The Office of Residential Life and Housing Services annually offers a limited number of professional staff positions to students who wish to work with residential undergraduate and graduate students to promote interpersonal connections, community, and academic enhancements within our residence halls. Students in these positions serve as peers who assess, organize, and implement social and educational activities within and around the residence halls. In addition, as representatives of the Department of Residential Education, RAs and CEAs are sources of information, support, and referral and enforce housing and residential educational policy. You may find detailed information at nyu.edu/life/living-at-nyu/on-campus-living/staff.

**OTHER FINANCIAL AID—FEDERAL, STATE, AND PRIVATE PROGRAMS**

**Eligibility**

To be considered for financial aid, students must be officially admitted to NYU or matriculated in a degree program and making satisfactory academic progress toward degree requirements.

University-administered federal and state awards are not automatically renewed each year. Continuing students must submit the FAFSA each year by the NYU deadline, continue to demonstrate financial need, make satisfactory progress toward degree requirements, and be in good academic standing. Please consult nyu.edu/financial.aid for current information about satisfactory academic progress evaluations and policies.

It is the student’s responsibility to supply true, accurate, and complete information on the FAFSA and to notify the Office of Financial Aid immediately of any changes or corrections in his or her housing status or financial situation, including tuition remission benefits or outside grants, once the application has been made. Determination of financial need is also based on the number of courses for which the student registers. A change in registration therefore may necessitate an adjustment in financial aid.

**Withdrawal**

Students receiving federal student aid who withdraw completely may be billed for remaining balances resulting from the mandatory return of funds to the U.S. government. The amount of federal aid "earned" up to that point is determined by the withdrawal date and a calculation based upon the federally prescribed formula. Generally, federal assistance is earned on a pro-rata basis.

**Veterans Benefits**

Various Department of Veterans Affairs programs provide educational benefits.
for sons, daughters, and spouses of deceased or permanently disabled veterans as well as for veterans and in-service personnel who served on active duty in the U.S. Armed Forces after January 1, 1955. In these programs, the amount of benefits varies.

Since interpretation of regulations governing veterans benefits is subject to change, veterans and their dependents should keep in touch with the Department of Veterans Affairs. For additional information and assistance in completing the necessary forms, contact the Office of the University Registrar at nyu.edu/students/student-information-and-resources/registration-records-and-graduation/veteran-benefits.

**Loan Programs**

For information about Federal Loans and Private (Non-Federal) Alternative Loans please see Types of Financial Aid at nyu.edu/financial.aid.

**Tuition Remission**

Members of the NYU staff, teaching staff, and officers or administrators and their dependents who are eligible for NYU tuition remission are not eligible for other forms of financial aid administered by the University (including merit awards). Eligibility can be reviewed for other types of aid including: Federal Stafford Loans, Federal Unsubsidized Stafford Loans, Federal Parent Loans for Undergraduate Students (PLUS), TAP Grants, Federal Pell Grants, and some private (non-federal) alternative loan programs if the appropriate Free Application for Federal Student Aid is completed. Details about tuition remission eligibility information can be obtained at nyu.edu/employees/benefit.

**Employee Education Plans**

Many companies pay all or part of the tuition of their employees under tuition refund plans. Employed students attending the University should ask their personnel officers or training directors about the existence of a company tuition plan. Students who receive tuition reimbursement and NYU employees who receive tuition remission from NYU must notify the Office of Financial Aid if they receive this benefit.

**Employment**

Students considering employment that would require a significant portion of their time should discuss their plans with a Graduate Enrollment Services counselor. Students on full-funding support must obtain the permission of a departmental representative and the dean of the Graduate School if they wish to secure employment.

Students who study at the Graduate School on temporary visas should fully understand the regulations concerning permissible employment under those visas. Before making plans for employment in the United States, international students should consult with the Office of Global Services; 212-998-4720; e-mail: ogs@nyu.edu.

**FEDERAL WORK-STUDY PROGRAM**

The Federal Work-Study Program supports a range of research and administrative employment opportunities within the University. Eligible students are U.S. citizens or permanent residents who show need for funding. To be eligible, a student must complete a FAFSA and must demonstrate financial need.

Federal Work-Study jobs are secured through the University’s Wasserman Center for Career Development, 133 East 13th Street, 2nd Floor; 212-998-4730.

**TUITION AND FEES**

The Graduate School of Arts and Science charges tuition on a per-point basis. A student must complete 70-72 points for the Ph.D. degree and 32-40 points for the master’s degree, depending on the program. A full-time course load is 12 points per semester, 24 points per year.

The Board of Trustees of New York University reserves the right to alter this schedule of fees without notice. All fees must be paid per term at the time of registration in the Office of the Bursar, located at 383 Lafayette Street. Checks and drafts should be drawn to the order of New York University in the exact amount of tuition and fees required. In the case of overpayment, the balance is refunded upon request by filing a refund application in the Office of the Bursar.

A fee will be charged if payment is not made by the due date indicated on the student’s statement.

The unpaid balance of a student’s account is also subject to an interest charge of 12 percent per annum from the first day of class until payment is received.

Students who receive awards after registration will receive a check from the University after the New York State payment has been received by the Office of the Bursar, and the Office of the University Registrar has confirmed eligibility.
Charges for tuition and fees are announced on the Bursar's webpage at nyu.edu/bursar/tuition.fees/.

For information about the Mandatory Student Health Insurance Plan and the online enrollment/waiver process please visit the Student Health Insurance webpage at nyu.edu/health/insurance.

For information about the Stu-Dent Plan (dental service through NYU’s College of Dentistry) please visit dental.nyu.edu/patientcare/stu-dent-plan.

Dissertation publishing is free for traditional publishing filed electronically (However, costs can increase depending upon publishing option(s) selected via ProQuest)

Copyright of dissertation (optional) 55.00

**Optional Payment Plans**

Payment plans can help manage your educational expenses. Options are described at nyu.edu/bursar/payment.info/plans.

**Arrears Policy**

The University reserves the right to deny registration and withhold all information regarding the record of any student who is in arrears in the payment of tuition, fees, loans, or other charges (including charges for housing, dining, or other activities or services) for as long as any arrears remain.

**Diploma Arrears Policy**

Diplomas of students in arrears will be held until their financial obligations to the University are fulfilled and they have been cleared by the Bursar. Graduates with a diploma hold may contact the Office of the Bursar at 212-998-2806 to clear arrears or to discuss their financial status at the University.

**Withdrawal and Refund of Tuition**

Students receiving federal student aid who withdraw completely may be billed for remaining balances resulting from the mandatory return of funds to the U.S. government. The amount of federal aid “earned” up to that point is determined by the withdrawal date and a calculation based upon the federally prescribed formula. Generally, federal assistance is earned on a pro-rata basis.

For full details, refer to the Office of the Bursar, nyu.edu/bursar/refunds/withdrawal.
Services and Programs

GRADUATE SCHOOL SERVICES AND PROGRAMS

Graduate Enrollment Services
One-half Fifth Avenue
Hours: Monday-Friday, 9 a.m.-5 p.m.
Telephone: 212-998-8050
Fax: 212-995-4557
Email: gsa.admissions@nyu.edu
Website: gsa.nyu.edu/admissions

Applicants for admission who seek advice about programs of study at the Graduate School of Arts and Science or who need assistance with admission requirements for specific departments may obtain information and guidance from Graduate Enrollment Services, One-half Fifth Avenue. The enrollment services office will refer students to individual departmental and program offices for further information if appropriate.

GSAS Master’s College
One-half Fifth Avenue
Hours: Monday-Friday, 9 a.m.-5 p.m.
Telephone: 212-997-7960
E-mail: gsa.masterscollege@nyu.edu
Website: gsa.nyu.edu/page/gradmasterscollege

The GSAS Master’s College provides access to information, advisement, and resources for prospective and current master’s students as they focus on their scholarly, professional, and personal development. It hosts a variety of academic events, including thesis focus competitions, career-planning seminars, and grant-writing workshops. The Master’s College also plans social events to give students a chance to meet colleagues from other departments in a convivial and inclusive atmosphere.

The Master’s College recruits students to participate on the GSAS Master’s College Program Board, a group of current master’s students from diverse backgrounds who create, plan, and host events for their fellow students. Its mission is to enhance the educational experience of GSAS master’s students by providing activities that build a sense of unity across the NYU global community.

Office of Academic and Student Affairs
6 Washington Square North
Hours: Monday-Friday, 9 a.m.-5 p.m.
Telephone: 212-998-8060
Fax: 212-995-4557
E-mail: gsa.studentaffairs@nyu.edu or gsa.academicaffairs@nyu.edu

The Office of Academic and Student Affairs advises students and provides information about University facilities, services, and resources, including counseling, student diversity issues, international student services, academic computing and technology issues, health care and insurance, on- and off-campus housing, educational development for graduate students who teach, and career services. The office coordinates GSAS handling of student grievances and allegations of sexual harassment. It also oversees academic requirements and degree progress, the nomination and review processes for Graduate School awards, grants, and fellowships and makes available information on external funding opportunities, such as those from government agencies, corporations, and private foundations for pre-doctoral and doctoral grants and fellowships. The office is also responsible for the final deposit of doctoral dissertations in electronic format, and the administration of foreign language proficiency examinations. The Graduate School’s orientation program for new students, organized by the Office of Academic and Student Affairs early in the fall semester, introduces new students to the Graduate School and other University facilities.

Graduate School of Arts and Science Alumni Association
Office of Alumni Relations
25 West Fourth Street, 5th Floor
Telephone: 212-998-3805
Web site: gsa.nyu.edu/alumni

The Graduate School of Arts and Science Alumni Association sponsors events during the year to enable graduates to maintain contact with their school and classmates. Students are urged to seek membership in the association upon graduation.
UNIVERSITY SERVICES AND PROGRAMS

Student Activities

Student Resource Center (SRC)
Kimmel Center for University Life
60 Washington Square South, Suite 210
Telephone: 212-998-4411
E-mail: student.resource.center@nyu.edu
Web site: nyu.edu/src

Center for Student Activities, Leadership, and Service
Kimmel Center for University Life
60 Washington Square South, Suite 704
Telephone: 212-998-4700
E-mail: csals@nyu.edu
Web site: osa.nyu.edu

Program Board
Kimmel Center for University Life
60 Washington Square South, Suite 707
Telephone: 212-998-4984
E-mail: program.board@nyu.edu

Ticket Central Box Office
Kimmel Center for University Life
60 Washington Square South, Suite 206
Telephone: 212-998-4949
Web site: nyu.edu/ticketcentral

Alumni Activities

Office for University Development and Alumni Relations
25 West Fourth Street, 4th Floor
Telephone: 212-998-6912
E-mail: alumni.info@nyu.edu
Web site: alumni.nyu.edu

Athletics

Department of Athletics, Intramurals, and Recreation
Telephone: 212-998-2020
Web site: nyu.edu/athletics

Palladium Athletic Facility
140 East 14th Street
Telephone: 212-992-8500

Bookstores

Main Bookstore
726 Broadway
Telephone: 212-998-4678
Web site: bookstores.nyu.edu

Career Services

Wasserman Center for Career Development
133 East 13th Street, 2nd Floor
Telephone: 212-998-4730
Fax: 212-995-3827
Web site: nyu.edu/careerdevelopment

Computer Services And Internet Resources

Information Technology Services (ITS)
10 Astor Place, 4th Floor (Client Services Center)
Telephone Help Line: 212-998-3333
Web site: nyu.edu/its

Counseling Services

Counseling and Behavioral Health Services (CBH)
726 Broadway, Suite 471
Telephone: 212-998-4780
E-mail: university.counseling@nyu.edu
Web site: nyu.edu/counseling

Dining

NYU Campus Dining Services
Telephone: 212-995-3030
E-mail: dining.services@nyu.edu

Disabilities, Services For Students With

Henry and Lucy Moses Center for Students with Disabilities
719 Broadway, 2nd Floor
Telephone: 212-998-4980
(voice and TTY)
Web site: nyu.edu/csd

Health

Wellness Exchange
726 Broadway, Suite 402
Telephone: 212-443-9999
Web: nyu.edu/999

Student Health Center (SHC)
726 Broadway, 3rd and 4th Floors
Telephone: 212-443-1000
Web site: nyu.edu/health

Counseling (see Counseling and Behavioral Health Services, above)

Emergencies and After-Hours Crisis Response
For a life- or limb-threatening emergency, call 911.

For a non-life-threatening emergency, call Urgent Care Services at SHC, 212-443-1111. When the SHC is closed, call the NYU Department of Public Safety, 212-998-2222.

For mental health emergencies, call the Wellness Exchange hotline at 212-443-9999 or the NYU Department of Public Safety at 212-998-2222 to be connected to a crisis response coordinator.
Immunizations  
Telephone: 212-443-1199

Insurance  
Telephone: 212-443-1020  
E-mail: health.insurance@nyu.edu  
Web site: nyu.edu/shc/about/insurance

Pharmacy Services  
Telephone: 212-443-1050  
Web site: nyu.edu/shc/about/pharmacy

**Housing**  
Office of Residential Life and Housing Services  
726 Broadway, 7th Floor  
Telephone: 212-998-4600  
Fax: 212-995-4099  
E-mail: housing@nyu.edu  
Web site: nyu.edu/housing

Off-Campus Housing  
60 Washington Square South, Room 210  
Telephone: 212-998-4620

Summer Housing  
Email: summer.housing@nyu.edu  
Web site: nyu.edu/summer/housing

**International Students and Scholars**  
Office of Global Services (OGS)  
561 La Guardia Place  
Telephone: 212-998-4720  
E-mail: ogs@nyu.edu  
Web site: nyu.edu/ogs

**Lesbian, Gay, Bisexual, and Transgender Students**  
Office of Lesbian, Gay, Bisexual, and Transgender Student Services  
Kimmel Center for University Life  
60 Washington Square South, Suite 602  
Telephone: 212-998-4424  
E-mail: lgbt.office@nyu.edu  
Web site: nyu.edu/lgbt

**Multicultural Education and Programs**  
Center for Multicultural Education and Programs (CMEP)  
Kimmel Center for University Life  
60 Washington Square South, Suite 806  
Telephone: 212-998-4343  
Web site: nyu.edu/cmep

**Religious and Spiritual Resources**  
Catholic Center  
238 Thompson Street  
Telephone: 212-995-3990  
Web site: catholiccenternyu.org

Edgar M. Bronfman Center for Jewish Student Life–Hillel at NYU  
7 East 10th Street  
Telephone: 212-998-4123  
Web site: bronfmancenter.org

Protestant Campus Ministries  
Kimmel Center for University Life  
60 Washington Square South, Room 207  
Telephone: 212-998-4711

Hindu Students Council  
E-mail: hsc.club@nyu.edu

The Islamic Center  
238 Thompson Street, 4th Floor  
Telephone: 212-998-4712  
Web site: icnyu.org

Center for Spiritual Life  
238 Thompson Street, 4th Floor  
Telephone: 212-998-4959  
E-mail: spiritual.life@nyu.edu

For a complete list of student religious and spiritual clubs and organizations at NYU, visit osa.nyu.edu.

**Safety on Campus**  
Department of Public Safety  
7 Washington Place  
Telephone: 212-998-2222; 212-998-2220 (TTY)  
E-mail: public.safety@nyu.edu  
Web site: nyu.edu/public.safety
Community Service

Every year, hundreds of NYU students devote their time and energy to community service. In addition to the satisfaction they receive in helping their neighbors, they also gain valuable work experience. Through NYU’s Community Service Center, students volunteer with dozens of not-for-profit organizations throughout New York City. Some begin their volunteer activities even before classes begin in the fall. They are part of NYU’s OutReach program. Divided into teams, students work with nine different organizations. They help out in soup kitchens, visit elderly people with Alzheimer’s disease, and deliver meals to homebound AIDS patients.

**ACTIVITIES**

Over 250 students are members of the President’s C-Team, donating their time to six preschool and after-school programs in the neighborhood. They help older children with their homework, play with the little ones, and give all the children the extra attention they need.

CHANCE (Concern and Help for the Advancement of Needy Children through Education) is a national nonprofit organization designed to help inner-city high school students by giving them special tutoring and the opportunity to socialize with college students. Two nights a week, high school students come to NYU for an English lesson, an optional SAT preparation class, and dinner donated by a local restaurant. Each teenager is assigned an NYU big brother or sister who also spends time with him or her apart from the weekly tutoring session.

Project SafetyNet is NYU’s AmeriCorps program. Volunteers work with New York City high schools to create “safe harbor” rooms where students trained in conflict resolution help defuse volatile situations and teach ways to solve problems peacefully. As AmeriCorps volunteers, students receive educational grants in exchange for their service.

NYU students are involved in many other activities on and off campus. They collect canned goods, conduct toy drives, and distribute bag lunches to the homeless. They work in dropout prevention programs that encourage high school students to stay in school. They renovate houses and make them livable again. Whether their involvement is with the sick, the poor, or those who simply need a helping hand, student volunteers give of themselves freely. They all agree that they get back much more than they give.
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Committee on Undergraduate Curriculum
Committee on Graduate Curriculum and Financial Aid
Committee on Grievance
Committee on Nominations and Elections
Committee on Undergraduate Academic Standards
Committee on Information, Technology, and Library Services
Committee on Committees and Rules

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Assistant Dean, Students

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GRADUATE PROGRAM COMMITTEE
The Graduate Program Committee (GPC) reviews and recommends to the Provost the approval of proposals from colleges, schools, and portal campuses with respect to new graduate programs granting master’s and doctoral degrees. The Committee evaluates all master’s and doctoral program proposals to ensure that the University’s colleges, schools, and portal campuses with graduate components maintain comparable standards of work for the degrees. It ensures that there has been consultation with the relevant colleges, schools, and/or portal campuses; and that there is minimal curricular overlap between or among the units. The Committee also may formulate recommendations to the Provost on other matters that relate to graduate education in the University. The committee is advisory to the Provost and is co-chaired by the GSAS Dean and the Vice Provost for Faculty, Arts, Humanities, and Diversity.
# Degree and Certificate Programs

as Registered by the New York State Education Department

<table>
<thead>
<tr>
<th>Department or Program</th>
<th>Degrees Offered</th>
<th>HEGIS' Number</th>
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<td>Ancient Near Eastern and Egyptian Studies</td>
<td>M.A., M.Phil., Ph.D.</td>
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<td>Anthropology</td>
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<td>Art History</td>
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<td>Atmosphere Ocean Science</td>
<td>M.Phil., Ph.D.</td>
<td>1799</td>
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<td>Basic Medical Sciences–Sackler Institute</td>
<td>M.S., M.Phil., Ph.D.</td>
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<td>Biology</td>
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<tr>
<td>Biology–Business Administration (with Stern School of Business)</td>
<td>M.S.-M.B.A. (dual degree)²</td>
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<td>Chemistry</td>
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<td>Comparative Literature–Culture and Media (dual degree)</td>
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<td>World History</td>
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2 The M.B.A. portion is registered under individual HEGIS codes depending on the M.B.A. major.

3 Given only as part of a dual degree program with the Ph.D. in Anthropology, the Ph.D. in Comparative Literature, and the M.A. and Ph.D. in Cinema Studies.

4 The M.S. in library science from Long Island University may be earned only as part of the dual degree program along with most stand-alone master's degrees offered by the Graduate School of Arts and Science. The HEGIS code listed is for the M.S. in library science portion of the dual degree program.

5 May be earned as part of a dual degree with any GSAS master's or doctoral degree.
Schools and Colleges of New York University

Graduate School of Arts and Science
New York University
6 Washington Square North
New York, NY 10003-6668
Website: gsas.nyu.edu

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Dean

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Associate Dean for Graduate Enrollment Services and GSAS Administration

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Director of the Master’s College

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Assistant Dean, Students

Li Cao, B.A.
Assistant Director of Academic Affairs

Cristel Jusino Diaz, B.A., M.A., Ph.D.
Assistant Director of Student Affairs

Abby Williams, B.A., M.A.
Assistant Director of Fellowships and Awards

Graduate Enrollment Services
Mailing Address:
Graduate School of Arts and Science
New York University
P.O. Box 907
New York, NY 10276-0907

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Graduate School of Arts and Science
One-half Fifth Avenue
New York, NY 10003
Dean’s Office
212-998-8040
E-mail: gsas.dean@nyu.edu

Graduate Enrollment Services
(including financial aid)
212-998-8050
E-mail: gsas.admissions@nyu.edu

Office of Academic and Student Affairs
212-998-8060
E-mail: gsas.studentaffairs@nyu.edu or gsas.academicaffairs@nyu.edu

Master’s College
212-992-7960
E-mail: gsas.masterscollege@nyu.edu

OTHER NEW YORK UNIVERSITY SCHOOLS

College of Arts and Science
New York University
100 Washington Square East
New York, NY 10003
Web Site: cas.nyu.edu

School of Law
New York University
Vanderbilt Hall
40 Washington Square South
New York, NY 10012-1099
Web site: law.nyu.edu

School of Medicine and Post-Graduate Medical School
New York University
550 First Avenue
New York, NY 10016
Web site: school.med.nyu.edu

College of Dentistry
New York University
345 E. 24th Street
New York, NY 10010
Web site: dental.nyu.edu

Rory Meyers College of Nursing
New York University
433 First Avenue
New York, NY 10010
Web site: nursing.nyu.edu

Steinhardt School of Culture, Education, and Human Development
New York University
Pliss Hall
82 Washington Square East
New York, NY 10003-6680
Web site: steinhardt.nyu.edu

Leonard N. Stern School of Business
New York University
Henry Kaufman Management Center
44 West Fourth Street
New York, NY 10012
Web site: stern.nyu.edu

School of Continuing and Professional Studies
New York University
7 East 12th Street
New York, NY 10003
Web site: sps.nyu.edu

Robert F. Wagner Graduate School of Public Service
New York University
295 Lafayette Street
New York, NY 10002-9604
Web site: wagner.nyu.edu

Silver School of Social Work
New York University
1 Washington Square North
New York, NY 10003-6654
Web site: socialwork.nyu.edu

Tisch School of the Arts
New York University
721 Broadway
New York, NY 10003
Web site: tisch.nyu.edu

Gallatin School of Individualized Study
New York University
715 Broadway, 6th Floor
New York, NY 10003-6806
Web site: gallatin.nyu.edu
Tandon School of Engineering
New York University
6 MetroTech Center
Brooklyn, NY 11201
Web site: engineering.nyu.edu

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