EXPERIENTIAL EDUCATION
Coordinator: Paula Consolini

Experiential education, involving "learning by doing" outside the classroom, is a robust part of the Williams curriculum. In addition to the use of traditional laboratory work in the natural sciences and studio work in art, faculty have been challenging students to become engaged more personally in the Williams curriculum through field work, whether in the form of research, sustained work on special projects, or through placement with community organizations. Courses which include experiential learning provide students with opportunities to encounter firsthand the issues that they read and study about, requiring them to apply academic learning to nonacademic settings and challenging them to use their experiences in those settings to think more critically and deeply about what they are studying. Experiential courses, as defined above, range from fully integrated off-campus programs such as the Williams-Mystic Maritime Studies Program to courses involving a small field research exercise or project. The amount and nature of the experiential component(s) varies according to the instructor’s judgment. More information can be found on the Center for Learning in Action website.

EXPE Experiential Education Courses

AFR 212  (S)  Jazz Theory and Improvisation I
Cross-listings:  MUS 104  AFR 212

Secondary Cross-listing

The theory and application of basic techniques in jazz improvisation and performance styles, including blues forms, swing, bebop, modally based composition, Afro-Cuban, etc. Appropriate for students with skill on their instrument and some basic theoretical knowledge. Knowledge of all key signatures, major/minor keys and modes, intervals, triads and basic seventh chords and their functions within keys. Students should be able to play and demonstrate these concepts on their instruments—competence on an instrument is essential (vocalists and drummers will be encouraged to study the piano). Pianists and guitarists should be able to sight read chords on a jazz lead sheet.

Class Format: alternates between lecture style exposition of theoretical topics and a master class where students will perform and be evaluated on assigned repertoire

Requirements/Evaluation: weekly assignments, (e.g., harmonic analysis and exercises in transposition and transcription), a midterm, a transcription project and the end of semester concert, as well as improvement as measured in weekly class performance

Prerequisites: MUS 103 and/or permission of instructor; musical literacy required as per above description; private study on student's individual instruction strongly encouraged

Enrollment Limit: 15

Enrollment Preferences: prospective Music majors, then Jazz Ensemble members, then Music majors

Expected Class Size: 12

Grading:  no pass/fail option, yes fifth course option

Unit Notes: this course will share aural skills labs with MUS 104a; students considering taking this course should consult the lab times and plan their schedules accordingly

Distributions:  (D2)

This course is cross-listed and the prefixes carry the following divisional credit:
MUS 104 (D1) AFR 212 (D2)

Attributes: EXPE Experiential Education Courses

Spring 2022

LAB Section: B3  MWF 10:00 am - 10:50 am  Daniel E. Prindle
LAB Section: B2  MWF 9:00 am - 9:50 am  Daniel E. Prindle
SEM Section: B1  TR 11:20 am - 12:35 pm  Kris Allen
LAB Section: B4  MWF 11:00 am - 11:50 am  Daniel E. Prindle
AFR 214  (F)  Jazz Theory and Improvisation II
Cross-listings:  MUS 204  AFR 214

Secondary Cross-listing
A continuation of MUS 104b, this course builds upon theoretical knowledge, performance and aural skills developed previously. Students will deal with more complex theoretical and performance issues, including the use of symmetric scales, strategies for chord reharmonization, pentatonic and hexatonic scale shapes, and Coltrane's "Three Tonic" harmonic system.

Class Format: two weekly seminar meetings, alternating between theory and performance sessions
Requirements/Evaluation: weekly compositional, analysis, transcription or performance exercises and final transcription project
Prerequisites: MUS 104b or permission of instructor
Enrollment Limit:  12
Enrollment Preferences:  Music majors and Jazz Ensemble members
Expected Class Size:  5-8
Grading:  yes pass/fail option,  yes fifth course option
Distributions:  (D2)
This course is cross-listed and the prefixes carry the following divisional credit:
MUS 204 (D1)  AFR 214 (D2)
Attributes:  EXPE Experiential Education Courses

Fall 2021
SEM Section: 01    TR 11:20 am - 12:35 pm     Kris  Allen

AMST 113  (F)  The Feminist Poetry Movement  (DPE)  (WS)
Cross-listings:  ENGL 113  AMST 113  WGSS 113

Secondary Cross-listing
Feminist poetry and feminist politics were so integrated in the 1960s and 1970s in America that critical essays on poets, such as Adrienne Rich and Audre Lorde, appeared in the same handbook that listed such resources for women as rape crisis centers and health clinics. This course will map the crucial alliance between feminist politics (and its major cultural and political gains) and the feminist poetry movement that became a major "tool" for building, organizing, and theorizing second-wave feminism. In order to track this political and poetic revolution, we will take an interdisciplinary approach that brings together historical, critical, and literary documents (including archival ones) and visual products (through the Object Lab of the Williams College Art Museum) that recreate the rich context of the period and help us consider the important social nature of aesthetic production. At the center of the course will be writings of major poets of the period, as well as anthologies and feminist periodicals that published their work and created a significant forum and shared space for women to articulate the politics and poetics of change. These periodicals and anthologies will also help us track the diversity of the feminist poetry movement and its intersection with issues of race, class, ethnicity, and sexuality. Ultimately, we will want to consider how poetry serves as an important tool for thinking through questions of power and injustice and what role it plays in creating necessary imaginative space in the world for expression, critique, and change.

Class Format: discussion, some lecture, project work in archives and art gallery
Requirements/Evaluation: three analysis papers (4-5 pages), creative (1-2 pages), discussion posts (5 pages), curated final project (archival exhibit with 7-page paper), presentations
Prerequisites:  none
Enrollment Limit:  19
Enrollment Preferences:  first years
Expected Class Size:  19
Grading:  yes pass/fail option,  yes fifth course option
Distributions:  (D2)  (DPE)  (WS)
This course is cross-listed and the prefixes carry the following divisional credit:
ENGL 113 (D1) AMST 113 (D2) WGSS 113 (D2)

Writing Skills Notes: Writing skills taught through a series of assignments evenly spaced throughout the semester: weekly p/f discussion posts, three four-to-five-page graded papers, one creative assignment, and a final digital research project (10-page equivalent; peer reviewed). Students receive critical feedback on written assignments a week prior to due date through conferences and Google Docs and on final graded assignments within one week with sufficient time between assignments to improve the next assignment.

Difference, Power, and Equity Notes: The course examines the effects of class, race, ethnicity, gender, and sexuality on both poetry and the movement and how women negotiated their differences within the movement, as well as in response to the dominant patriarchal culture. This course employs critical tools (feminist theory, archival research, poetics, close reading, comparative approaches) to help students question and articulate the social injustices that led to the poetry and poetics of the Women's Liberation Movement.

Attributes: AMST Critical and Cultural Theory Electives ENGL Criticism Courses EXPE Experiential Education Courses WGSS Racial Sexual + Cultural Diversity Courses WGSS Theory Courses

Fall 2021
SEM Section: 01    TF 1:10 pm - 2:25 pm     Bethany Hicok

AMST 236  (S) Making Things Visible: Adventures in Documentary Work

Cross-listings: SOC 236  AMST 236  ARTH 237  ENGL 237

Secondary Cross-listing

Photography, like ethnography, is an art of looking carefully and taking notice. This course will explore the overlaps between documentary photography and field methods of social science, concentrating particularly on the genre in which the two intersect: the photo essay. The students will learn methods of visual narrative and storytelling, using techniques of interviewing, still photography, and video. Concurrently, we will explore a number of examples of investigative work that blend word and image. We will ask questions about the changing practices and expectations associated with the documentarian's role, and the evolving media in which such work can be presented. Lastly, we will discuss ethical questions that haunt documentary work, including issues of responsibility and politics of representation, as well as the perennial question of whether "objective representation" is even possible or desirable. Experience in photography and/or video is not required, but students will be expected to master basic technical skills in image acquisition and audio editing taught in a separate lab section. Students should also be prepared to interact extensively with people in the community and spend a significant time off campus doing fieldwork.

Requirements/Evaluation: full participation in discussions, weekly photographic assignments, a research journal, field materials, and an independent final project; in addition to substantial readings, students should be prepared to spend a significant time out of the classroom doing field work

Prerequisites: none
Enrollment Limit: 12
Enrollment Preferences: Anthropology and Sociology majors
Expected Class Size: 12
Grading: no pass/fail option, no fifth course option
Distributions: (D2)

This course is cross-listed and the prefixes carry the following divisional credit:
SOC 236 (D2) AMST 236 (D2) ARTH 237 (D1) ENGL 237 (D2)
Attributes: EXPE Experiential Education Courses FMST Related Courses

Not offered current academic year

AMST 238  (F)(S) Zen and the Art of American Literature

Cross-listings: ENGL 239  REL 228  AMST 238

Secondary Cross-listing

Just one hundred years ago, few Americans knew the first thing about Buddhism. But in 2021, who hasn't heard of (or even tried) mindfulness or meditation? Buddhist ideas and practices now seem ubiquitous, available even in the form of smartphone apps like Headspace and Ten Percent Happier. In this class, we'll explore how Buddhism came to be the profoundly important cultural force in American life that it is today. We'll read some Buddhist American literary texts, like Ruth Ozeki's wondrous novel, A Tale for the Time Being. And we'll range far beyond the world of literature into
other cultural domains in which Buddhism has had a deep impact, like environmentalism, psychotherapy, and Western attitudes towards death and dying. We'll also give special attention to the role that Buddhism is playing in the struggle for racial justice (from bell hooks to Black Lives Matter). And we'll engage in an experiential investigation of the benefits of incorporating contemplative practices like meditation into the classroom: students in the course will learn a variety of meditation techniques, and we'll spend some time each class practicing and reflecting upon those practices. Students will be expected to meditate outside of class as well (2-3 times per week) and keep a meditation journal. No prior experience with meditation is necessary. Just an open mind.

Requirements/Evaluation: Since this is an experiential course, presence is essential and will be strictly required (so after two allowed absences, each subsequent absence will lower a student's final course grade by 1/3 of a letter grade: A- to B+, for example). Other requirements: a weekly meditation journal, various informal in-class and take-home writing assignments, and a final 8- to 10-page essay.

Prerequisites: none

Enrollment Limit: 50

Enrollment Preferences: Students who preregister should fill out an expression of interest form at www.tinyurl.com/Engl239Fall2021 by May 20 (day after pre-reg closes). Preference will go to juniors and seniors, with a few seats saved for sophomores (10 max); no first years.

Expected Class Size: 50

Grading: yes pass/fail option, no fifth course option

Distributions: (D2)

This course is cross-listed and the prefixes carry the following divisional credit:
ENGL 239 (D1) REL 228 (D2) AMST 238 (D2)

Attributes: ENGL Literary Histories C EXPE Experiential Education Courses

Fall 2021
LEC Section: 01 MW 7:00 pm - 8:15 pm Bernard J. Rhie

AMST 241 (S) Performing Masculinity in Global Popular Culture (DPE)

Cross-listings: THEA 241 WGST 240 SOC 240 AMST 241 LATS 241

Secondary Cross-listing

This course examines popular cultural contexts, asking what it means to be a man in contemporary societies. We focus on the manufacture and marketing of masculinity in advertising, fashion, TV/film, theater, popular music, and the shifting contours of masculinity in everyday life, asking: how does political economy change the ideal shape, appearance, and performance of men? How have products - ranging from beer to deodorant to cigarettes -- had their use value articulated in gendered ways? Why must masculinity be the purview of "males" at all; how can we change discourses to better include performances of female masculinities, butch-identified women, and trans* men? We will pay particular attention to racialized, queer, and subaltern masculinities. Some of our case studies include: the short half-life of the boy band in the US and in Asia (e.g., J/K-Pop), hip hop masculinities, and the curious blend of chastity and homoeroticism that constitutes masculinity in the contemporary vampire genre. Through these and other examples, we learn to recognize masculinity as a performance shaped by the political economy of a given culture.

Requirements/Evaluation: masculinity journal, mid-term essay exam, visual rhetorical analyses of pop culture images

Prerequisites: none

Enrollment Limit: 14

Enrollment Preferences: a short statement of interest will be solicited

Expected Class Size: 14

Grading: yes pass/fail option, yes fifth course option

Distributions: (D2) (DPE)

This course is cross-listed and the prefixes carry the following divisional credit:
THEA 241 (D2) WGSS 240 (D2) SOC 240 (D2) AMST 241 (D2) LATS 241 (D2)

Difference, Power, and Equity Notes: This course examines the construction of masculinity as it relates to intersecting identities such as race, sexuality, class, and global political economic considerations. Key to understanding masculinity are questions about the diversity of experiences of masculinity, cultural variations of gender norms, privilege, agency, patriarchy, heteronormativity, and interlocking systems of oppression.

Attributes: EXPE Experiential Education Courses FMST Related Courses LATS Comparative Race + Ethnic Studies Electives
AMST 259 (S) New England Environmental History (WS)

Cross-listings: AMST 259 HIST 259 ENVI 259

Secondary Cross-listing
Have you ever wondered why there are few old-growth forests in New England? What Williamstown looked like before Williams was founded? How ideas about environmental preservation have changed over time? These are some of the questions we will explore in this course, which introduces students to the discipline of Environmental History through New England examples. During the semester we will: (1) read and discuss scholarship on the environmental history of New England and the world; (2) use case studies and field trips to examine how past environments are represented in museum exhibits, digital projects, and physical landscapes; (3) Develop a research paper based on original archival research.

Requirements/Evaluation: several short essays, final project

Prerequisites: ENVI 101 or permission of the instructor

Enrollment Limit: 19

Enrollment Preferences: Environmental Studies concentrators

Expected Class Size: 15

Grading: no pass/fail option, yes fifth course option

Distributions: (D2) (WS)

This course is cross-listed and the prefixes carry the following divisional credit:

AMST 259 (D2) HIST 259 (D2) ENVI 259 (D2)

Writing Skills Notes: Six response papers for which the instructor will provide consistent feedback on writing skills as well as content. Sequenced writing workshops that lead toward a final research paper.

Attributes: ENVI Humanities, Arts + Social Science Electives EVST Culture/Humanities EXPE Experiential Education Courses HIST Group F Electives - U.S. + Canada

AMST 302 (F) Environmental Planning Workshop: Community-Based Experience

Cross-listings: AMST 302 ENVI 302

Secondary Cross-listing
In this interdisciplinary, experiential workshop students effect environmental change through hands-on community projects. Environmental Planning includes a range of disciplines pertaining to the natural and built landscape such as city planning, environmental management, affordable housing, food system planning, climate resiliency planning, habitat restoration, alternative transportation, renewable energy, farmland, open space and recreation, municipal services (recycling, composting, parks, playgrounds, schools etc), ecological site design, green buildings, landscape architecture, neighborhood design, economic development, and community development, to list a few. Each year, the projects focus on the most pressing issues in the region and in the planning field. The class is organized into two parts. Part 1 involves reading and discussion of the planning literature: history, theory, policy, ethics, legal framework, and case studies. Labs include site visits, GIS mapping, hands-on planning exercises and project development. Part 2 involves project work: in small teams, you will work with a community organization or local government on a current project. The includes primary research, conducting interviews with policymakers, stakeholders and residents, site visits, attending meetings, and other activities as demanded by the particular project. The project work draws on students' academic training and extracurricular activities, and applies creative solutions to thorny problems. Labs will be small group work and project work. The course includes several class presentations; students will gain skills in interacting with public officials, interviewing, preparing presentations, public speaking, report-writing, and teamwork. The class culminates in a public presentation.

Requirements/Evaluation: Response papers (about four 1-page papers), planning exercises, class discussion, reports submitted in segments (total about 30 pp), collaborative small group work, class presentations frequently during semester, final public presentation.

Prerequisites: ENVI 101; open to seniors; in certain circumstances open to juniors with permission.

Enrollment Limit: 16

Enrollment Preferences: Environmental Studies majors and concentrators

Expected Class Size: 16
Grading: no pass/fail option, no fifth course option

Unit Notes: Required course for Environmental Studies major and concentration

Distributions: (D2)

This course is cross-listed and the prefixes carry the following divisional credit:
AMST 302 (D2) ENVI 302 (D2)

Attributes: AMST Space and Place Electives ENVI Core Courses EVST Core Courses EXPE Experiential Education Courses

Fall 2021
LAB Section: 03 R 1:00 pm - 4:00 pm Sarah Gardner
SEM Section: 01 TR 11:20 am - 12:35 pm Sarah Gardner
LAB Section: 02 T 1:00 pm - 4:00 pm Sarah Gardner

AMST 331 (S) New Orleans as Muse: Literature, Music, Art, Film and Theatre in the City

Cross-listings: AMST 331 THEA 330 COMP 330

Secondary Cross-listing
This course will look at the representation of a city and how it has influenced artists. Students will read, listen to, and view a selection of the literature, music, film and art that represent the city from both pre-flooding and current re-building. Reading selections will include examples such as Harper's Weekly (Lafncadio Hearn), The Awakening (Kate Chopin), A Streetcar Named Desire (Tennessee Williams), The Moviegoer (Walker Percy), Why New Orleans Matters (Tom Piazza), A Confederacy of Dunces (John Kennedy O'Toole), New Orleans Sketches (William Faulkner), One Dead in the Attic (Chris Rose). Film examples such as A Streetcar Named Desire, An Interview with a Vampire, The Curious Case of Benjamin Button, When the Levees Broke, Treme, Waiting for Godot (in the 9th Ward). Music selections from examples such as Louis Moreau Gottschalk, Jelly Roll Morton, Louis Armstrong, Fats Domino, The Meters, Kermit Ruffins and the Rebirth Brass Band. Art selections will come from a variety of sources such as THE OGDEN Museum of Southern Art and Prospect 1, 2, & 3.

Requirements/Evaluation: will be on active participation, weekly response essays on film viewings, 2 short essays on class topics, a final paper and a contemporary creative project/performance

Prerequisites: none

Enrollment Limit: 12

Expected Class Size: 10

Grading: yes pass/fail option, yes fifth course option

Distributions: (D1)

This course is cross-listed and the prefixes carry the following divisional credit:
AMST 331 (D1) THEA 330 (D1) COMP 330 (D1)

Attributes: AMST Arts in Context Electives AMST Space and Place Electives EXPE Experiential Education Courses FMST Related Courses

Not offered current academic year

ANSO 205 (S) Ways of Knowing

An applied exploration of how one makes sense of the social world through fieldwork. Some of the key questions of the course are: What are the philosophical and epistemological underpinnings of social inquiry? How does one frame intellectual problems and go about collecting, siting, and assessing field materials? How do qualitative and quantitative approaches to social inquiry differ? How are they similar? What is the importance of history to sociological and anthropological research? How do social researchers use archival and other documentary materials to interpret society? What is the relationship between empirical data and the generation of social theory? What are the typical ethical dilemmas of fieldwork and of other kinds of social research? How do researchers' personal biographies and values shape their work? We will approach these problems both abstractly and concretely, through readings in epistemology as well as a series of case studies, drawing upon the field experiences of departmental faculty and guest speakers from both inside and outside the academy. The course will also feature hands-on training in field methods, in which students design and undertake their own pilot field projects.

Requirements/Evaluation: full-participation in the seminar, an independent ethnographic project, several short written assignments, and a final research essay/proposal (roughly 30 pages of writing in total).
Prerequisites: ANTH 101 or SOC 101 or permission of instructor
Enrollment Limit: 16
Enrollment Preferences: Anthropology and Sociology majors
Expected Class Size: 16
Grading: no pass/fail option, yes fifth course option
Distributions: (D2)
Attributes: EVST Methods Courses EXPE Experiential Education Courses

Spring 2022
SEM Section: 01  W 1:10 pm - 3:50 pm  Olga Shevchenko

ANSO 402  (S)  Senior Seminar
This capstone seminar combines intensive discussion and individual research. Half of the course will be dedicated to the discussion of current debates central to the concerns of both anthropology and sociology, such as the ethics of conducting fieldwork, humanitarianism and relief, global public health, poverty and the city, and environmental conservation. Among the topics discussed, the ethical dilemmas of conducting ethnography will be a common theme. The second half of the course will be devoted to independent individual original projects which should have a major ethnographic component. At the end of the course, students will present their projects to the seminar.
Requirements/Evaluation: full participation, major research project and paper (30 pages), class presentation; weekly short responses
Prerequisites: only senior majors in Anthropology and Sociology, or permission of instructor
Enrollment Limit: none
Enrollment Preferences: Anthropology and Sociology majors
Expected Class Size: 12
Grading: no pass/fail option, no fifth course option
Distributions: (D2)
Attributes: EXPE Experiential Education Courses

Spring 2022
SEM Section: 01  TF 2:35 pm - 3:50 pm  Antonia E. Foias

ANTH 371  (F)  Medicine and Campus Health in Disruptive Times  (DPE)  (WS)
Cross-listings: STS 370  WGSS 371  ANTH 371
Primary Cross-listing
This class applies the methods and theories of critical medical anthropology and medical sociology to help students design and pursue innovative ethnographic projects that explore campus or community health. How do disruptive moments like COVID-19 serve as focal moments in social history that reveal underlying social inequalities of access, health outcomes, and well-being? Students learn and use an array of ethnographic techniques such as observant participation, interviewing, focus groups, and qualitative surveys building on weekly discussions, feedback, and design exercises to explore our campus and/or wider community. We situate our campus health projects by considering the wider context of power and intersectionality that inflect and structure health and well-being within our community, nation, & world. Our case ethnographies explore how structural racism shapes medical education and healthcare care in the US, how concepts of sexual citizenship can reshape debates on sexual assault on campus, how the spread of US psychiatry inflects the landscape of global mental health across Asia, and how queer activism responds to the HIV/AIDS crisis. We consider the roles of narrative, active listening, and empathy in both medicine and ethnography, while practicing skills that can benefit student researchers and interlocutors, providers as well as patients. Our goal is understand the strengths and limits of qualitative and participatory research within communities always already structured by power, privilege, and engaged practices.
Requirements/Evaluation: Three written fieldnotes, weekly attendance, writing and discussion exercises, & final oral presentations & data visualizations for fieldwork projects.
Prerequisites: A course in Anthropology, Sociology, Science & Technology Studies, or across DIV II is strongly recommended
Enrollment Limit: 20
Enrollment Preferences: Majors in Anthropology, Sociology, Women's, Gender and Sexuality Studies; Concentrators in Public Health, Science and Technology Studies

Expected Class Size: 20

Grading: yes pass/fail option, no fifth course option

Distributions: (D2) (DPE) (WS)

This course is cross-listed and the prefixes carry the following divisional credit:

STS 370 (D2) WGSS 371 (D2) ANTH 371 (D2)

Writing Skills Notes: This class assignments includes over 9,000 words of essay assignments, and will help students develop critical writing skills, including use of rhetoric, evidence, argument, synthesizing data, logic, and anticipating counter-arguments.

Difference, Power, and Equity Notes: This class examines the intersectionality of race, class, gender, & sexuality in impacting healthcare and health outcomes. It theorizes and explores the ways that intersectionality and implicit bias shapes health and well-being in the community, patient/provider encounters, and efforts to 'improve' community and individual health in the US, Asia, and across the globe.

Attributes: EXPE Experiential Education Courses PHLH Methods in Public Health

Writing Skills Notes: This class assignments includes over 9,000 words of essay assignments, and will help students develop critical writing skills, including use of rhetoric, evidence, argument, synthesizing data, logic, and anticipating counter-arguments.

Difference, Power, and Equity Notes: This class examines the intersectionality of race, class, gender, & sexuality in impacting healthcare and health outcomes. It theorizes and explores the ways that intersectionality and implicit bias shapes health and well-being in the community, patient/provider encounters, and efforts to 'improve' community and individual health in the US, Asia, and across the globe.

Attributes: EXPE Experiential Education Courses PHLH Methods in Public Health

Fall 2021

SEM Section: 01 W 1:10 pm - 3:50 pm Kim Gutschow

SEM Section: 02 Cancelled

ARTH 237 (S) Making Things Visible: Adventures in Documentary Work

Cross-listings: SOC 236 AMST 236 ARTH 237 ENGL 237

Secondary Cross-listing

Photography, like ethnography, is an art of looking carefully and taking notice. This course will explore the overlaps between documentary photography and field methods of social science, concentrating particularly on the genre in which the two intersect: the photo essay. The students will learn methods of visual narrative and storytelling, using techniques of interviewing, still photography, and video. Concurrently, we will explore a number of examples of investigative work that blend word and image. We will ask questions about the changing practices and expectations associated with the documentarian's role, and the evolving media in which such work can be presented. Lastly, we will discuss ethical questions that haunt documentary work, including issues of responsibility and politics of representation, as well as the perennial question of whether “objective representation” is even possible or desirable. Experience in photography and/or video is not required, but students will be expected to master basic technical skills in image acquisition and audio editing taught in a separate lab section. Students should also be prepared to interact extensively with people in the community and spend a significant time off campus doing fieldwork.

Requirements/Evaluation: full participation in discussions, weekly photographic assignments, a research journal, field materials, and an independent final project; in addition to substantial readings, students should be prepared to spend a significant time out of the classroom doing field work

Prerequisites: none

Enrollment Limit: 12

Enrollment Preferences: Anthropology and Sociology majors

Expected Class Size: 12

Grading: no pass/fail option, no fifth course option

Distributions: (D2)

This course is cross-listed and the prefixes carry the following divisional credit:

SOC 236 (D2) AMST 236 (D2) ARTH 237 (D1) ENGL 237 (D2)

Attributes: EXPE Experiential Education Courses FMST Related Courses

Not offered current academic year

ARTH 508 (S) Art and Conservation: An Inquiry into History, Methods, and Materials

This course is designed to acquaint students with observation and examination techniques for works of art, artifacts, and decorative arts objects; give them an understanding of the history of artist materials and methods; and familiarize them with the ethics and procedures of conservation. This is not a conservation training course but is structured to provide a broader awareness for those who are planning careers involving work with cultural objects.
Sessions will be held at the Williamstown Art Conservation Center, Williams College, the Clark Art Institute, and the Governor Nelson A. Rockefeller Empire State Plaza Art Collection in Albany. Examination questions may be formulated from exhibitions at these locations. Six exams will be given. Exam scores will be weighed in proportion to the number of sessions covered by the exam (e.g., the paintings exam, derived from six sessions of the course, will count as 25% of the final grade).

Class Format: slide presentations, lectures, gallery talks, hands-on opportunities, technical examinations, and group discussions

Requirements/Evaluation: attendance is required at all sessions; the course grade is based on exams given throughout the semester; there is no final exam

Prerequisites: none

Enrollment Limit: 14

Enrollment Preferences: Graduate Program students, then students in art history or studio art

Expected Class Size: 14

Grading: yes pass/fail option, yes fifth course option

Distributions: (D1)

Attributes: EXPE Experiential Education Courses

Spring 2022

SEM Section: 01 MR 6:30 pm - 8:30 pm Thomas J. Branchick

ARTS 385 (S) The Sculptural Costume and It’s Performance Potential

Cross-listings: THEA 385 ARTS 385

Primary Cross-listing

A team-taught studio art / theatre course designed to explore the rich territory of the wearable sculpture and its generative role in art and performance. From ritual costumes, to Carnival, to Dada performance, to Bauhaus dance, to Helio Oiticica's Parangole, and Nick Cave's sound-suits, there has been a rich tradition where sculpture and costumes merge. Students will study artists who have bridged distinctions between the theatrical costume and the sculptural object as well as produce hybrid objects that explore the range of possibilities within this collaborative practice. The students will produce object-costumes involving a wide variety of media, from recycled materials to new technologies, while striving to develop their individual artistic voices.

Requirements/Evaluation: the quality of work produced, the depth and quality of the content and process, participation in critiques, and attendance

Prerequisites: successful completion of any 200-level course in art studio or performing arts, or permission of the instructor

Enrollment Limit: 14

Enrollment Preferences: Art and Theater majors

Expected Class Size: 12

Grading: no pass/fail option, no fifth course option

Materials/Lab Fee: $125

Distributions: (D1)

This course is cross-listed and the prefixes carry the following divisional credit:

THEA 385 (D1) ARTS 385 (D1)

Attributes: EXPE Experiential Education Courses

Not offered current academic year

BIOL 211 (S) Paleobiology

Cross-listings: GEOS 212 BIOL 211

Secondary Cross-listing

The fossil record is a direct window into the history of life on Earth and contains a wealth of information on evolution, biodiversity, and climate change. This course investigates the record of ancient life forms, from single-celled algae to snails to dinosaurs. We will explore how, why, when, and where fossils form and learn about the major groups of fossilized organisms and how they have changed through time. In addition, we will cover a range of
topics central to modern paleobiology. These include: how the fossil record informs our understanding of evolutionary processes including speciation; the causes and consequences of mass extinctions; how fossils help us tell time and reconstruct the Earth's climactic and tectonic history; statistical analysis of the fossil record to reconstruct biodiversity through time; analysis of fossil morphology to recreate the biomechanics of extinct organisms; and using fossil communities to reconstruct past ecosystems. Laboratory exercises will take advantage of Williams’ fossil collections as well as published datasets to provide a broad understanding of fossils and the methods we use to study the history of life on Earth, including using the programming language R (no previous experience is required). We will also view a diversity of fossils in their geologic and paleo-environmental context on our field trip to Eastern New York. This course is in the Sediments and Life group for the Geosciences major.

**Class Format:** One day field trip to the Paleozoic of New York State

**Requirements/Evaluation:** Weekly lab assignments, frequent short quizzes and writing assignments, and a final project with a written and oral presentation component.

**Prerequisites:** any 100-level GEOS course or BIOL 102, 203 or 205

**Enrollment Limit:** 24

**Enrollment Preferences:** sophomore and junior GEOS majors

**Expected Class Size:** 20

**Grading:** no pass/fail option, yes fifth course option

**Unit Notes:** does not satisfy the distribution requirement for the Biology major

**Distributions:** (D3)

**This course is cross-listed and the prefixes carry the following divisional credit:**

GEOS 212 (D3) BIOL 211 (D3)

**Attributes:** EXPE Experiential Education Courses GEOS Group B Electives - Sediments + Life MAST Interdepartmental Electives

Spring 2022

**LEC Section:** 01  TR 9:55 am - 11:10 am Phoebe A. Cohen

**LAB Section:** 03  W 1:00 pm - 4:00 pm Phoebe A. Cohen

**LAB Section:** 02  T 1:00 pm - 4:00 pm Phoebe A. Cohen

**BIOL 220 (S) Field Botany and Plant Natural History**

**Cross-listings:** ENVI 220 BIOL 220

**Primary Cross-listing**

This field-lecture course covers the evolutionary and ecological relationships among plant groups represented in our local and regional flora. Lectures focus on the evolution of the land plants, the most recent and revolutionary developments in plant systematics and phylogeny, characteristics of plant families, the cultural and economic uses of plants and how plants have shaped our world. The labs cover field identification, natural history and the ecology of local species.

**Class Format:** both field and indoor laboratories

**Requirements/Evaluation:** based on two hour exams, field quizzes, a final project, and a final exam

**Prerequisites:** none

**Enrollment Limit:** 30

**Enrollment Preferences:** Biology majors, and Environmental Studies majors & concentrators

**Expected Class Size:** 24

**Grading:** no pass/fail option, yes fifth course option

**Unit Notes:** satisfies the distribution requirement for the Biology major

**Materials/Lab Fee:** there is a charge for the lab manual; the sketchbook and hand lens can be self-provided or purchased from the department

**Distributions:** (D3)

**This course is cross-listed and the prefixes carry the following divisional credit:**

ENVI 220 (D3) BIOL 220 (D3)

**Attributes:** ENVI Natural World Electives EVST Living Systems Courses EXPE Experiential Education Courses PHLH Nutrition, Food
BIOL 231  (F)(S)  Marine Ecology

Cross-listings:  MAST 311  BIOL 231

Secondary Cross-listing

We have explored only a fraction of the ocean, with about 10% of marine species classified and 20% of the ocean mapped. Many discoveries remain to be made, and marine ecology is one technique to uncover new insights. The field of marine ecology, rooted in the theory of evolution, describes the mechanisms and processes that drive the diversity, abundance, and distribution of marine organisms. The goal is to document natural patterns and make predictions about how species will respond to environmental changes by investigating the relationship between the abiotic environment and biotic interactions. This course will take a deep dive into the unique challenges to life in the ocean. You will compare and contrast different marine ecosystems, such as coral reefs, kelp forests, and the deep sea. You will also practice a marine ecologist's skillset as you design, carry out, and analyze your own research project, which will improve your scientific writing, data analysis, and communication skills. Importantly, you will connect your research and course topics to larger marine conservation issues and broader societal impacts.

Class Format: including coastal and near-shore field trips, 10 days offshore, and a laboratory or field research project

Requirements/Evaluation:  two tests, a research project, and a presentation

Prerequisites:  BIOL 101 or GEOS/MAST 104, or permission of instructor

Enrollment Limit:  16

Enrollment Preferences:  none

Expected Class Size:  12

Grading:  yes pass/fail option, yes fifth course option

Unit Notes:  This course is only offered through the Williams-Mystic Maritime Studies Program located in Mystic, CT. satisfies the distribution requirement for the Biology major.

Distributions:  (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

MAST 311  (D3) BIOL 231  (D3)

Attributes:  ENVI Natural World Electives  EVST Living Systems Courses  EXPE Experiential Education Courses

BIOL 302  (F)  Communities and Ecosystems  (QFR)

Cross-listings:  BIOL 302  ENVI 312

Primary Cross-listing

An advanced ecology course that examines how species interact with each other and their environment and how communities are assembled. This course emphasizes phenomena that emerge in complex ecological systems, building on the fundamental concepts of population biology, community ecology, and ecosystem science. This foundation will be used to understand specific topics relevant to conservation including invasibility and the functional significance of diversity for ecosystem stability and processes. Lectures and labs will explore how to characterize the emergent properties of
communities and ecosystems, and how theoretical, comparative, and experimental approaches are used to understand their structure and function. The lab component of this course will emphasize hypothesis-oriented field experiments as well as "big-data" analyses using existing data sets. The laboratory component of the course will culminate with a self-designed independent or group project.

**Class Format:** six hours per week

**Requirements/Evaluation:** lab reports, a midterm exam, a term project presentation, and a final project paper

**Prerequisites:** BIOL/ENVI 203 or 220

**Enrollment Limit:** 28

**Enrollment Preferences:** Biology majors and Environmental Studies majors and concentrators

**Expected Class Size:** 24

**Grading:** yes pass/fail option, yes fifth course option

**Unit Notes:** satisfies the distribution requirement for the Biology major

**Distributions:** (D3) (QFR)

**This course is cross-listed and the prefixes carry the following divisional credit:**

BIOL 302 (D3) ENVI 312 (D3)

**Attributes:** ENVI Natural World Electives  EVST Living Systems Courses  EXPE Experiential Education Courses

Not offered current academic year

**CHIN 252 (F) Bridging Theory and Practice: Learning and Teaching Chinese as a Second Language**

This course introduces students to the principles of second language acquisition (SLA), a field of study that investigates how people learn a foreign language and provides a basis for understanding research related to foreign language learning and teaching. Theoretical issues to be covered include what it means to know a language, how one becomes proficient in a foreign language, factors that affect the learning process, and the role of one's native language. We will also examine what SLA research has discovered about teaching grammar, pronunciation, vocabulary, and writing. The goal is to explore ways in which SLA theories can be applied to facilitate acquisition of Chinese in terms of learning strategies and curriculum design. This course will be useful to both students who want to improve their own learning of Chinese and those who plan to teach or conduct research on Chinese.

*All readings in English with some examples in Chinese.*

**Class Format:** discussion

**Requirements/Evaluation:** class participation, several oral presentations and short papers, and a final research project

**Prerequisites:** CHIN 101 or permission of instructor

**Enrollment Limit:** 19

**Expected Class Size:** 12

**Grading:** yes pass/fail option, yes fifth course option

**Distributions:** (D1)

**Attributes:** EXPE Experiential Education Courses  Linguistics

Not offered current academic year

**COMP 330 (S) New Orleans as Muse: Literature, Music, Art, Film and Theatre in the City**

**Cross-listings:** AMST 331  THEA 330  COMP 330

**Secondary Cross-listing**

This course will look at the representation of a city and how it has influenced artists. Students will read, listen to, and view a selection of the literature, music, film and art that represent the city from both pre-flooding and current re-building. Reading selections will include examples such as *Harper's Weekly* (Lafrcadio Hearn), *The Awakening* (Kate Chopin), *A Streetcar Named Desire* (Tennessee Williams), *The Moviegoer* (Walker Percy), *Why New Orleans Matters* (Tom Piazza), *A Confederacy of Dunces* (John Kennedy O'Toole), *New Orleans Sketches* (William Faulkner), *One Dead in the Attic* (Chris Rose). Film examples such as *A Streetcar Named Desire*, *An Interview with a Vampire*, *The Curious Case of Benjamin Button*, *When the Levees Broke*, *Treme*, *Waiting for Godot* (in the 9th Ward). Music selections from examples such as Louis Moreau Gottschalk, Jelly Roll Morton, Louis Armstrong, Fats Domino, The Meters, Kermit Ruffins and the Rebirth Brass Band. Art selections will come from a variety of sources such as THE OGDEN Museum of Southern Art and Prospect 1, 2, & 3.

**Requirements/Evaluation:** will be on active participation, weekly response essays on film viewings, 2 short essays on class topics, a final paper and
COMP 338 (F) The Culture of Carnival

Cross-listings: COMP 338 THEA 335

Secondary Cross-listing

Carnival is a regenerative festival as well as a transgressive one. It is a time for upheavals and recreating for one day, a new world order. Men dress as women, women dress as men, the poor become kings; drink and sex and outrageous behavior is sanctioned. We will look at festivals in such places as New Orleans, Venice, and Rio. Central to this course are the cultural and religious lives of these societies, and how these festivals exist politically in a modern world as theatre and adult play. A variety of sources will be used, such as newspaper accounts, films, photography, personal memoirs and essays on the subject.

Requirements/Evaluation: regular active class participation, one oral presentation including a 5-page essay, one 15-page research final paper and participation in a group project/public parade

Prerequisites: none

ENGL 113 (F) The Feminist Poetry Movement (DPE) (WS)

Cross-listings: ENGL 113 AMST 113 WGSS 113

Primary Cross-listing

Feminist poetry and feminist politics were so integrated in the 1960s and 1970s in America that critical essays on poets, such as Adrienne Rich and Audre Lorde, appeared in the same handbook that listed such resources for women as rape crisis centers and health clinics. This course will map the crucial alliance between feminist politics (and its major cultural and political gains) and the feminist poetry movement that became a major "tool" for building, organizing, and theorizing second-wave feminism. In order to track this political and poetic revolution, we will take an interdisciplinary approach that brings together historical, critical, and literary documents (including archival ones) and visual products (through the Object Lab of the Williams College Art Museum) that recreate the rich context of the period and help us consider the important social nature of aesthetic production. At the center of the course will be writings of major poets of the period, as well as anthologies and feminist periodicals that published their work and created a significant forum and shared space for women to articulate the politics and poetics of change. These periodicals and anthologies will also help us track the diversity of the feminist poetry movement and its intersection with issues of race, class, ethnicity, and sexuality. Ultimately, we will want to consider how poetry serves as an important tool for thinking through questions of power and injustice and what role it plays in creating necessary imaginative space in the world for expression, critique, and change.

Class Format: discussion, some lecture, project work in archives and art gallery
Requirements/Evaluation: three analysis papers (4-5 pages), creative (1-2 pages), discussion posts (5 pages), curated final project (archival exhibit with 7-page paper), presentations

Prerequisites: none

Enrollment Limit: 19

Enrollment Preferences: first years

Expected Class Size: 19

Grading: yes pass/fail option, yes fifth course option

Distributions: (D1) (DPE) (WS)

This course is cross-listed and the prefixes carry the following divisional credit:
ENGL 113 (D1) AMST 113 (D2) WGSS 113 (D2)

Writing Skills Notes: Writing skills taught through a series of assignments evenly spaced throughout the semester: weekly p/f discussion posts, three four-to-five-page graded papers, one creative assignment, and a final digital research project (10-page equivalent; peer reviewed). Students receive critical feedback on written assignments a week prior to due date through conferences and Google Docs and on final graded assignments within one week with sufficient time between assignments to improve the next assignment.

Difference, Power, and Equity Notes: The course examines the effects of class, race, ethnicity, gender, and sexuality on both poetry and the movement and how women negotiated their differences within the movement, as well as in response to the dominant patriarchal culture. This course employs critical tools (feminist theory, archival research, poetics, close reading, comparative approaches) to help students question and articulate the social injustices that led to the poetry and poetics of the Women's Liberation Movement.

Attributes: AMST Critical and Cultural Theory Electives ENGL Criticism Courses EXPE Experiential Education Courses WGSS Racial Sexual + Cultural Diversity Courses WGSS Theory Courses

Fall 2021
SEM Section: 01 TF 1:10 pm - 2:25 pm Bethany Hicok

ENGL 237 (S) Making Things Visible: Adventures in Documentary Work

Cross-listings: SOC 236 AMST 236 ARTH 237 ENGL 237

Secondary Cross-listing

Photography, like ethnography, is an art of looking carefully and taking notice. This course will explore the overlaps between documentary photography and field methods of social science, concentrating particularly on the genre in which the two intersect: the photo essay. The students will learn methods of visual narrative and storytelling, using techniques of interviewing, still photography, and video. Concurrently, we will explore a number of examples of investigative work that blend word and image. We will ask questions about the changing practices and expectations associated with the documentarian's role, and the evolving media in which such work can be presented. Lastly, we will discuss ethical questions that haunt documentary work, including issues of responsibility and politics of representation, as well as the perennial question of whether "objective representation" is even possible or desirable. Experience in photography and/or video is not required, but students will be expected to master basic technical skills in image acquisition and audio editing taught in a separate lab section. Students should also be prepared to interact extensively with people in the community and spend a significant time off campus doing fieldwork.

Requirements/Evaluation: full participation in discussions, weekly photographic assignments, a research journal, field materials, and an independent final project; in addition to substantial readings, students should be prepared to spend a significant time out of the classroom doing field work

Prerequisites: none

Enrollment Limit: 12

Enrollment Preferences: Anthropology and Sociology majors

Expected Class Size: 12

Grading: no pass/fail option, no fifth course option

Distributions: (D2)

This course is cross-listed and the prefixes carry the following divisional credit:
SOC 236 (D2) AMST 236 (D2) ARTH 237 (D1) ENGL 237 (D2)

Attributes: EXPE Experiential Education Courses FMST Related Courses
ENGL 239  (F)(S)  Zen and the Art of American Literature

Cross-listings:  ENGL 239 REL 228 AMST 238

Primary Cross-listing

Just one hundred years ago, few Americans knew the first thing about Buddhism. But in 2021, who hasn't heard of (or even tried) mindfulness or meditation? Buddhist ideas and practices now seem ubiquitous, available even in the form of smartphone apps like Headspace and Ten Percent Happier. In this class, we'll explore how Buddhism came to be the profoundly important cultural force in American life that it is today. We'll read some Buddhist American literary texts, like Ruth Ozeki's wondrous novel, *A Tale for the Time Being*. And we'll range far beyond the world of literature into other cultural domains in which Buddhism has had a deep impact, like environmentalism, psychotherapy, and Western attitudes towards death and dying. We'll also give special attention to the role that Buddhism is playing in the struggle for racial justice (from bell hooks to Black Lives Matter). And we'll engage in an experiential investigation of the benefits of incorporating contemplative practices like meditation into the classroom: students in the course will learn a variety of meditation techniques, and we'll spend some time each class practicing and reflecting upon those practices. Students will be expected to meditate outside of class as well (2-3 times per week) and keep a meditation journal. No prior experience with meditation is necessary. Just an open mind.

Requirements/Evaluation:  Since this is an experiential course, presence is essential and will be strictly required (so after two allowed absences, each subsequent absence will lower a student’s final course grade by 1/3 of a letter grade: A- to B+, for example). Other requirements: a weekly meditation journal, various informal in-class and take-home writing assignments, and a final 8- to 10-page essay.

Prerequisites:  none

Enrollment Limit:  50

Enrollment Preferences:  Students who preregister should fill out an expression of interest form at www.tinyurl.com/Engl239Fall2021 by May 20 (day after pre-reg closes). Preference will go to juniors and seniors, with a few seats saved for sophomores (10 max); no first years.

Expected Class Size:  50

Grading:  yes pass/fail option,  no fifth course option

Distributions:  (D1)

This course is cross-listed and the prefixes carry the following divisional credit:

ENGL 239  (D1) REL 228  (D2) AMST 238 (D2)

Attributes:  ENGL Literary Histories  C  EXPE Experiential Education Courses

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ENVI 100  (S)  Introduction to Weather and Climate

Cross-listings:  GEOS 100  ENVI 100

Secondary Cross-listing

How is it that we have such a hard time predicting if it's going to rain next week, but we can be confident in projections of future climate change decades from now? This course will explore the atmosphere and how air moves and changes, understanding the wind, clouds, precipitation, and extreme events (including thunderstorms, hurricanes, and tornados) that form our weather. Building off of our understanding of the atmosphere, we'll look at longer time scales to develop a basic understanding of earth's climate, global heat and moisture transport, climate change, and the ways that humans can change our planet. We will look at weather and climate models to learn how to scientists and meteorologists predict future conditions. Labs will include local field trips, bench top experiments, and running a climate model on a computer. This course is in the Oceans and Climate group for the Geosciences major.

Requirements/Evaluation:  lab assignments, a midterm, and a final exam

Prerequisites:  none

Enrollment Limit:  40
Enrollment Preferences: first year and second year students, Geosciences majors
Expected Class Size: 40
Grading: no pass/fail option, no fifth course option
Distributions: (D3)
This course is cross-listed and the prefixes carry the following divisional credit:
GEOS 100 (D3) ENVI 100 (D3)
Attributes: ENVI Natural World Electives EXPE Experiential Education Courses GEOS Group A Electives - Climate + Oceans
Not offered current academic year

ENVI 102  (S)  Introduction to Environmental Science

Environmental Science is an interdisciplinary field that develops scientific and technical means for assessing and mitigating human impacts on the environment. This course provides an overview of the discipline in the context of the interconnected global earth system: the geosphere, atmosphere, hydrosphere, and biosphere. Students are introduced to scientific methods from physics, chemistry, geology, and biology that are used to examine real-world case studies at global and local scales. Topics may include: climate change, air and water pollution, resource extraction and management, land use change, and their effects on environmental quality, biodiversity, and human health. During weekly fieldwork and laboratory sessions, students gain hands-on experience in collecting, analyzing, and interpreting data that can be used to make recommendations for addressing local environmental issues.

Class Format: Two 75-minute lecture/discussion sessions and one 3-hour field/laboratory session each week.
Requirements/Evaluation: Weekly short quizzes, three exams, lab assignments, participation
Prerequisites: none
Enrollment Limit: 48
Enrollment Preferences: first- and second-year students, Environmental Studies majors and concentrators
Expected Class Size: 48
Grading: no pass/fail option, no fifth course option
Unit Notes: Required course for Environmental Studies major and concentration
Distributions: (D3)
Attributes: ENVI Core Courses EVST Core Courses EXPE Experiential Education Courses

Spring 2022
LAB Section: 04  M 1:00 pm - 4:00 pm  Sonya K. Auer
LEC Section: 01  TR 9:55 am - 11:10 am  Sonya K. Auer, Alex A. Apotsos
LAB Section: 02  T 1:00 pm - 4:00 pm  Alex A. Apotsos
LAB Section: 03  W 1:00 pm - 4:00 pm  Sonya K. Auer

ENVI 103  (F)  Global Warming and Environmental Change

Cross-listings: GEOS 103 ENVI 103
Secondary Cross-listing

Earth is the warmest it has been for at least five centuries, and the surface of our planet is responding. From extreme floods and drought to landslides and soil erosion, the natural processes that shape Earth’s surface are tied to temperature and precipitation. As those change, the landscape reacts. People are beginning to feel the impacts, but in different ways depending on where they call home. In this course, we will investigate how climate change is altering landscapes and the natural processes that support them, highlighting all the ways that people are being affected today. Ultimately, we will develop an understanding of the consequences of climate change that connects physical processes with the geography of place. Specific topics include foundations of the Earth system, plate tectonics and the construction of landscapes, Earth materials, rivers and flooding, hillslope processes, coastal processes, and climate impacts on natural resources such as fresh water and soil. Labs will use local field sites and analytical exercises to evaluate recent cases that reflect an interaction of the landscape and climate. This course is in the Sediments and Life group for the Geosciences major.
**ENVI 104 (F) Oceanography**

**Cross-listings:** MAST 104 GEOS 104 ENVI 104

**Secondary Cross-listing**

In this wide-ranging and integrated introduction to the oceans we will examine formation and history of the ocean basins; composition and origin of seawater; currents, tides, and waves; ocean-atmosphere interactions; oceans and climate; deep-marine environments; coastal processes; productivity in the oceans; marine resources; and human impacts. We will discuss current research, and address issues of colonialism and racism in oceanographic science. This course is in the Oceans and Climates group for the Geosciences major.

**Class Format:** 3 50-minute lecture/discussion meetings each week; 2-hour lab every second week. 3 mini-symposia (during scheduled class time). All-day field trip to the Atlantic coast of New England.

**Requirements/Evaluation:** 6 graded lab exercises, mini-symposium participation, a 4-page term paper, and final exam.

**Prerequisites:** none

**Enrollment Limit:** 60

**Enrollment Preferences:** first year and second year students, Geosciences majors, Maritime Studies concentrators

**Expected Class Size:** 60

**Grading:** yes pass/fail option, no fifth course option

**Distributions:** (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

MAST 104 (D3) GEOS 104 (D3) ENVI 104 (D3)

**Attributes:** ENVI Natural World Electives EXPE Experiential Education Courses GEOS Group A Electives - Climate + Oceans

Fall 2021

LEC Section: 01 MWF 9:00 am - 9:50 am Rónadh Cox

LAB Section: 02 M 1:00 pm - 3:00 pm Rónadh Cox

LAB Section: 03 W 1:00 pm - 3:00 pm Rónadh Cox

**ENVI 105 (F) The Co-Evolution of Earth and Life**

**Cross-listings:** GEOS 101 ENVI 105

**Secondary Cross-listing**

Our planet is about 4.6 billion years old and has supported life for at least the last 3.5 billion of those years. This course will consider the inter-related nature of Earth and the life that inhabits it, starting with the first living organisms and progressing to the interaction of our own species with the Earth today. Students will investigate the dynamic nature of the Earth-life system, examine many of its feedbacks, and learn about the dramatic changes that have occurred throughout the history of the Earth. We will ask questions such as: How did the Earth facilitate biologic evolution, and what effects did those biologic events have on the physical Earth? When did photosynthesis evolve, how can we detect that in the rock record, and how did this biological event lead to profound changes in the environment? How and why did animals evolve and what role did environmental change play in the
radiation of animal life? How did the rise and radiation of land plants affect world climate? How do plate tectonics, glaciation, and volcanism influence biodiversity and evolutionary innovation? What caused mass extinctions in the past and what can that teach us about our current extinction crisis? Labs will involve hands-on analysis of rocks, fossils, and real-world data as well as conceptual and analytical exercises; field trips will contextualize major events in Earth history and will help students learn to read the rock record. Through these investigations, the class will provide a comprehensive overview of Earth history, with special attention paid to the geological and paleontological history of the northeastern United States. This course is in the Sediments and Life group for the Geosciences major.

Class Format: one laboratory per week plus one all-day field trip

Requirements/Evaluation: lab work, short quizzes, midterms, an independent project, and a final exam

Prerequisites: none

Enrollment Limit: 30

Enrollment Preferences: first year and second year students, Geosciences majors

Expected Class Size: 30

Grading: yes pass/fail option, no fifth course option

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

GEOS 101 (D3)  ENVI 105 (D3)

Attributes: ENVI Natural World Electives  EXPE Experiential Education Courses  GEOS Group B Electives - Sediments + Life

Not offered current academic year

ENVI 205  (F)  Geomorphology

Cross-listings: GEOS 301  ENVI 205

Secondary Cross-listing

Geomorphology is the study of landforms, the processes that shape them, and the rates at which these processes change the landscape in which we live. The course is designed for Geosciences majors and for environmental studies students interested in the evolution of Earth's surface and the ways our activities are changing the planet. We will examine the ways in which climatic, tectonic, and volcanic forces drive landscape evolution over relatively short periods of geologic time, generally thousands to a few millions of years. More recently, the impacts of human activity in reshaping landscapes, determining the movement of water, and changing climate could not be clearer. We will also examine how these impacts are affecting communities, including causes and possible solutions to environmental injustice. We will learn a range of practical skills for describing physical environments and for predicting how they change, including field surveys, GIS analysis, and numerical modelling. This course is in the Sediments and Life group for the Geosciences major.

Class Format: lecture, three hours per week and laboratory, three hours per week

Requirements/Evaluation: weekly lab exercises, a research project, and a midterm and final exam

Prerequisites: At least one 100-level and one 200-level GEOS or ENVI course or permission of instructor

Enrollment Limit: 18

Enrollment Preferences: GEOS and ENVI majors

Expected Class Size: 18

Grading: yes pass/fail option, yes fifth course option

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

GEOS 301 (D3)  ENVI 205 (D3)

Attributes: AMST Space and Place Electives  ENVI Natural World Electives  EVST Environmental Science  EXPE Experiential Education Courses  GEOS Group B Electives - Sediments + Life

Fall 2021

LAB Section: 02  R 1:00 pm - 4:00 pm  José A. Constantine

LEC Section: 01  TR 9:55 am - 11:10 am  José A. Constantine
ENVI 214  (S)  Mastering GIS

Cross-listings: GEOS 214  ENVI 214

Secondary Cross-listing

The development of Geographic Information Systems (GIS) has allowed us to investigate incredibly large and spatially complex data sets like never before. From assessing the effects of climate change on alpine glaciers, to identifying ideal habitat ranges for critically endangered species, to determining the vulnerability of coastal communities to storms, GIS tools have opened the door for important, large-scale environmental analyses. And as these technologies improve, our ability to understand the world grows ever greater. This course will teach you how to use GIS tools to investigate environmental problems. We will review fundamental principles in geography, the construction and visualization of geospatial datasets, and tools for analyzing geospatial data. Special attention will also be given to analysis of remotely sensed (satellite) imagery and to collection of field data. By the end of the course, you will be able to conduct independent GIS-based research and produce maps and other geospatial imagery of professional quality.

Class Format: lecture, three hours per week and laboratory, three hours per week

Requirements/Evaluation: weekly lab exercises, weekly quizzes, and a research project

Prerequisites: at least one course in Geosciences or Environmental Studies

Enrollment Limit: 18

Enrollment Preferences: Geosciences majors and Environmental Studies majors and concentrators.

Expected Class Size: 18

Grading: yes pass/fail option, no fifth course option

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

GEOS 214 (D3) ENVI 214 (D3)

 Attributes: ENVI Natural World Electives  EVST Methods Courses  EXPE Experiential Education Courses

Spring 2022

LAB Section: 02  M 1:00 pm - 4:00 pm  José A. Constantine
LEC Section: 01  MW 11:00 am - 12:15 pm  José A. Constantine
LAB Section: 03  W 1:00 pm - 4:00 pm  José A. Constantine

ENVI 215  (F)  Climate Changes

Cross-listings: GEOS 215  ENVI 215

Secondary Cross-listing

In recent years, there has been a growing public and scientific interest in the Earth's climate and its variability. This interest reflects both concern over future climate changes resulting from anthropogenic increases in atmospheric greenhouse gases and growing recognition of the economic impact of "natural" climate variability (for example, El Niño events), especially in the developing world. Efforts to understand the Earth's climate system and predict future climate changes require both study of parameters controlling present day climate and detailed studies of climate changes in the past. In this course, we will review the processes that control the Earth's climate, like solar radiation, the greenhouse effect, ocean circulation, configuration of continents, and positive and negative feedbacks. At the same time, we will review the geological record of climate changes in the past, examining their causes. Laboratories and problem sets will emphasize developing problem solving skills as well as sampling and interpreting geological archives of climate change. This course is in the Oceans and Climate group for the Geosciences major.

Class Format: This class has three scheduled lectures per week, and one lab meeting per week which will consist of lab exercises, problem solving and discussion

Requirements/Evaluation: lab exercises and problem sets (25%), three exams (50%), and a final project (25%) where students will collect, analyze, and interpret data

Prerequisites: 100-level course in GEOS, CHEM, or PHYS or ENVI 102 or permission of instructor

Enrollment Limit: 16

Enrollment Preferences: Geosciences and Environmental Studies majors
ENVI 220 (S) Field Botany and Plant Natural History

Cross-listings: ENVI 220 BIOL 220

Secondary Cross-listing
This field-lecture course covers the evolutionary and ecological relationships among plant groups represented in our local and regional flora. Lectures focus on the evolution of the land plants, the most recent and revolutionary developments in plant systematics and phylogeny, characteristics of plant families, the cultural and economic uses of plants and how plants have shaped our world. The labs cover field identification, natural history and the ecology of local species.

Class Format: both field and indoor laboratories

Requirements/Evaluation: based on two hour exams, field quizzes, a final project, and a final exam

Prerequisites: none

Enrollment Limit: 30

Expected Class Size: 24

Grading: no pass/fail option, yes fifth course option

Unit Notes: satisfies the distribution requirement for the Biology major

Materials/Lab Fee: there is a charge for the lab manual; the sketchbook and hand lens can be self-provided or purchased from the department

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:
ENVI 220 (D3) BIOL 220 (D3)

Attributes: ENVI Natural World Electives EVST Living Systems Courses EXPE Experiential Education Courses PHLH Nutrition, Food Security + Environmental Health

Spring 2022
LAB Section: 03 W 1:00 pm - 4:00 pm Joan Edwards
LAB Section: 02 T 1:00 pm - 4:00 pm Joan Edwards
LEC Section: 01 MWF 10:00 am - 10:50 am Joan Edwards

ENVI 222 (F) Examining Inconvenient Truths: Climate Science meets U.S. Senate Politics (WS)

Cross-listings: GEOS 221 ENVI 222 LEAD 221

Secondary Cross-listing

Former President Barack Obama once said: "There's one issue that will define the contours of this century more dramatically than any other, and that is the urgent threat of a changing climate." While consensus regarding the causes and impacts of climate change has been growing steadily among scientists and researchers (and to some extent, the general public) over the past two decades, the U.S. has yet to confront this issue in a manner consistent with its urgency. This lack of action in the U.S. is at least partly due to the fact that science provides necessary but insufficient information towards crafting effective climate change legislation and the unfortunate fact that climate change has become a highly partisan issue. The primary objective of this tutorial will be to help students develop a greater understanding of the difficulties associated with crafting climate change legislation, with an emphasis on the role of science and politics within the legislative process. To this end, the tutorial will address how the underlying scientific
complexities embedded in most climate policies (e.g., offsets, carbon capture and sequestration, uncertainty and complexity of the climate system, leakage) must be balanced by and blended with the different operational value systems (e.g., economic, social, cultural, religious) that underlie U.S. politics. Over the course of this tutorial, students will develop a nuanced sense of how and when science can support the development of comprehensive national climate change legislation within the current partisan climate. This course will take a practical approach, where students will craft weekly policy oriented documents (e.g., policy memos, action memos, research briefs) targeted to selected members of the current U.S. Senate Environment and Public Works Committee, the committee that has historically held jurisdiction over a majority of the major climate change bills that have moved through the legislative process. This course is in the Oceans and Climate group for the Geosciences major.

Requirements/Evaluation: weekly papers (2 - 5 pages in length) and a final oral presentation
Prerequisites: none
Enrollment Limit: 10
Enrollment Preferences: sophomores, Geosciences and Environmental Studies juniors and seniors
Expected Class Size: 10
Grading: no pass/fail option, no fifth course option
Distributions: (D3) (WS)
This course is cross-listed and the prefixes carry the following divisional credit:
GEOS 221 (D3) ENVI 222 (D3) LEAD 221 (D3)

Writing Skills Notes: You will learn to write in a variety of policy-focused formats
Attributes: ENVI Environmental Policy EXPE Experiential Education Courses GEOS Group A Electives - Climate + Oceans

ENVI 229  (S)  Environmental History
Cross-listings: ENVI 229 HIST 264

Primary Cross-listing
This course is an introduction to Environmental History: the study of how people have shaped environments, how environments have shaped human histories, and how cultural change and material change are intertwined. As such, it challenges traditional divides between the humanities and the sciences. Taking U.S. environmental history as our focus, we will strive to understand the historical roots of contemporary environmental problems, such as species extinction, pollution, and climate change. We will take field trips to learn to read landscapes for their histories and to examine how past environments are represented in museum exhibits, digital projects, and physical landscapes. And we will develop original arguments and essays based on archival research. It is imperative that we understand this history if we are to make informed and ethical environmental decisions at the local, national, and global scale.

Class Format: with field trips
Requirements/Evaluation: several short essays; final research project
Prerequisites: ENVI 101 or permission of instructor
Enrollment Limit: 18
Enrollment Preferences: Environmental Studies majors and concentrators; History majors
Expected Class Size: 15
Grading: yes pass/fail option, no fifth course option
Distributions: (D2)
This course is cross-listed and the prefixes carry the following divisional credit:
ENVI 229 (D2) HIST 264 (D2)
Attributes: ENVI Humanities, Arts + Social Science Electives EVST Culture/Humanities EXPE Experiential Education Courses HIST Group F Electives - U.S. + Canada

ENVI 250  (F)  Environmental Justice  (DPE)
Cross-listings: STS 250  ENVI 250

Not offered current academic year
Primary Cross-listing

How are local and global environmental problems distributed unevenly according to race, gender, and class? What are the historical, social and economic structures that create unequal exposures to environmental risks and benefits? And how does inequity shape the construction and distribution of environmental knowledge? These are some of the questions we will take up in this course, which will be reading and discussion intensive. Through readings, discussions, and case studies, we will explore EJ in both senses. Potential topics include: toxics exposure, food justice, urban planning, e-waste, unnatural hazards, nuclearism in the U.S. West, natural resources and war, and climate refugees. Occasionally, community leaders, organizers, academics, and government officials will join the class to discuss current issues.

Requirements/Evaluation: several short essays, final essay
Prerequisites: ENVI 101 or permission of the instructor
Enrollment Limit: 12
Enrollment Preferences: juniors, seniors
Expected Class Size: 10
Grading: no pass/fail option, no fifth course option
Distributions: (D2) (DPE)
This course is cross-listed and the prefixes carry the following divisional credit:
STS 250 (D2) ENVI 250 (D2)
Difference, Power, and Equity Notes: This course will explore how unequal power leads to environmental injustice. Specifically, we will analyze how local and global environmental problems are distributed unevenly according to race, gender, and class. This is a service-based learning course, and students will hone skills to address environmental injustices.
Attributes: ENVI Humanities, Arts + Social Science Electives EVST Culture/Humanities EXPE Experiential Education Courses GBST Economic Development Studies Electives JLST Interdepartmental Electives

Fall 2021
SEM Section: 01 W 1:10 pm - 3:50 pm Laura J. Martin

ENVI 255 (F) Environmental Observation
Cross-listings: ENVI 255 GEOS 255
Secondary Cross-listing

To study the environment, we need to observe and measure it. We collect data--numbers that represent system states--and analyze them to create understanding of the world we live in. Advances in technology create more opportunities to discover how the planet works. Through a survey of observational approaches (including weather stations, direct sampling, remote sensing, community-based monitoring, and other techniques), this course will investigate the process of turning a physical property in the environment into a number on a computer and then into meaningful information. We will explore both direct field measurements and remote sensing techniques, diving into how to choose the appropriate sensor for a scientific question, how sensors work, analysis approaches and statistical methods, and how to interpret the resulting data. We will also learn how to mitigate measurement bias through a combination of lab experiments and field work and how to make interpretations of measurements that accurately reflect what is being measured. The course will focus on the near-surface environment, including the atmosphere, water, and biosphere. Students will carry out a research project using observation techniques covered in class to explore a scientific question of interest. This course is in the Oceans and Climate group for the Geosciences major.

Requirements/Evaluation: Weekly labs, four quizzes, and a final project
Prerequisites: at least one prior course in GEOS or ENVI
Enrollment Limit: 20
Enrollment Preferences: sophomores, then GEOS majors
Expected Class Size: 10
Grading: no pass/fail option, no fifth course option
Distributions: (D3)
This course is cross-listed and the prefixes carry the following divisional credit:
ENVI 255 (D3) GEOS 255 (D3)
ENVI 259 (S) New England Environmental History (WS)

Cross-listings: AMST 259  HIST 259  ENVI 259

Primary Cross-listing

Have you ever wondered why there are few old-growth forests in New England? What Williamstown looked like before Williams was founded? How ideas about environmental preservation have changed over time? These are some of the questions we will explore in this course, which introduces students to the discipline of Environmental History through New England examples. During the semester we will: (1) read and discuss scholarship on the environmental history of New England and the world; (2) use case studies and field trips to examine how past environments are represented in museum exhibits, digital projects, and physical landscapes; (3) Develop a research paper based on original archival research

Requirements/Evaluation: several short essays, final project

Prerequisites: ENVI 101 or permission of the instructor

Enrollment Limit: 19

Enrollment Preferences: Environmental Studies concentrators

Expected Class Size: 15

Grading: no pass/fail option, yes fifth course option

Distributions: (D2) (WS)

This course is cross-listed and the prefixes carry the following divisional credit:

AMST 259 (D2) HIST 259 (D2) ENVI 259 (D2)

Writing Skills Notes: Six response papers for which the instructor will provide consistent feedback on writing skills as well as content. Sequenced writing workshops that lead toward a final research paper.

Attributes: ENVI Humanities, Arts + Social Science Electives EVST Culture/Humanities EXPE Experiential Education Courses HIST Group F Electives - U.S. + Canada

Not offered current academic year

ENVI 302 (F) Environmental Planning Workshop: Community-Based Experience

Cross-listings: AMST 302  ENVI 302

Primary Cross-listing

In this interdisciplinary, experiential workshop students effect environmental change through hands-on community projects. Environmental Planning includes a range of disciplines pertaining to the natural and built landscape such as city planning, environmental management, affordable housing, food system planning, climate resiliency planning, habitat restoration, alternative transportation, renewable energy, farmland, open space and recreation, municipal services (recycling, composting, parks, playgrounds, schools etc), ecological site design, green buildings, landscape architecture, neighborhood design, economic development, and community development, to list a few. Each year, the projects focus on the most pressing issues in the region and in the planning field. The class is organized into two parts. Part 1 involves reading and discussion of the planning literature: history, theory, policy, ethics, legal framework, and case studies. Labs include site visits, GIS mapping, hands-on planning exercises and project development. Part 2 involves project work: in small teams, you will work with a community organization or local government on a current project. The includes primary research, conducting interviews with policymakers, stakeholders and residents, site visits, attending meetings, and other activities as demanded by the particular project. The project work draws on students' academic training and extracurricular activities, and applies creative solutions to thorny problems. Labs will be small group work and project work. The course includes several class presentations; students will gain skills in interacting with public officials, interviewing, preparing presentations, public speaking, report-writing, and teamwork. The class culminates in a public presentation.

Requirements/Evaluation: Response papers (about four 1-page papers), planning exercises, class discussion, reports submitted in segments (total
about 30 pp), collaborative small group work, class presentations frequently during semester, final public presentation.

**Prerequisites:** ENVI 101; open to seniors; in certain circumstances open to juniors with permission.

**Enrollment Limit:** 16

**Enrollment Preferences:** Environmental Studies majors and concentrators

**Expected Class Size:** 16

**Grading:** no pass/fail option, no fifth course option

**Unit Notes:** Required course for Environmental Studies major and concentration

**Distributions:** (D2)

**This course is cross-listed and the prefixes carry the following divisional credit:**

AMST 302 (D2) ENVI 302 (D2)

**Attributes:** AMST Space and Place Electives ENVI Core Courses EVST Core Courses EXPE Experiential Education Courses

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**Fall 2021**

**LAB Section:** 03  R 1:00 pm - 4:00 pm  Sarah Gardner

**LAB Section:** 02  T 1:00 pm - 4:00 pm  Sarah Gardner

**SEM Section:** 01  TR 11:20 am - 12:35 pm  Sarah Gardner

**ENVI 312 (F) Communities and Ecosystems (QFR)**

**Cross-listings:** BIOL 302 ENVI 312

**Secondary Cross-listing**

An advanced ecology course that examines how species interact with each other and their environment and how communities are assembled. This course emphasizes phenomena that emerge in complex ecological systems, building on the fundamental concepts of population biology, community ecology, and ecosystem science. This foundation will be used to understand specific topics relevant to conservation including invasibility and the functional significance of diversity for ecosystem stability and processes. Lectures and labs will explore how to characterize the emergent properties of communities and ecosystems, and how theoretical, comparative, and experimental approaches are used to understand their structure and function. The laboratory component of the course will emphasize hypothesis-oriented field experiments as well as "big-data" analyses using existing data sets. The laboratory component of the course will culminate with a self-designed independent or group project.

**Class Format:** six hours per week

**Requirements/Evaluation:** lab reports, a midterm exam, a term project presentation, and a final project paper

**Prerequisites:** BIOL/ENVI 203 or 220

**Enrollment Limit:** 28

**Enrollment Preferences:** Biology majors and Environmental Studies majors and concentrators

**Expected Class Size:** 24

**Grading:** yes pass/fail option, yes fifth course option

**Unit Notes:** satisfies the distribution requirement for the Biology major

**Distributions:** (D3) (QFR)

**This course is cross-listed and the prefixes carry the following divisional credit:**

BIOL 302 (D3) ENVI 312 (D3)

**Attributes:** ENVI Natural World Electives EVST Living Systems Courses EXPE Experiential Education Courses

**Not offered current academic year**

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**ENVI 324 (S) Corals and Sea Level**

**Cross-listings:** GEOS 324 MAST 324 ENVI 324

**Secondary Cross-listing**

In coastal communities, increasing flood damage from storm surges and chronic inundation by seawater are already happening as a result of sea level
rise. How do we know what contributes to the observed change in sea level in the last century? What does the geological record teach us about what controls the natural variation in sea level on short and long timescales? How can we use this information to separate anthropogenic effects from natural change in modern systems? And how does this inform us on what to expect through the 21st century and beyond? In this course, we will examine how sea level is reconstructed using geological archives and how coral-based sea level data led to breakthroughs in our understanding of the long-term evolution of the ocean and climate, the controls in the timing of ice age cycles, the singularity of modern climate change, and how high the future seas will rise. During Spring Break, the class will travel to Barbados, a renowned locality for Quaternary sea level reconstruction, to observe modern and ancient reefs, and collect samples that will be the basis of individual or group projects in the second half of the semester. Participation in the Spring Break trip is not required for successful completion of the course, but course enrollment is necessary to attend the trip. This course is in the Oceans and Climate group for the Geosciences major.

Requirements/Evaluation: short papers, labs, participation in discussion, and a research project

Prerequisites: GEOS 104 or GEOS 210 or GEOS 215 or MAST 311 or permission of instructor

Enrollment Limit: 10

Enrollment Preferences: Geoscience majors, students who commit to the Spring Break trip

Expected Class Size: 10

Grading: no pass/fail option, no fifth course option

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

GEOS 324 (D3) MAST 324 (D3) ENVI 324 (D3)

Attributes: ENVI Natural World Electives EXPE Experiential Education Courses GEOS Group A Electives - Climate + Oceans

Not offered current academic year

ENVI 351  (F)(S)  Marine Policy  (DPE) (WS)

Cross-listings: MAST 351  ENVI 351  PSCI 319

Secondary Cross-listing

Coastal communities are home to nearly 40% of the U.S. population, but occupy only a small percentage of our country’s total land area. Intense population density, critical transportation infrastructure, significant economic productivity, and rich cultural and historic value mark our coastal regions as nationally significant. But, coastal and ocean-based climate-induced impacts such as sea level rise, ocean warming and acidification pose extraordinary challenges to our coastal communities, and are not borne equally by all communities. This seminar considers our relationship with our ocean and coastal environments and the foundational role our oceans and coasts play in our Nation’s environmental and economic sustainability as well as ocean and coastal climate resiliency. Through the lens of coastal and ocean governance and policy-making, we critically examine conflict of use issues relative to climate change, climate justice, coastal zone management, fisheries, ocean and coastal pollution and marine biodiversity.

Class Format: This class is taught only at Williams-Mystic in Mystic, Connecticut and includes coastal and near-shore interdisciplinary field seminars, and 10 days offshore.

Requirements/Evaluation: Weekly Readings; Class Participation; Small and large group strategy exercises (written and oral); Written Research Project: issues paper and draft research paper; Final Research Project: multiple formats available

Prerequisites: none

Enrollment Limit: 23

Enrollment Preferences: must be enrolled at Williams-Mystic in Mystic, Connecticut

Expected Class Size: 22

Grading: no pass/fail option, no fifth course option

Unit Notes: must be enrolled at Williams-Mystic in Mystic, Connecticut

Distributions: (D2) (DPE) (WS)

This course is cross-listed and the prefixes carry the following divisional credit:

MAST 351 (D2) ENVI 351 (D2) PSCI 319 (D2)

Writing Skills Notes: Each student will write one 3-5 page research issues paper and one 8-10 page draft research paper as well as a final project with written components equaling 5-8 pages. Each submission receives written feedback from the professor, including research guidance, input on grammar, structure, language, analysis. Students also receive verbal feedback in individual conferences to discuss research paper organization,
analysis, structure and grammar as well as final project input.

**Difference, Power, and Equity Notes:** Coastal and ocean policy issues relating to climate change, coastal zone management, fisheries, ocean pollution and marine biodiversity impact environmental and climate justice. Students examine coastal governance while considering the disproportionate burdens on underrepresented populations in U.S. coastal communities caused by climate change and coastal policies. Students analyze multi-disciplinary evidence and work to strengthen their integrative, analytical, writing, and advocacy skills.

**Attributes:** ENVI Environmental Policy  EXPE Experiential Education Courses  POEC Comparative POEC/Public Policy Courses

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Fall 2021
SEM Section: 01  F 9:00 am - 12:00 pm  Catherine Robinson Hall

Spring 2022
SEM Section: 01  F 9:00 am - 12:00 pm  Catherine Robinson Hall

**GEOS 100** (S)  Introduction to Weather and Climate

**Cross-listings:** GEOS 100  ENVI 100

**Primary Cross-listing**

How is it that we have such a hard time predicting if it's going to rain next week, but we can be confident in projections of future climate change decades from now? This course will explore the atmosphere and how air moves and changes, understanding the wind, clouds, precipitation, and extreme events (including thunderstorms, hurricanes, and tornados) that form our weather. Building off of our understanding of the atmosphere, we'll look at longer time scales to develop a basic understanding of earth's climate, global heat and moisture transport, climate change, and the ways that humans can change our planet. We will look at weather and climate models to learn how to scientists and meteorologists predict future conditions. Labs will include local field trips, bench top experiments, and running a climate model on a computer. This course is in the Oceans and Climate group for the Geosciences major.

**Requirements/Evaluation:** lab assignments, a midterm, and a final exam

**Prerequisites:** none

**Enrollment Limit:** 40

**Enrollment Preferences:** first year and second year students, Geosciences majors

**Expected Class Size:** 40

**Grading:** no pass/fail option, no fifth course option

**Distributions:** (D3)

**This course is cross-listed and the prefixes carry the following divisional credit:**

GEOS 100 (D3)  ENVI 100 (D3)

**Attributes:** ENVI Natural World Electives  EXPE Experiential Education Courses  GEOS Group A Electives - Climate + Oceans

Not offered current academic year

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**GEOS 101** (F)  The Co-Evolution of Earth and Life

**Cross-listings:** GEOS 101  ENVI 105

**Primary Cross-listing**

Our planet is about 4.6 billion years old and has supported life for at least the last 3.5 billion of those years. This course will consider the inter-related nature of Earth and the life that inhabits it, starting with the first living organisms and progressing to the interaction of our own species with the Earth today. Students will investigate the dynamic nature of the Earth-life system, examine many of its feedbacks, and learn about the dramatic changes that have occurred throughout the history of the Earth. We will ask questions such as: How did the Earth facilitate biologic evolution, and what effects did those biologic events have on the physical Earth? When did photosynthesis evolve, how can we detect that in the rock record, and how did this biological event lead to profound changes in the environment? How and why did animals evolve and what role did environmental change play in the radiation of animal life? How did the rise and radiation of land plants affect world climate? How do plate tectonics, glaciation, and volcanism influence biodiversity and evolutionary innovation? What caused mass extinctions in the past and what can that teach us about our current extinction crisis? Labs will involve hands-on analysis of rocks, fossils, and real-world data as well as conceptual and analytical exercises; field trips will contextualize major events in Earth history and will help students learn to read the rock record. Through these investigations, the class will provide a comprehensive
overview of Earth history, with special attention paid to the geological and paleontological history of the northeastern United States. This course is in the Sediments and Life group for the Geosciences major.

**Class Format:** one laboratory per week plus one all-day field trip

**Requirements/Evaluation:** lab work, short quizzes, midterms, an independent project, and a final exam

**Prerequisites:** none

**Enrollment Limit:** 30

**Enrollment Preferences:** first year and second year students, Geosciences majors

**Expected Class Size:** 30

**Grading:** yes pass/fail option, no fifth course option

**Distributions:** (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

GEOS 101 (D3) ENVI 105 (D3)

**Attributes:** ENVI Natural World Electives EXPE Experiential Education Courses GEOS Group B Electives - Sediments + Life

Not offered current academic year

**GEOS 102 (S) An Unfinished Planet**

The Earth is a work-in-progress, an evolving planet whose vital signs--as expressed by earthquakes, volcanic eruptions, and shifting plates--are still strong. In a geological time frame, nothing on Earth is permanent: ocean basins open and close, mountains rise and fall, continental masses collide and pull apart. There is a message here for all of us who live, for an infinitesimally brief time, on the moving surface of the globe. This course uses the plate tectonics model--one of the fundamental scientific accomplishments of the past century--to interpret the processes and products of a changing Earth. The emphasis will be on mountain systems (on land and beneath the oceans) as expressions of plate interactions. Specific topics include the rocks and structures of modern and ancient mountain belts, the patterns of global seismicity and volcanism, the nature of the Earth's interior, the changing configurations of continents and ocean basins through time, and, in some detail, the formation of the Appalachian Mountain system and the geological assembly of New England. Readings will be from a physical geology textbook, a primary source supplement, selected writings of John McPhee, and references about the geology of the Northeast. This course is in the Solid Earth group for the Geosciences major.

**Class Format:** lecture three hours per week and lab (several involving field work) two hours per week; one required all-day field trip on the last Monday of the semester to the Connecticut Valley and the highlands of western Massachusetts

**Requirements/Evaluation:** two hour-tests, weekly lab work, and a scheduled final exam

**Prerequisites:** none

**Enrollment Limit:** 40

**Enrollment Preferences:** first year and second year students, Geosciences majors

**Expected Class Size:** 40

**Grading:** yes pass/fail option, yes fifth course option

**Distributions:** (D3)

**Attributes:** ENVI Natural World Electives EXPE Experiential Education Courses GEOS Group C Electives - Solid Earth

Spring 2022

LAB Section: 03  W 1:00 pm - 3:00 pm  Paul M. Karabinos
LAB Section: 02  M 1:00 pm - 3:00 pm  Paul M. Karabinos
LEC Section: 01  MWF 10:00 am - 10:50 am  Paul M. Karabinos

**GEOS 103 (F) Global Warming and Environmental Change**

**Cross-listings:** GEOS 103 ENVI 103

**Primary Cross-listing**

Earth is the warmest it has been for at least five centuries, and the surface of our planet is responding. From extreme floods and drought to landslides and soil erosion, the natural processes that shape Earth's surface are tied to temperature and precipitation. As those change, the landscape reacts.
People are beginning to feel the impacts, but in different ways depending on where they call home. In this course, we will investigate how climate change is altering landscapes and the natural processes that support them, highlighting all the ways that people are being affected today. Ultimately, we will develop an understanding of the consequences of climate change that connects physical processes with the geography of place. Specific topics include foundations of the Earth system, plate tectonics and the construction of landscapes, Earth materials, rivers and flooding, hillslope processes, coastal processes, and climate impacts on natural resources such as fresh water and soil. Labs will use local field sites and analytical exercises to evaluate recent cases that reflect an interaction of the landscape and climate. This course is in the Sediments and Life group for the Geosciences major.

Requirements/Evaluation: written reports from laboratories and readings, class participation, a midterm and final exam
Prerequisites: none
Enrollment Limit: 40
Enrollment Preferences: first year and second year students, Geosciences majors and Environmental Studies majors and concentrators
Expected Class Size: 40
Grading: yes pass/fail option, no fifth course option
Distributions: (D3)
This course is cross-listed and the prefixes carry the following divisional credit:
GEOS 103 (D3) ENVI 103 (D3)
Attributes: ENVI Natural World Electives EXPE Experiential Education Courses GEOS Group B Electives - Sediments + Life

Not offered current academic year

GEOS 104 (F) Oceanography
Cross-listings: MAST 104 GEOS 104 ENVI 104

Primary Cross-listing
In this wide-ranging and integrated introduction to the oceans we will examine formation and history of the ocean basins; composition and origin of seawater; currents, tides, and waves; ocean-atmosphere interactions; oceans and climate; deep-marine environments; coastal processes; productivity in the oceans; marine resources; and human impacts. We will discuss current research, and address issues of colonialism and racism in oceanographic science. This course is in the Oceans and Climates group for the Geosciences major.

Class Format: 3 50-minute lecture/discussion meetings each week; 2-hour lab every second week. 3 mini-symposia (during scheduled class time). All-day field trip to the Atlantic coast of New England.
Requirements/Evaluation: 6 graded lab exercises, mini-symposium participation, a 4-page term paper, and final exam.
Prerequisites: none
Enrollment Limit: 60
Enrollment Preferences: first year and second year students, Geosciences majors, Maritime Studies concentrators
Expected Class Size: 60
Grading: yes pass/fail option, no fifth course option
Distributions: (D3)
This course is cross-listed and the prefixes carry the following divisional credit:
MAST 104 (D3) GEOS 104 (D3) ENVI 104 (D3)
Attributes: ENVI Natural World Electives EXPE Experiential Education Courses GEOS Group A Electives - Climate + Oceans

Fall 2021
LAB Section: 03 W 1:00 pm - 3:00 pm Rónadh Cox
LAB Section: 02 M 1:00 pm - 3:00 pm Rónadh Cox
LEC Section: 01 MWF 9:00 am - 9:50 am Rónadh Cox

GEOS 202 (F) Mineralogy
This course could be subtitled "An Introduction to Earth Materials and Analytical Techniques." As the basis for all subsequent solid-earth courses in
the major, it provides a systematic framework for the study of minerals--Earth's building blocks: their physical and chemical properties at all scales and the common analytical methods used to identify and interpret them. The course progresses from hand-specimen morphology and crystallography through element distribution and crystal chemistry to the phase relations, compositional variation, and mineral associations within major rock-forming mineral systems. Laboratory work includes the determination of crystal symmetry; mineral separation; the principles and applications of optical emission spectroscopy; wavelength- and energy-dispersive x-ray spectrochemical analysis; x-ray diffraction; the use of the petrographic microscope; and the identification of important minerals in hand specimen and thin section. This course is in the Solid Earth group for the Geosciences major.

**Class Format:** Lecture three hours per week and laboratory three hours per week; independent study of minerals in hand specimen; one afternoon field trip

**Requirements/Evaluation:** one hour test, lab work, and a final exam

**Prerequisites:** one 100-level GEOS course or permission of instructor

**Enrollment Limit:** 14

**Enrollment Preferences:** sophomores and juniors planning to take GEOS 301, 302 and/or 303 in the subsequent year

**Expected Class Size:** 12

**Grading:** yes pass/fail option, no fifth course option

**Distributions:** (D3)

**Attributes:** EXPE Experiential Education Courses GEOS Group C Electives - Solid Earth MTSC Courses

Not offered current academic year

**GEOS 210 (F)(S) Oceanographic Processes**

**Cross-listings:** MAST 211 GEOS 210

**Secondary Cross-listing**

This course examines ocean and coastal environmental science issues including carbon dioxide and the ocean's role in climate, El Niño and other ocean-atmosphere oscillations that influence our weather, coastal erosion and other hazards, coastal pollution, and fisheries. The focus is on controlling processes with regional comparisons. Blue water oceanography is conducted in the Atlantic and comparative coastal oceanography includes trips to southern New England shores, and the West and Gulf coasts of the US as part of the Williams-Mystic program. This course is in the Oceans and Climate group for the Geosciences major.

**Class Format**: including coastal and near-shore field trips, 11 days offshore, and a laboratory or field research project

**Requirements/Evaluation:** two tests, a research project, and a presentation

**Prerequisites:** none

**Enrollment Limit:** 24

**Enrollment Preferences:** none

**Expected Class Size:** 10

**Grading:** yes pass/fail option, yes fifth course option

**Unit Notes:** offered only at Mystic Seaport

**Distributions:** (D3)

**This course is cross-listed and the prefixes carry the following divisional credit:**

MAST 211 (D3) GEOS 210 (D3)

**Attributes:** ENVI Natural World Electives EVST Living Systems Courses EXPE Experiential Education Courses GEOS Group A Electives - Climate + Oceans

**Fall 2021**

LEC Section: 01  TR 9:30 am - 10:45 am  Lisa A. Gilbert

LAB Section: 02  T 1:00 pm - 4:30 pm  Lisa A. Gilbert

**Spring 2022**

LAB Section: 02  T 1:00 pm - 4:30 pm  Lisa A. Gilbert

LEC Section: 01  TR 9:30 am - 10:45 am  Lisa A. Gilbert
GEOS 212 (S) Paleobiology

Cross-listings: GEOS 212 BIOL 211

Primary Cross-listing

The fossil record is a direct window into the history of life on Earth and contains a wealth of information on evolution, biodiversity, and climate change. This course investigates the record of ancient life forms, from single-celled algae to snails to dinosaurs. We will explore how, why, when, and where fossils form and learn about the major groups of fossilized organisms and how they have changed through time. In addition, we will cover a range of topics central to modern paleobiology. These include: how the fossil record informs our understanding of evolutionary processes including speciation; the causes and consequences of mass extinctions; how fossils help us tell time and reconstruct the Earth’s climactic and tectonic history; statistical analysis of the fossil record to reconstruct biodiversity through time; analysis of fossil morphology to recreate the biomechanics of extinct organisms; and using fossil communities to reconstruct past ecosystems. Laboratory exercises will take advantage of Williams’ fossil collections as well as published datasets to provide a broad understanding of fossils and the methods we use to study the history of life on Earth, including using the programming language R (no previous experience is required). We will also view a diversity of fossils in their geologic and paleo-environmental context on our field trip to Eastern New York. This course is in the Sediments and Life group for the Geosciences major.

Class Format: One day field trip to the the Paleozoic of New York State

Requirements/Evaluation: Weekly lab assignments, frequent short quizzes and writing assignments, and a final project with a written and oral presentation component.

Prerequisites: any 100-level GEOS course or BIOL 102, 203 or 205

Enrollment Limit: 24

Enrollment Preferences: sophomore and junior GEOS majors

Expected Class Size: 20

Grading: no pass/fail option, no fifth course option

Unit Notes: does not satisfy the distribution requirement for the Biology major

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

GEOS 212 (D3) BIOL 211 (D3)

Attributes: EXPE Experiential Education Courses  GEOS Group B Electives - Sediments + Life  MAST Interdepartmental Electives

Spring 2022

LAB Section: 02  T 1:00 pm - 4:00 pm  Phoebe A. Cohen
LAB Section: 03  W 1:00 pm - 4:00 pm  Phoebe A. Cohen
LEC Section: 01  TR 9:55 am - 11:10 am  Phoebe A. Cohen

GEOS 214 (S) Mastering GIS

Cross-listings: GEOS 214 ENVI 214

Primary Cross-listing

The development of Geographic Information Systems (GIS) has allowed us to investigate incredibly large and spatially complex data sets like never before. From assessing the effects of climate change on alpine glaciers, to identifying ideal habitat ranges for critically endangered species, to determining the vulnerability of coastal communities to storms, GIS tools have opened the door for important, large-scale environmental analyses. And as these technologies improve, our ability to understand the world grows ever greater. This course will teach you how to use GIS tools to investigate environmental problems. We will review fundamental principles in geography, the construction and visualization of geospatial datasets, and tools for analyzing geospatial data. Special attention will also be given to analysis of remotely sensed (satellite) imagery and to collection of field data. By the end of the course, you will be able to conduct independent GIS-based research and produce maps and other geospatial imagery of professional quality.

Class Format: lecture, three hours per week and laboratory, three hours per week

Requirements/Evaluation: weekly lab exercises, weekly quizzes, and a research project

Prerequisites: at least one course in Geosciences or Environmental Studies
Enrollment Limit: 18

Enrollment Preferences: Geosciences majors and Environmental Studies majors and concentrators.

Expected Class Size: 18

Grading: yes pass/fail option, no fifth course option

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

GEOS 214 (D3) ENVI 214 (D3)

Attributes: ENVI Natural World Electives EVST Methods Courses EXPE Experiential Education Courses

Spring 2022

LEC Section: 01 MW 11:00 am - 12:15 pm José A. Constantine

LAB Section: 02 M 1:00 pm - 4:00 pm José A. Constantine

LAB Section: 03 W 1:00 pm - 4:00 pm José A. Constantine

GEOS 215 (F) Climate Changes

Cross-listings: GEOS 215 ENVI 215

Primary Cross-listing

In recent years, there has been a growing public and scientific interest in the Earth's climate and its variability. This interest reflects both concern over future climate changes resulting from anthropogenic increases in atmospheric greenhouse gases and growing recognition of the economic impact of "natural" climate variability (for example, El Niño events), especially in the developing world. Efforts to understand the Earth's climate system and predict future climate changes require both study of parameters controlling present day climate and detailed studies of climate changes in the past. In this course, we will review the processes that control the Earth's climate, like solar radiation, the greenhouse effect, ocean circulation, configuration of continents, and positive and negative feedbacks. At the same time, we will review the geological record of climate changes in the past, examining their causes. Laboratories and problem sets will emphasize developing problem solving skills as well as sampling and interpreting geological archives of climate change. This course is in the Oceans and Climate group for the Geosciences major.

Class Format: This class has three scheduled lectures per week, and one lab meeting per week which will consist of lab exercises, problem solving and discussion

Requirements/Evaluation: lab exercises and problem sets (25%), three exams (50%), and a final project (25%) where students will collect, analyze, and interpret data

Prerequisites: 100-level course in GEOS, CHEM, or PHYS or ENVI 102 or permission of instructor

Enrollment Limit: 16

Enrollment Preferences: Geosciences and Environmental Studies majors

Expected Class Size: 16

Grading: yes pass/fail option, yes fifth course option

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

GEOS 215 (D3) ENVI 215 (D3)

Attributes: ENVI Natural World Electives EVST Environmental Science EXPE Experiential Education Courses GEOS Group A Electives - Climate + Oceans MAST Interdepartmental Electives

Not offered current academic year

GEOS 221 (F) Examining Inconvenient Truths: Climate Science meets U.S. Senate Politics (WS)

Cross-listings: GEOS 221 ENVI 222 LEAD 221

Primary Cross-listing

Former President Barack Obama once said: "There's one issue that will define the contours of this century more dramatically than any other, and that is the urgent threat of a changing climate." While consensus regarding the causes and impacts of climate change has been growing steadily among
scientists and researchers (and to some extent, the general public) over the past two decades, the U.S. has yet to confront this issue in a manner consistent with its urgency. This lack of action in the U.S. is at least partly due to the fact that science provides necessary but insufficient information towards crafting effective climate change legislation and the unfortunate fact that climate change has become a highly partisan issue. The primary objective of this tutorial will be to help students develop a greater understanding of the difficulties associated with crafting climate change legislation, with an emphasis on the role of science and politics within the legislative process. To this end, the tutorial will address how the underlying scientific complexities embedded in most climate policies (e.g., offsets, carbon capture and sequestration, uncertainty and complexity of the climate system, leakage) must be balanced by and blended with the different operational value systems (e.g., economic, social, cultural, religious) that underlie U.S. politics. Over the course of this tutorial, students will develop a nuanced sense of how and when science can support the development of comprehensive national climate change legislation within the current partisan climate. This course will take a practical approach, where students will craft weekly policy oriented documents (e.g., policy memos, action memos, research briefs) targeted to selected members of the current U.S. Senate Environment and Public Works Committee, the committee that has historically held jurisdiction over a majority of the major climate change bills that have moved through the legislative process. This course is in the Oceans and Climate group for the Geosciences major.

Requirements/Evaluation: weekly papers (2 - 5 pages in length) and a final oral presentation

Prerequisites: none

Enrollment Limit: 10

Enrollment Preferences: sophomores, Geosciences and Environmental Studies juniors and seniors

Expected Class Size: 10

Grading: no pass/fail option, no fifth course option

Distributions: (D3) (WS)

This course is cross-listed and the prefixes carry the following divisional credit:
GEOS 221 (D3) ENVI 222 (D3) LEAD 221 (D3)

Writing Skills Notes: You will learn to write in a variety of policy-focused formats

Attributes: ENVI Environmental Policy  EXPE Experiential Education Courses  GEOS Group A Electives - Climate + Oceans

Not offered current academic year

GEOS 255  (F)  Environmental Observation

Cross-listings: ENVI 255  GEOS 255

Primary Cross-listing

To study the environment, we need to observe and measure it. We collect data--numbers that represent system states--and analyze them to create understanding of the world we live in. Advances in technology create more opportunities to discover how the planet works. Through a survey of observational approaches (including weather stations, direct sampling, remote sensing, community-based monitoring, and other techniques), this course will investigate the process of turning a physical property in the environment into a number on a computer and then into meaningful information. We will explore both direct field measurements and remote sensing techniques, diving into how to choose the appropriate sensor for a scientific question, how sensors work, analysis approaches and statistical methods, and how to interpret the resulting data. We will also learn how to mitigate measurement bias through a combination of lab experiments and field work and how to make interpretations of measurements that accurately reflect what is being measured. The course will focus on the near-surface environment, including the atmosphere, water, and biosphere. Students will carry out a research project using observation techniques covered in class to explore a scientific question of interest. This course is in the Oceans and Climate group for the Geosciences major.

Requirements/Evaluation: Weekly labs, four quizzes, and a final project

Prerequisites: at least one prior course in GEOS or ENVI

Enrollment Limit: 20

Enrollment Preferences: sophomores, then GEOS majors

Expected Class Size: 10

Grading: no pass/fail option, no fifth course option

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:
ENVI 255 (D3) GEOS 255 (D3)
Fall 2021
LAB Section: 02 W 1:00 pm - 4:00 pm Alice C. Bradley
LEC Section: 01 MWF 10:00 am - 10:50 am Alice C. Bradley

**GEOS 301 (F) Geomorphology**

**Cross-listings:** GEOS 301 ENVI 205

**Primary Cross-listing**

Geomorphology is the study of landforms, the processes that shape them, and the rates at which these processes change the landscape in which we live. The course is designed for Geosciences majors and for environmental studies students interested in the evolution of Earth's surface and the ways our activities are changing the planet. We will examine the ways in which climatic, tectonic, and volcanic forces drive landscape evolution over relatively short periods of geologic time, generally thousands to a few millions of years. More recently, the impacts of human activity in reshaping landscapes, determining the movement of water, and changing climate could not be clearer. We will also examine how these impacts are affecting communities, including causes and possible solutions to environmental injustice. We will learn a range of practical skills for describing physical environments and for predicting how they change, including field surveys, GIS analysis, and numerical modelling. This course is in the Sediments and Life group for the Geosciences major.

**Class Format:** lecture, three hours per week and laboratory, three hours per week

**Requirements/Evaluation:** weekly lab exercises, a research project, and a midterm and final exam

**Prerequisites:** At least one 100-level and one 200-level GEOS or ENVI course or permission of instructor

**Enrollment Limit:** 18

**Enrollment Preferences:** GEOS and ENVI majors

**Expected Class Size:** 18

**Grading:** yes pass/fail option, yes fifth course option

**Distributions:** (D3)

**This course is cross-listed and the prefixes carry the following divisional credit:**

GEOS 301 (D3) ENVI 205 (D3)

**Attributes:** AMST Space and Place Electives ENVI Natural World Electives EVST Environmental Science EXPE Experiential Education Courses GEOS Group B Electives - Sediments + Life

Fall 2021

LEC Section: 01 TR 9:55 am - 11:10 am José A. Constantine
LAB Section: 02 R 1:00 pm - 4:00 pm José A. Constantine

**GEOS 302 (S) Sedimentology (WS)**

Sediments and sedimentary rocks are the book in which Earth’s history is recorded, where we read the stories of oceans and continents and how life evolved. Studying sedimentology links the solid Earth, ocean, atmosphere and biosphere, because sand, silt and mud preserve information about the rocks that were eroded to form them, the fluids and forces that transported them, the mechanisms by which they were deposited, and the organisms that lived in and on them. We will investigate sediment composition, fluid mechanics, bedform analysis, and depositional environments. We will also acknowledge and examine the roles that racism and colonialism have played in sedimentologic research. This course is in the Sediments and Life group for the Geosciences major.

**Class Format:** lecture/discussion three hours per week and laboratory three hours per week; field trips: two half-day and one all-day

**Requirements/Evaluation:** lab work, writing assignments, participation in discussions, and final exam.

**Prerequisites:** at least one course in GEOS Group B (Solid Earth) AND one course in GEOS Group C (Sediments and Life); or permission of instructor

**Enrollment Limit:** 15
Enrollment Preferences: Geosciences majors

Expected Class Size: 12

Grading: yes pass/fail option, no fifth course option

Distributions: (D3) (WS)

Writing Skills Notes: Weekly 2-3 page writing assignments will be thoroughly edited for style, grammar, and syntax; each student will compile their papers as a growing body of work, and each new assignment will be read and edited in the context of previous submissions.

Attributes: EXPE Experiential Education Courses GEOS Group B Electives - Sediments + Life MAST Interdepartmental Electives

Spring 2022

LAB Section: 02  R 1:00 pm - 4:00 pm  Rónadh Cox
LEC Section: 01  TR 11:20 am - 12:35 pm  Rónadh Cox

GEOS 324 (S) Corals and Sea Level

Cross-listings: GEOS 324 MAST 324 ENVI 324

Primary Cross-listing
In coastal communities, increasing flood damage from storm surges and chronic inundation by seawater are already happening as a result of sea level rise. How do we know what contributes to the observed change in sea level in the last century? What does the geological record teach us about what controls the natural variation in sea level on short and long timescales? How can we use this information to separate anthropogenic effects from natural change in modern systems? And how does this inform us on what to expect through the 21st century and beyond? In this course, we will examine how sea level is reconstructed using geological archives and how coral-based sea level data led to breakthroughs in our understanding of the long-term evolution of the ocean and climate, the controls in the timing of ice age cycles, the singularity of modern climate change, and how high the future seas will rise. During Spring Break, the class will travel to Barbados, a renowned locality for Quaternary sea level reconstruction, to observe modern and ancient reefs, and collect samples that will be the basis of individual or group projects in the second half of the semester. Participation in the Spring Break trip is not required for successful completion of the course, but course enrollment is necessary to attend the trip. This course is in the Oceans and Climate group for the Geosciences major.

Requirements/Evaluation: short papers, labs, participation in discussion, and a research project

Prerequisites: GEOS 104 or GEOS 210 or GEOS 215 or MAST 311 or permission of instructor

Enrollment Limit: 10

Enrollment Preferences: Geoscience majors, students who commit to the Spring Break trip

Expected Class Size: 10

Grading: no pass/fail option, no fifth course option

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

GEOS 324 (D3) MAST 324 (D3) ENVI 324 (D3)

Attributes: ENVI Natural World Electives EXPE Experiential Education Courses GEOS Group A Electives - Climate + Oceans

Not offered current academic year

GEOS 411 (F) Geobiology

Geobiology--the study of interactions between earth and life over geologic timescales--is a new and interdisciplinary field that has grown out of exciting advances in earth and life sciences. During this course we will examine the many ways in which organisms -- from bacteria to trees -- have left their mark on our planet. Topics include the origin of life, the rise of oxygen in the earth's atmosphere, the evolution of biomineralization, the environmental context for animal evolution, the role of microbial communities in the earth system, the emergence of land plants, and the potential for planet-life interactions elsewhere in our solar system. Geobiology incorporates tools and ideas from geochemistry, paleontology, microbiology, and sedimentology. Class time will be divided between lectures and student-led discussions of primary literature. Labs will be varied and involve everything from growing our own microbial ecosystems to querying online databases and analyzing geological, geochemical, genetic, and paleontological data. Our field trip will take us to Upstate New York where we will sample water from a stratified lake and visit ancient microbial fossil reefs. The final project will involve writing a proposal in small groups on a geobiological topic based on the style and format of a National Science Foundation grant, and
presenting the idea to the class.

Requirements/Evaluation: labs, short papers, final grant proposal and presentation

Prerequisites: GEOS 212 or GEOS 312T; or GEOS 101 + any 200-level GEOS course; or permission of instructor

Enrollment Limit: 15

Enrollment Preferences: senior Geosciences majors, then juniors

Expected Class Size: 10

Grading: no pass/fail option, yes fifth course option

Unit Notes: As a 400-level seminar, this capstone course is intended to build on and extend knowledge and skills students have developed during previous courses in the major

Distributions: (D3)

Attributes: EXPE Experiential Education Courses

Not offered current academic year

HIST 259 (S) New England Environmental History (WS)

Cross-listings: AMST 259 HIST 259 ENVI 259

Secondary Cross-listing

Have you ever wondered why there are few old-growth forests in New England? What Williamstown looked like before Williams was founded? How ideas about environmental preservation have changed over time? These are some of the questions we will explore in this course, which introduces students to the discipline of Environmental History through New England examples. During the semester we will: (1) read and discuss scholarship on the environmental history of New England and the world; (2) use case studies and field trips to examine how past environments are represented in museum exhibits, digital projects, and physical landscapes; (3) Develop a research paper based on original archival research

Requirements/Evaluation: several short essays, final project

Prerequisites: ENVI 101 or permission of the instructor

Enrollment Limit: 19

Enrollment Preferences: Environmental Studies concentrators

Expected Class Size: 15

Grading: no pass/fail option, yes fifth course option

Distributions: (D2) (WS)

This course is cross-listed and the prefixes carry the following divisional credit:

AMST 259 (D2) HIST 259 (D2) ENVI 259 (D2)

Writing Skills Notes: Six response papers for which the instructor will provide consistent feedback on writing skills as well as content. Sequenced writing workshops that lead toward a final research paper.

Attributes: ENVI Humanities, Arts + Social Science Electives EVST Culture/Humanities EXPE Experiential Education Courses HIST Group F Electives - U.S. + Canada

Not offered current academic year

HIST 264 (S) Environmental History

Cross-listings: ENVI 229 HIST 264

Secondary Cross-listing

This course is an introduction to Environmental History: the study of how people have shaped environments, how environments have shaped human histories, and how cultural change and material change are intertwined. As such, it challenges traditional divides between the humanities and the sciences. Taking U.S. environmental history as our focus, we will strive to understand the historical roots of contemporary environmental problems, such as species extinction, pollution, and climate change. We will take field trips to learn to read landscapes for their histories and to examine how past environments are represented in museum exhibits, digital projects, and physical landscapes. And we will develop original arguments and essays based on archival research. It is imperative that we understand this history if we are to make informed and ethical environmental decisions at the local, national, and global scale.
This course explores themes in American maritime history from the colonial era to the 21st century. We will consider the dynamic relationship between the sea and American life, and the broad influence that each has had on the other. This relationship led to interactions with the water as a highway for the transportation of not just people and goods, but powerful new forces and ideas. The water creates a unique space for the formation of new communities and identities, while also acting as an important, and often exploited, resource. We will sample from different fields of inquiry including labor, environmental, cultural, and political history to gain a deeper understanding of diverse people's complex interactions with the oceans and seas.

This course is cross-listed and the prefixes carry the following divisional credit:
HIST 352 (D2) MAST 352

Secondary Cross-listing

This course explores themes in American maritime history from the colonial era to the 21st century. We will consider the dynamic relationship between the sea and American life, and the broad influence that each has had on the other. This relationship led to interactions with the water as a highway for the transportation of not just people and goods, but powerful new forces and ideas. The water creates a unique space for the formation of new communities and identities, while also acting as an important, and often exploited, resource. We will sample from different fields of inquiry including labor, environmental, cultural, and political history to gain a deeper understanding of diverse people's complex interactions with the oceans and seas.

This course is cross-listed and the prefixes carry the following divisional credit:
HIST 352 (D2) MAST 352

Writing Skills Notes: Students must complete regular writing assignments including a final 10- to 15-page paper. Additionally, students will participate in several in-class writing workshops and peer critiques. Students will receive from the instructor timely comments on their writing skills, with suggestions for improvement.

Difference, Power, and Equity Notes: Maritime activity has long provided opportunities for some while creating tremendous hardships for others. From the slave trade and the encounters between native and European mariners to the power wielded by multi-national shipping conglomerates, this course investigates contests over power, empire, and capitalism as they played out on the maritime stage.

Attributes: AMST Space and Place Electives ENVI Humanities, Arts + Social Science Electives EXPE Experiential Education Courses HIST Group F Electives - U.S. + Canada HIST Group P Electives - Premodern

Fall 2021
SEM Section: 01    MW 11:00 am - 12:15 pm    Sofia E. Zepeda

Spring 2022
LATS 241 (S) Performing Masculinity in Global Popular Culture (DPE)

Cross-listings: THEA 241 WGS 240 SOC 240 AMST 241 LATS 241

Secondary Cross-listing

This course examines popular cultural contexts, asking what it means to be a man in contemporary societies. We focus on the manufacture and marketing of masculinity in advertising, fashion, TV/film, theater, popular music, and the shifting contours of masculinity in everyday life, asking: how does political economy change the ideal shape, appearance, and performance of men? How have products - ranging from beer to deodorant to cigarettes -- had their use value articulated in gendered ways? Why must masculinity be the purview of "males" at all; how can we change discourses to better include performances of female masculinities, butch-identified women, and trans* men? We will pay particular attention to racialized, queer, and subaltern masculinities. Some of our case studies include: the short half-life of the boy band in the US and in Asia (e.g., J/K-Pop), hip hop masculinities, and the curious blend of chastity and homoeroticism that constitutes masculinity in the contemporary vampire genre. Through these and other examples, we learn to recognize masculinity as a performance shaped by the political economy of a given culture.

Requirements/Evaluation: masculinity journal, mid-term essay exam, visual rhetorical analyses of pop culture images

Prerequisites: none

Enrollment Limit: 14

Enrollment Preferences: a short statement of interest will be solicited

Expected Class Size: 14

Grading: yes pass/fail option, yes fifth course option

Distributions: (D2) (DPE)

This course is cross-listed and the prefixes carry the following divisional credit:

THEA 241 (D2) WGS 240 (D2) SOC 240 (D2) AMST 241 (D2) LATS 241 (D2)

Difference, Power, and Equity Notes: This course examines the construction of masculinity as it relates to intersecting identities such as race, sexuality, class, and global political economic considerations. Key to understanding masculinity are questions about the diversity of experiences of masculinity, cultural variations of gender norms, privilege, agency, patriarchy, heteronormativity, and interlocking systems of oppression.

Attributes: EXPE Experiential Education Courses FMST Related Courses LATS Comparative Race + Ethnic Studies Electives

Not offered current academic year

LEAD 221 (F) Examining Inconvenient Truths: Climate Science meets U.S. Senate Politics (WS)

Cross-listings: GEOS 221 ENVI 222 LEAD 221

Secondary Cross-listing

Former President Barack Obama once said: “There’s one issue that will define the contours of this century more dramatically than any other, and that is the urgent threat of a changing climate.” While consensus regarding the causes and impacts of climate change has been growing steadily among scientists and researchers (and to some extent, the general public) over the past two decades, the U.S. has yet to confront this issue in a manner consistent with its urgency. This lack of action in the U.S. is at least partly due to the fact that science provides necessary but insufficient information towards crafting effective climate change legislation and the unfortunate fact that climate change has become a highly partisan issue. The primary objective of this tutorial will be to help students develop a greater understanding of the difficulties associated with crafting climate change legislation, with an emphasis on the role of science and politics within the legislative process. To this end, the tutorial will address how the underlying scientific complexities embedded in most climate policies (e.g., offsets, carbon capture and sequestration, uncertainty and complexity of the climate system, leakage) must be balanced by and blended with the different operational value systems (e.g., economic, social, cultural, religious) that underlie U.S. politics. Over the course of this tutorial, students will develop a nuanced sense of how and when science can support the development of comprehensive national climate change legislation within the current partisan climate. This course will take a practical approach, where students will craft weekly policy oriented documents (e.g., policy memos, action memos, research briefs) targeted to selected members of the current U.S. Senate Environment and Public Works Committee, the committee that has historically held jurisdiction over a majority of the major climate change bills that have moved through the legislative process. This course is in the Oceans and Climate group for the Geosciences major.

Requirements/Evaluation: weekly papers (2 - 5 pages in length) and a final oral presentation

Prerequisites: none

Enrollment Limit: 10
Enrollment Preferences:  sophomores, Geosciences and Environmental Studies juniors and seniors

Expected Class Size:  10
Grading:  no pass/fail option,  no fifth course option
Distributions:  (D3)  (WS)

This course is cross-listed and the prefixes carry the following divisional credit:
GEOS 221 (D3) ENVI 222 (D3) LEAD 221 (D3)

Writing Skills Notes:  You will learn to write in a variety of policy-focused formats
Attributes:  ENVI Environmental Policy  EXPE Experiential Education Courses  GEOS Group A Electives - Climate + Oceans
Not offered current academic year

MAST 104  (F)  Oceanography

Cross-listings:  MAST 104  GEOS 104  ENVI 104

Secondary Cross-listing
In this wide-ranging and integrated introduction to the oceans we will examine formation and history of the ocean basins; composition and origin of seawater; currents, tides, and waves; ocean-atmosphere interactions; oceans and climate; deep-marine environments; coastal processes; productivity in the oceans; marine resources; and human impacts. We will discuss current research, and address issues of colonialism and racism in oceanographic science. This course is in the Oceans and Climates group for the Geosciences major.

Class Format:  3 50-minute lecture/discussion meetings each week; 2-hour lab every second week. 3 mini-symposia (during scheduled class time). All-day field trip to the Atlantic coast of New England.
Requirements/Evaluation:  6 graded lab exercises, mini-symposium participation, a 4-page term paper, and final exam.
Prerequisites:  none
Enrollment Limit:  60

Enrollment Preferences:  first year and second year students, Geosciences majors, Maritime Studies concentrators
Expected Class Size:  60
Grading:  yes pass/fail option,  no fifth course option
Distributions:  (D3)

This course is cross-listed and the prefixes carry the following divisional credit:
MAST 104 (D3) GEOS 104 (D3) ENVI 104 (D3)

Attributes:  ENVI Natural World Electives  EXPE Experiential Education Courses  GEOS Group A Electives - Climate + Oceans

Fall 2021
LAB Section: 02  M 1:00 pm - 3:00 pm  Rónadh Cox
LAB Section: 03  W 1:00 pm - 3:00 pm  Rónadh Cox
LEC Section: 01  MWF 9:00 am - 9:50 am  Rónadh Cox

MAST 211  (F)(S)  Oceanographic Processes

Cross-listings:  MAST 211  GEOS 210

Primary Cross-listing
This course examines ocean and coastal environmental science issues including carbon dioxide and the ocean's role in climate, El Niño and other ocean-atmosphere oscillations that influence our weather, coastal erosion and other hazards, coastal pollution, and fisheries. The focus is on controlling processes with regional comparisons. Blue water oceanography is conducted in the Atlantic and comparative coastal oceanography includes trips to southern New England shores, and the West and Gulf coasts of the US as part of the Williams-Mystic program. This course is in the Oceans and Climate group for the Geosciences major.
Class Format:  including coastal and near-shore field trips, 11 days offshore, and a laboratory or field research project
Requirements/Evaluation:  two tests, a research project, and a presentation
We have explored only a fraction of the ocean, with about 10% of marine species classified and 20% of the ocean mapped. Many discoveries remain to be made, and marine ecology is one technique to uncover new insights. The field of marine ecology, rooted in the theory of evolution, describes the mechanisms and processes that drive the diversity, abundance, and distribution of marine organisms. The goal is to document natural patterns and make predictions about how species will respond to environmental changes by investigating the relationship between the abiotic environment and biotic interactions. This course will take a deep dive into the unique challenges to life in the ocean. You will compare and contrast different marine ecosystems, such as coral reefs, kelp forests, and the deep sea. You will also practice a marine ecologist's skillset as you design, carry out, and analyze your own research project, which will improve your scientific writing, data analysis, and communication skills. Importantly, you will connect your research and course topics to larger marine conservation issues and broader societal impacts.

Class Format: including coastal and near-shore field trips, 10 days offshore, and a laboratory or field research project

Requirements/Evaluation: two tests, a research project, and a presentation

Prerequisites: BIOL 101 or GEOS/MAST 104, or permission of instructor

Enrollment Limit: 16

Enrollment Preferences: none

Expected Class Size: 12

Grading: yes pass/fail option, yes fifth course option

Unit Notes: This course is only offered through the Williams-Mystic Maritime Studies Program located in Mystic, CT. satisfies the distribution requirement for the Biology major.

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

MAST 311 (D3) BIOL 231

Attributes: ENVI Natural World Electives EVST Living Systems Courses EXPE Experiential Education Courses GEOS Group A Electives - Climate + Oceans

Fall 2021

LEC Section: 01  TR 9:30 am - 10:45 am  Lisa A. Gilbert

LAB Section: 02  T 1:00 pm - 4:30 pm  Lisa A. Gilbert

Spring 2022

LAB Section: 02  T 1:00 pm - 4:30 pm  Lisa A. Gilbert

LEC Section: 01  TR 9:30 am - 10:45 am  Lisa A. Gilbert

LAB Section: 02  R 1:30 pm - 5:00 pm  Tim J. Pusack
LEC Section: 01    TR 11:00 am - 12:15 pm     Tim J. Pusack

Spring 2022

LEC Section: 01    TR 11:00 am - 12:15 pm     Tim J. Pusack

LAB Section: 02    R 1:30 pm - 5:00 pm     Tim J. Pusack

MAST 324  (S)  Corals and Sea Level

Cross-listings: GEOS 324  MAST 324  ENVI 324

Secondary Cross-listing

In coastal communities, increasing flood damage from storm surges and chronic inundation by seawater are already happening as a result of sea level rise. How do we know what contributes to the observed change in sea level in the last century? What does the geological record teach us about what controls the natural variation in sea level on short and long timescales? How can we use this information to separate anthropogenic effects from natural change in modern systems? And how does this inform us on what to expect through the 21st century and beyond? In this course, we will examine how sea level is reconstructed using geological archives and how coral-based sea level data led to breakthroughs in our understanding of the long-term evolution of the ocean and climate, the controls in the timing of ice age cycles, the singularity of modern climate change, and how high the future seas will rise. During Spring Break, the class will travel to Barbados, a renowned locality for Quaternary sea level reconstruction, to observe modern and ancient reefs, and collect samples that will be the basis of individual or group projects in the second half of the semester. Participation in the Spring Break trip is not required for successful completion of the course, but course enrollment is necessary to attend the trip. This course is in the Oceans and Climate group for the Geosciences major.

Requirements/Evaluation: short papers, labs, participation in discussion, and a research project

Prerequisites: GEOS 104 or GEOS 210 or GEOS 215 or MAST 311 or permission of instructor

Enrollment Limit: 10

Enrollment Preferences: Geoscience majors, students who commit to the Spring Break trip

Expected Class Size: 10

Grading: no pass/fail option, no fifth course option

Distributions: (D3)

This course is cross-listed and the prefixes carry the following divisional credit:

GEOS 324 (D3) MAST 324 (D3) ENVI 324 (D3)

Attributes: ENVI Natural World Electives  EXPE Experiential Education Courses  GEOS Group A Electives - Climate + Oceans

Not offered current academic year

MAST 351  (F)(S)  Marine Policy  (DPE)  (WS)

Cross-listings: MAST 351  ENVI 351  PSCI 319

Primary Cross-listing

Coastal communities are home to nearly 40% of the U.S. population, but occupy only a small percentage of our country's total land area. Intense population density, critical transportation infrastructure, significant economic productivity, and rich cultural and historic value mark our coastal regions as nationally significant. But, coastal and ocean-based climate-induced impacts such as sea level rise, ocean warming and acidification pose extraordinary challenges to our coastal communities, and are not borne equally by all communities. This seminar considers our relationship with our ocean and coastal environments and the foundational role our oceans and coasts play in our Nation's environmental and economic sustainability as well as our ocean and coastal climate resiliency. Through the lens of coastal and ocean governance and policy-making, we critically examine conflict of use issues relative to climate change, climate justice, coastal zone management, fisheries, ocean and coastal pollution and marine biodiversity.

Class Format: This class is taught only at Williams-Mystic in Mystic, Connecticut and includes coastal and near-shore interdisciplinary field seminars, and 10 days offshore.

Requirements/Evaluation: Weekly Readings; Class Participation; Small and large group strategy exercises (written and oral); Written Research Project: issues paper and draft research paper; Final Research Project: multiple formats available

Prerequisites: none

Enrollment Limit: 23

Enrollment Preferences: must be enrolled at Williams-Mystic in Mystic, Connecticut
Expected Class Size: 22
Grading: no pass/fail option, no fifth course option
Unit Notes: must be enrolled at Williams-Mystic in Mystic, Connecticut
Distributions: (D2) (DPE) (WS)
This course is cross-listed and the prefixes carry the following divisional credit:
MAST 351 (D2) ENVI 351 (D2) PSCI 319 (D2)
Writing Skills Notes: Each student will write one 3-5 page research issues paper and one 8-10 page draft research paper as well as a final project with written components equaling 5-8 pages. Each submission receives written feedback from the professor, including research guidance, input on grammar, structure, language, analysis. Students also receive verbal feedback in individual conferences to discuss research paper organization, analysis, structure and grammar as well as final project input.
Difference, Power, and Equity Notes: Coastal and ocean policy issues relating to climate change, coastal zone management, fisheries, ocean pollution and marine biodiversity impact environmental and climate justice. Students examine coastal governance while considering the disproportionate burdens on underrepresented populations in U.S. coastal communities caused by climate change and coastal policies. Students analyze multi-disciplinary evidence and work to strengthen their integrative, analytical, writing, and advocacy skills.
Attributes: ENVI Environmental Policy  EXPE Experiential Education Courses  POEC Comparative POEC/Public Policy Courses

Fall 2021
SEM Section: 01  F 9:00 am - 12:00 pm  Catherine Robinson Hall
Spring 2022
SEM Section: 01  F 9:00 am - 12:00 pm  Catherine Robinson Hall

MAST 352 (F)(S) American Maritime History (DPE) (WS)
Cross-listings: HIST 352 MAST 352
Primary Cross-listing
This course explores themes in American maritime history from the colonial era to the 21st century. We will consider the dynamic relationship between the sea and American life, and the broad influence that each has had on the other. This relationship led to interactions with the water as a highway for the transportation of not just people and goods, but powerful new forces and ideas. The water creates a unique space for the formation of new communities and identities, while also acting as an important, and often exploited, resource. We will sample from different fields of inquiry including labor, environmental, cultural, and political history to gain a deeper understanding of diverse people's complex interactions with the oceans and seas.
Class Format: Seminars, discussions, and field seminars
Requirements/Evaluation: Participation in class discussions, activities, and presentations, regular papers, and a final independent research project
Prerequisites: None
Enrollment Limit: 27
Enrollment Preferences: If course over-enrolls, preference will be given to sophomores and juniors
Expected Class Size: 22
Grading: no pass/fail option, no fifth course option
Unit Notes: Offered only at Mystic Seaport
Distributions: (D2) (DPE) (WS)
This course is cross-listed and the prefixes carry the following divisional credit:
HIST 352 (D2) MAST 352 (D2)
Writing Skills Notes: Students must complete regular writing assignments including a final 10- to 15-page paper. Additionally, students will participate in several in-class writing workshops and peer critiques. Students will receive from the instructor timely comments on their writing skills, with suggestions for improvement.
Difference, Power, and Equity Notes: Maritime activity has long provided opportunities for some while creating tremendous hardships for others. From the slave trade and the encounters between native and European mariners to the power wielded by multi-national shipping conglomerates, this course investigates contests over power, empire, and capitalism as they played out on the maritime stage.
Attributes: AMST Space and Place Electives ENVI Humanities, Arts + Social Science Electives EXPE Experiential Education Courses HIST Group F Electives - U.S. + Canada HIST Group P Electives - Premodern

Fall 2021
SEM Section: 01 MW 11:00 am - 12:15 pm Sofia E. Zepeda

Spring 2022
SEM Section: 01 MW 11:00 am - 12:15 pm Sofia E. Zepeda

MUS 104 (S) Jazz Theory and Improvisation I

Cross-listings: MUS 104 AFR 212

Primary Cross-listing
The theory and application of basic techniques in jazz improvisation and performance styles, including blues forms, swing, bebop, modal/based composition, Afro-Cuban, etc. Appropriate for students with skill on their instrument and some basic theoretical knowledge. Knowledge of all key signatures, major/minor keys and modes, intervals, triads and basic seventh chords and their functions within keys. Students should be able to play and demonstrate these concepts on their instruments-competence on an instrument is essential (vocalists and drummers will be encouraged to study the piano). Pianists and guitarists should be able to sight read chords on a jazz lead sheet.

Class Format: alternates between lecture style exposition of theoretical topics and a master class where students will perform and be evaluated on assigned repertoire

Requirements/Evaluation: weekly assignments (e.g., harmonic analysis and exercises in transposition and transcription), a midterm, a transcription project and the end of semester concert, as well as improvement as measured in weekly class performance

Prerequisites: MUS 103 and/or permission of instructor; musical literacy required as per above description; private study on student's individual instruction strongly encouraged

Enrollment Limit: 15

Enrollment Preferences: prospective Music majors, then Jazz Ensemble members, then Music majors

Expected Class Size: 12

Grading: no pass/fail option, yes fifth course option

Unit Notes: this course will share aural skills labs with MUS 104a; students considering taking this course should consult the lab times and plan their schedules accordingly

Distributions: (D1)

This course is cross-listed and the prefixes carry the following divisional credit:
MUS 104 (D1) AFR 212 (D2)

Attributes: EXPE Experiential Education Courses

Spring 2022
SEM Section: B1 TR 11:20 am - 12:35 pm Kris Allen
LAB Section: B4 MWF 11:00 am - 11:50 am Daniel E. Prindle
LAB Section: B3 MWF 10:00 am - 10:50 am Daniel E. Prindle
LAB Section: B2 MWF 9:00 am - 9:50 am Daniel E. Prindle

MUS 174 (S) The Singing Voice: Structure, Styles and Meaning

What makes an opera singer sound different than a pop singer? How does the sound of each contribute to musical meaning for listeners? And why is the former granted a higher status and the latter a wider audience? This course examines the world of singing styles and engages these styles from multiple angles: through listening, readings, film viewing and, importantly, through singing. We examine histories of styles, cultural contexts as well as basic physiology, acoustics and techniques. We will explore the basics of yodeling, Tuvan throat singing, and belting, among other styles. Familiarity with musical notation recommended.

Class Format: studio/brief lectures
MUS 204 (F) Jazz Theory and Improvisation II

Cross-listings: MUS 204 AFR 214

Primary Cross-listing

A continuation of MUS 104b, this course builds upon theoretical knowledge, performance and aural skills developed previously. Students will deal with more complex theoretical and performance issues, including the use of symmetric scales, strategies for chord reharmonization, pentatonic and hexatonic scale shapes, and Coltrane's "Three Tonic" harmonic system.

Class Format: two weekly seminar meetings, alternating between theory and performance sessions

Requirements/Evaluation: weekly compositional, analysis, transcription or performance exercises and final transcription project

Prerequisites: MUS 104b or permission of instructor

Enrollment Limit: 12

Enrollment Preferences: Music majors and Jazz Ensemble members

Expected Class Size: 5-8

Grading: yes pass/fail option, yes fifth course option

Distributions: (D1)

This course is cross-listed and the prefixes carry the following divisional credit:

MUS 204 (D1) AFR 214 (D2)

Attributes: EXPE Experiential Education Courses

Fall 2021

SEM Section: 01 TR 11:20 am - 12:35 pm Kris Allen

MUS 205 (F)(S) Composition I

Beginning courses in musical composition. Size and number of required projects will vary from 4 to 5. A group meeting per week will deal with the presentation, performance, and critique of the student's work in progress, analysis of models for composition, and discussion of topics in composition. There will be a weekly individual meeting with the instructor to discuss each student's progress. Students must also be available for performances and reading of work outside normal class time and the instructor and students will work together to ensure that all work written during the semester is performed.

Requirements/Evaluation: completion of assignments, quality and timeliness of composition projects, attendance, and class participation

Prerequisites: MUS 201 (may be taken concurrently) or permission of instructor

Enrollment Limit: 6

Enrollment Preferences: Music majors; consideration of non-majors based on qualifications and experience

Expected Class Size: 4

Grading: no pass/fail option, no fifth course option
Distributions: (D1)
Attributes: EXPE Experiential Education Courses

Fall 2021
SEM Section: 01    TF 1:10 pm - 2:25 pm     Ileana Perez Velazquez
Spring 2022
SEM Section: 01    TF 1:10 pm - 2:25 pm     Zachary Wadsworth

**MUS 206  (F)(S)  Composition II**
Beginning courses in musical composition. Size and number of required assignments will vary from 3 to 6 in addition to a possible full semester composition project. One to two group meetings per week will deal with the presentation of new assignments, analysis of models for composition, and performance and critique of work. Individual meetings may be added to deal with individual needs. Students must also be available for performances and reading of work outside normal class time and the instructor and students will work together to ensure that all work written during the semester is actually performed.

Class Format: Remote in the fall semester.

Requirements/Evaluation: completion of assignments, quality and timeliness of composition projects, attendance, and class participation

Prerequisites: MUS 202 (may be taken concurrently) and permission of instructor

Enrollment Limit: 6

Enrollment Preferences: Music majors; consideration of non-majors based on qualifications and experience

Expected Class Size: 4

Grading: no pass/fail option, no fifth course option

Distributions: (D1)
Attributes: EXPE Experiential Education Courses

Fall 2021
SEM Section: 01    TF 1:10 pm - 2:25 pm     Ileana Perez Velazquez
Spring 2022
SEM Section: 01    TF 1:10 pm - 2:25 pm     Zachary Wadsworth

**MUS 309  (S)  Jazz Arranging and Composition**
This is a course designed to acquaint the student with the basic principles of composing and arranging for Jazz Ensemble, beginning with lead sheet format and progressing through the big band. Intensive score study and some transcription from selected recordings required. Evaluation will be based on the successful completion and performance of original arrangements and/or compositions during the semester, to include several lead sheet compositions, one quintet and one sextet arrangement, and one arrangement for big band. Students must attend extra small ensemble and large ensemble rehearsals when work is being rehearsed and/or performed. A solid background in jazz chord/scale theory is required.

Class Format: weekly lecture and targeted ensemble rehearsals generally last 2 hours total; additional individual tutorial style meetings are generally an hour a week, more frequently and for longer amounts of time as needed

Requirements/Evaluation: project based 4-5 compositions/arrangements

Prerequisites: MUS 104B and permission of the instructor

Enrollment Limit: 10

Enrollment Preferences: MUS 104B or recommendation of instructor

Expected Class Size: 3-5

Grading: yes pass/fail option, yes fifth course option

Distributions: (D1)
Attributes: EXPE Experiential Education Courses

Not offered current academic year
PHLH 402 (S) Senior Seminar in Public Health

The capstone seminar provides concentrators with the opportunity to reflect upon and synthesize their experiential learning in the context of understanding gained from a cohesive set of elective courses, and through the lens of a variety of intellectual and disciplinary frameworks. A second goal is to give concentrators experience working in a multi-disciplinary team to address a real-world, and in many cases very daunting, public health problem. Students will read, discuss, and compose written reflections on primary source empirical papers addressing a range of issues and disciplines in the field of public health. For example, topics may include the social determinants of health, environmental health risks, and access to health care. Students will also be divided into small research teams to interact with local organizations and investigate a contemporary real-life issue in public health. The capstone course is required of all concentrators, but may be opened to other students with relevant experience at the discretion of the instructor and the advisory committee, if space permits.

Requirements/Evaluation: active seminar participation, written reflections, contribution to the team research project, and a 12- to 15-page final paper

Prerequisites: completion of at least four courses counting towards the PHLH concentration

Enrollment Limit: 12

Enrollment Preferences: senior Public Health concentrators; students who are not senior Public Health concentrators should contact the instructor

Expected Class Size: 10

Grading: no pass/fail option, no fifth course option

Distributions: No divisional credit

Attributes: EXPE Experiential Education Courses PHLH Core Courses

Spring 2022

SEM Section: 01 TR 9:55 am - 11:10 am Marion Min-Barron
SEM Section: 02 TR 11:20 am - 12:35 pm Marion Min-Barron

POEC 402 (S) Political Economy of Public Policy Issues

In this course, students form groups that conduct a political and economic analysis of a public policy issue of their choosing. They do extensive reading, conduct interviews, write a major report on their findings and recommendations, and present and defend their findings in a public talk.

Class Format: student presentations

Requirements/Evaluation: group policy projects including an 80- to 100-page paper and 2-hour presentation

Prerequisites: POEC 253 or ECON 255, POEC 250, POEC 401; open only to Political Economy majors

Enrollment Limit: 19

Enrollment Preferences: open only to Political Economy majors

Expected Class Size: 19

Grading: no pass/fail option, no fifth course option

Unit Notes: required for the Political Economy major

Distributions: (D2)

Attributes: EXPE Experiential Education Courses POEC Required Courses

Spring 2022

SEM Section: 01 MWF 10:00 am - 10:50 am Sidney A. Rothstein, William M. Gentry

PSCI 118 (F) Power to the People?

Popular unrest. The resurgence of authoritarian styles and practices in politics. Democratic collapse. Political tumult around the globe in recent decades has put elites, and others, on edge as young democracies have collapsed and longer standing ones appear to be stumbling. In the United States, basic stability and democratic expansion have been accompanied by increasing citizen distrust of institutions, growing social divisions, and contestation over basic citizenship rights. The current pandemic, related economic distress, and social protests have only sharpened the precarious state of U.S. democracy. Acute observers have long seen the U.S. as a harbinger of the promise and peril of modern democracies. What is the fate of
democracy in the U.S.? What does that portend, if anything, for other democracies, or for the general principle of popular sovereignty—the idea that the people govern themselves? We investigate these and related questions, primarily through active, project-based group research activities, guided by political theory and empirical research in the social sciences. This class is extensively hybrid by design; it is largely remote with some in-person sessions. Remote sessions include substantial collaboration with a similarly structured first-year course being taught by a sociologist at the University of North Carolina. Williams and UNC students will work together in small groups and will present their project findings to both classes.

**Requirements/Evaluation:** active class participation, three 4-page essays, group assignments, and class presentation

**Prerequisites:** first-year students

**Enrollment Limit:** 15

**Enrollment Preferences:** first-year students

**Expected Class Size:** 15

**Grading:** no pass/fail option, no fifth course option

**Distributions:** (D2)

**Attributes:** EXPE Experiential Education Courses  PSCI American Politics Courses

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**PSCI 21  (W) Fieldwork in Public Affairs and Private Non-Profits**

This course is a participant-observation experience in which students work full-time for a governmental or nongovernmental (including voluntary, activist, and grassroots) organization or for a political campaign. Students may find placements in government and nonprofit organizations in which their work involves significant involvement with public issues. Examples include: town government offices; state or federal administrative offices (e.g., environmental agencies, housing authorities); interest groups that lobby government (e.g., ACLU, NRA); nonprofit organizations such as service providers or think tanks (e.g., Habitat for Humanity, Cato Institute); and grassroots, activist or community development organizations (e.g., Greenpeace or neighborhood associations). The instructors will work with each student to arrange a placement; such arrangements must be made in advance of the Winter Term. Students should first make their own contracts with an institution or agency. The instructors and members of the Political Science Department are available to help students find placements, if necessary. Each student's fieldwork mentor shall send a confirmation letter to the instructor verifying the placement and describing the nature of the work to be performed. During the session, students are responsible for keeping a journal of their experiences and observations. Additionally, students write final papers summarizing and reflecting upon the experience in light of assigned readings. A group meeting of all students will occur before winter study to prepare and after to discuss the experience.

**Grading:** pass/fail only

**Materials/Lab Fee:** cost of books

**Attributes:** EXPE Experiential Education Courses

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**PSCI 283  (S) Political Economy of Public Policy Issues**

In this course, students form groups that conduct a political and economic analysis of a public policy issue of their choosing. They do extensive reading, conduct interviews, write a major report on their findings and recommendations, and present and defend their findings in a public talk.

**Class Format:** student presentations

**Requirements/Evaluation:** group policy projects including an 80- to 100-page paper and 2-hour presentation

**Prerequisites:** POEC 253 or ECON 255, POEC 250, POEC 401; open only to Political Economy majors

**Enrollment Limit:** 19

**Enrollment Preferences:** open only to Political Economy majors

**Expected Class Size:** 19

**Grading:**

**Unit Notes:** required for the Political Economy major

**Distributions:** (D2)

**Attributes:** EXPE Experiential Education Courses  POEC Required Courses

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Not offered current academic year
Coastal communities are home to nearly 40% of the U.S. population, but occupy only a small percentage of our country's total land area. Intense population density, critical transportation infrastructure, significant economic productivity, and rich cultural and historic value mark our coastal regions as nationally significant. But, coastal and ocean-based climate-induced impacts such as sea level rise, ocean warming and acidification pose extraordinary challenges to our coastal communities, and are not borne equally by all communities. This seminar considers our relationship with our ocean and coastal environments and the foundational role our oceans and coasts play in our Nation's environmental and economic sustainability as well as ocean and coastal climate resiliency. Through the lens of coastal and ocean governance and policy-making, we critically examine conflict of use issues relative to climate change, climate justice, coastal zone management, fisheries, ocean and coastal pollution and marine biodiversity.

Class Format: This class is taught only at Williams-Mystic in Mystic, Connecticut and includes coastal and near-shore interdisciplinary field seminars, and 10 days offshore.

Requirements/Evaluation: Weekly Readings; Class Participation; Small and large group strategy exercises (written and oral); Written Research Project: issues paper and draft research paper; Final Research Project: multiple formats available

Prerequisites: none

Enrollment Limit: 23

Enrollment Preferences: must be enrolled at Williams-Mystic in Mystic, Connecticut

Expected Class Size: 22

Grading: no pass/fail option, no fifth course option

Unit Notes: must be enrolled at Williams-Mystic in Mystic, Connecticut

Distributions: (D2) (DPE) (WS)

This course is cross-listed and the prefixes carry the following divisional credit:

MAST 351 (D2) ENVI 351 (D2) PSCI 319 (D2)

Writing Skills Notes: Each student will write one 3-5 page research issues paper and one 8-10 page draft research paper as well as a final project with written components equaling 5-8 pages. Each submission receives written feedback from the professor, including research guidance, input on grammar, structure, language, analysis. Students also receive verbal feedback in individual conferences to discuss research paper organization, analysis, structure and grammar as well as final project input.

Difference, Power, and Equity Notes: Coastal and ocean policy issues relating to climate change, coastal zone management, fisheries, ocean pollution and marine biodiversity impact environmental and climate justice. Students examine coastal governance while considering the disproportionate burdens on underrepresented populations in U.S. coastal communities caused by climate change and coastal policies. Students analyze multi-disciplinary evidence and work to strengthen their integrative, analytical, writing, and advocacy skills.

Attributes: ENVI Environmental Policy EXPE Experiential Education Courses POEC Comparative POEC/Public Policy Courses

Fall 2021
SEM Section: 01  F 9:00 am - 12:00 pm  Catherine Robinson Hall

Spring 2022
SEM Section: 01  F 9:00 am - 12:00 pm  Catherine Robinson Hall

PSYC 21 (W) Psychology Internships

Would you like to explore applications of psychology in the “real world?” This course gives students an opportunity to work full-time during Winter Study in a mental health, business, education, law or another setting in which psychological theories and methods are applied to solve problems. Students are responsible for locating their own potential internships whether in the local area, their hometowns, or elsewhere, and are welcome to contact the course instructor for suggestions on how to do this. In any case, all students considering this course must consult with the instructor about the suitability of the internship being considered before the Winter Study registration period. Please prepare a brief description of the proposed placement, noting its relevance to psychology, and the name and contact information of the agency supervisor. Before Thanksgiving break, the student will provide a letter from the agency supervisor which describes the agency, and the student’s role and responsibilities during Winter Study. Enrolled students will meet the instructor before Winter Study to discuss matters relating to ethics and their goals for the course, and after Winter Study to discuss their experiences and reflections.
Requirements/Evaluation:  10-page minimum final paper summarizing the student's experiences and reflections, a journal kept throughout the experience, and the supervisor's evaluation
Prerequisites:  approval by Ken Savitsky is required
Enrollment Limit:  20
Enrollment Preferences:  random selection
Grading:  pass/fail only
Attributes:  EXPE Experiential Education Courses

Not offered current academic year

PSYC 352  (F)  Clinical and Community Psychology
This course provides an overview of theory, methods, and professional issues in the fields of clinical and community psychology (and related fields). In addition to academic work (primary source readings and class discussions), students are encouraged to apply their experiences in academic psychology to field settings, and to use their fieldwork experience to critically evaluate theory and research. The course includes a supervised field-work placement arranged by the instructor in a local mental health or social service agency. Students must complete a brief survey about their interests and schedule in order to place them in an agency. Students should email the instructor to obtain the survey as well as receive permission to register for this course.
Requirements/Evaluation:  field work (six hours per week), two 5-page position papers, and a 12- to 15-page final paper
Prerequisites:  PSYC 252
Enrollment Limit:  15
Enrollment Preferences:  senior, then junior, Psychology majors; you MUST have permission of instructor to register for this course
Expected Class Size:  15
Grading:  no pass/fail option,  no fifth course option
Distributions:  (D2)
Attributes:  EXPE Experiential Education Courses  PHLH Reproductive, Maternal and Child Health  PSYC Area 5 - Clinical Psychology

Not offered current academic year

PSYC 372  (F)  Advanced Seminar in Teaching and Learning
This advanced seminar will give students an opportunity to connect theory to practice. Each student will have a teaching placement in a local school, and participate in both peer and individual supervision. In addition, we will read a range of texts that examine different approaches to teaching, as well as theory and research on the process of education. What is the best way to teach? How do various theories of child development and teaching translate into everyday practices with students? Students will be encouraged to reflect on and modify their own teaching practices as a result of what we read as well as their supervision. Questions we will discuss include: What is the relationship between educational goals and curriculum development? What is the relationship between substance (knowledge, skills, content) and the interpersonal dynamic inherent in a classroom setting? How do we assess teaching practices and the students' learning? What does it take to be an educated person?
Requirements/Evaluation:  this course involves a field placement, weekly readings, as well as seminar discussion, supervision, and a graded journal
Prerequisites:  PSYC 232 or PSYC 272 or permission of instructor
Enrollment Limit:  16
Enrollment Preferences:  Psychology majors and those who plan to become teachers
Expected Class Size:  16
Grading:  no pass/fail option,  no fifth course option
Distributions:  (D2)
Attributes:  EXPE Experiential Education Courses  PSYC Area 7 - Educational Psychology  TEAC Teaching Sequence Courses

Not offered current academic year

REL 110  (S)  Religion in Everyday Life  (WS)
When studying religions, people generally turn to studying scriptures, the life and teachings of the religion's founder, and the fundamental doctrines of the religion. What this approach does not allow us to understand, however, is the way that such religious traditions actually manifest themselves in the world. This course introduces students to an alternative approach to studying religion, by exploring the way these religions are lived and experienced by individuals and communities in a variety of contexts. We will see how religion intersects with people's lived experiences of gender, race, class, sexuality, and broader socio-cultural and political contexts. We will explore this approach to religion through an engagement with ethnography (the qualitative research method in the social-sciences generally described as "participant-observation"). Students will not only learn about the theory and practice of this methodology, but will also conduct their own ethnographic research project over the course of the semester. This will involve: designing a feasible project and research question, selecting local research sites and subjects, taking field-notes and conducting interviews, and finally analyzing data and writing an ethnographic essay.

Class Format: Semester-long community-based field research. Regular in-class peer-review exercises.

Requirements/Evaluation: regular reading responses, semester-long research project with frequent small assignments building up to the final product (class presentation and approximately 10-page paper)

Prerequisites: none

Enrollment Limit: 15

Enrollment Preferences: first-year students and sophomores; students interested in Religious Studies

Expected Class Size: 10-12

Grading: yes pass/fail option, yes fifth course option

Distributions: (D2) (WS)

Writing Skills Notes: Students will learn a specific mode of qualitative/ethnographic writing through a semester-long field-based project. This involves many scaffolded assignments of field-based research and writing, for which they receive very regular feedback from the instructor, as well as extensive peer-review exercises. There will be a number of readings on writing style and technique, as well as class discussion and workshopping activities. The final essay will itself be developed in multiple steps.

Attributes: EXPE Experiential Education Courses

Spring 2022

SEM Section: 01 TR 9:55 am - 11:10 am Zaid Adhami

REL 228 (F)(S) Zen and the Art of American Literature

Cross-listings: ENGL 239 REL 228 AMST 238

Secondary Cross-listing

Just one hundred years ago, few Americans knew the first thing about Buddhism. But in 2021, who hasn’t heard of (or even tried) mindfulness or meditation? Buddhist ideas and practices now seem ubiquitous, available even in the form of smartphone apps like Headspace and Ten Percent Happier. In this class, we’ll explore how Buddhism came to be the profoundly important cultural force in American life that it is today. We’ll read some Buddhist American literary texts, like Ruth Ozeki’s wondrous novel, A Tale for the Time Being. And we’ll range far beyond the world of literature into other cultural domains in which Buddhism has had a deep impact, like environmentalism, psychotherapy, and Western attitudes towards death and dying. We’ll also give special attention to the role that Buddhism is playing in the struggle for racial justice (from bell hooks to Black Lives Matter). And we’ll engage in an experiential investigation of the benefits of incorporating contemplative practices like meditation into the classroom: students in the course will learn a variety of meditation techniques, and we’ll spend some time each class practicing and reflecting upon those practices. Students will be expected to meditate outside of class as well (2-3 times per week) and keep a meditation journal. No prior experience with meditation is necessary. Just an open mind.

Requirements/Evaluation: Since this is an experiential course, presence is essential and will be strictly required (so after two allowed absences, each subsequent absence will lower a student’s final course grade by 1/3 of a letter grade: A- to B+, for example). Other requirements: a weekly meditation journal, various informal in-class and take-home writing assignments, and a final 8- to 10-page essay.

Prerequisites: none

Enrollment Limit: 50

Enrollment Preferences: Students who preregister should fill out an expression of interest form at www.tinyurl.com/Engl239Fall2021 by May 20 (day after pre-reg closes). Preference will go to juniors and seniors, with a few seats saved for sophomores (10 max); no first years.

Expected Class Size: 50
Grading: yes pass/fail option, no fifth course option

Distributions: (D2)

This course is cross-listed and the prefixes carry the following divisional credit:
ENGL 239 (D1) REL 228 (D2) AMST 238 (D2)

Attributes: ENGL Literary Histories C EXPE Experiential Education Courses

Fall 2021
LEC Section: 01 MW 7:00 pm - 8:15 pm Bernard J. Rhie

SOC 236 (S) Making Things Visible: Adventures in Documentary Work

Cross-listings: SOC 236 AMST 236 ARTH 237 ENGL 237

Primary Cross-listing
Photography, like ethnography, is an art of looking carefully and taking notice. This course will explore the overlaps between documentary photography and field methods of social science, concentrating particularly on the genre in which the two intersect: the photo essay. The students will learn methods of visual narrative and storytelling, using techniques of interviewing, still photography, and video. Concurrently, we will explore a number of examples of investigative work that blend word and image. We will ask questions about the changing practices and expectations associated with the documentarian's role, and the evolving media in which such work can be presented. Lastly, we will discuss ethical questions that haunt documentary work, including issues of responsibility and politics of representation, as well as the perennial question of whether "objective representation" is even possible or desirable. Experience in photography and/or video is not required, but students will be expected to master basic technical skills in image acquisition and audio editing taught in a separate lab section. Students should also be prepared to interact extensively with people in the community and spend a significant time off campus doing fieldwork.

Requirements/Evaluation: full participation in discussions, weekly photographic assignments, a research journal, field materials, and an independent final project; in addition to substantial readings, students should be prepared to spend a significant time out of the classroom doing field work

Prerequisites: none

Enrollment Limit: 12

Enrollment Preferences: Anthropology and Sociology majors

Expected Class Size: 12

Grading: no pass/fail option, no fifth course option

Distributions: (D2)

This course is cross-listed and the prefixes carry the following divisional credit:
SOC 236 (D2) AMST 236 (D2) ARTH 237 (D1) ENGL 237 (D2)

Attributes: EXPE Experiential Education Courses FMST Related Courses

Not offered current academic year

SOC 240 (S) Performing Masculinity in Global Popular Culture (DPE)

Cross-listings: THEA 241 WGSS 240 SOC 240 AMST 241 LATS 241

Secondary Cross-listing
This course examines popular cultural contexts, asking what it means to be a man in contemporary societies. We focus on the manufacture and marketing of masculinity in advertising, fashion, TV/film, theater, popular music, and the shifting contours of masculinity in everyday life, asking: how does political economy change the ideal shape, appearance, and performance of men? How have products - ranging from beer to deodorant to cigarettes -- had their use value articulated in gendered ways? Why must masculinity be the purview of "males" at all; how can we change discourses to better include performances of female masculinities, butch-identified women, and trans* men? We will pay particular attention to racialized, queer, and subaltern masculinities. Some of our case studies include: the short half-life of the boy band in the US and in Asia (e.g., J/K-Pop), hip hop masculinities, and the curious blend of chastity and homoeroticism that constitutes masculinity in the contemporary vampire genre. Through these and other examples, we learn to recognize masculinity as a performance shaped by the political economy of a given culture.

Requirements/Evaluation: masculinity journal, mid-term essay exam, visual rhetorical analyses of pop culture images

Prerequisites: none
Enrollment Limit: 14

Enrollment Preferences: a short statement of interest will be solicited

Expected Class Size: 14

Grading: yes pass/fail option, yes fifth course option

Distributions: (D2) (DPE)

This course is cross-listed and the prefixes carry the following divisional credit:

THEA 241 (D2) WGSS 240 (D2) SOC 240 (D2) AMST 241 (D2) LATS 241 (D2)

Difference, Power, and Equity Notes: This course examines the construction of masculinity as it relates to intersecting identities such as race, sexuality, class, and global political economic considerations. Key to understanding masculinity are questions about the diversity of experiences of masculinity, cultural variations of gender norms, privilege, agency, patriarchy, heteronormativity, and interlocking systems of oppression.

Attributes: EXPE Experiential Education Courses FMST Related Courses LATS Comparative Race + Ethnic Studies Electives

Not offered current academic year

SPEC 19 (W) Healthcare Internships

Experience of a clinical environment is essential to making the decision to enter the health professions. Through this internship, students clarify their understanding of the rewards and challenges that accompany the practice of medicine (human and animal) and dentistry. Generally, a shadowing experience focuses on provider-patient interactions within out-patient and in-patient settings. These experiences provide students with the opportunity to observe clinical interactions, as well as to learn about the systems within which health care is delivered. Students will be introduced to fundamental concepts related to patient interviewing and history taking, diagnosis and medical decision making. Students will also be introduced to core concepts of population health, providing a broad perspective on health outcomes within a geographic region and expanding their perspective on the individual clinical interactions they observe. This course will encourage participants to reflect on their clinical experiences with a dual focus - from the perspective of the individual provider-patient relationship and within a systems-level context. Didactic sessions for (on-campus students) will focus on the challenges and experiences of healthcare professionals in the Berkshires or nationally. Students will be introduced to concepts of health and wellness, epigenetics, and environmental influences that have a demonstrable, sustained impact on individuals before and after clinical symptoms of illness emerge. By the end of the course, students will demonstrate greater understanding of the fundamentals of patient-provider interactions, clinical diagnosis, patient interviewing, and factors affecting the health of individuals and communities.

Requirements/Evaluation: 10-page paper

Prerequisites: not open to first-years

Enrollment Preferences: grade level and potential as applicant to professional programs

Grading: pass/fail only

Attributes: EXPE Experiential Education Courses

Not offered current academic year

SPEC 21 (W) Experience in the Workplace; an Internship with Williams Alumni/Parents

Field experience is a critical component of the decision to enter a profession. Through these field placements, students can clarify their understanding of the rewards and challenges that accompany the practice of many different aspects within a profession, and understand the psychology of the workplace. In order to participate in this course, students must apply to the winter study internships listed in this syllabus. The expectation is that each student will observe and participate in some aspect of the profession for at least 30 hours per week, 6 hours per day for 5 days each week. It is also expected that the instructor will assign a specific project to be completed within the 3-4 week duration of the course depending upon appropriateness. Participation in this winter study will require the student to quickly assess the work environment, make inferences about corporate culture, performance norms and expectations, and to take initiative not only to learn from this experience, but also to contribute where and when appropriate. Understanding the dynamics within a work environment is critical to success in any organization, and this hands-on experience will illuminate lessons learned in the classroom. Upon completion of the winter study, it is expected that the student write a thorough report evaluating and interpreting the experience.

Teaching Associates: Williams College Alumni/Parents will be recruited to become teaching associates for this course. A broad range of professions will be represented as the course develops. Alumni and parents will receive individual orientations with the course instructor in person or via telephone conference. Students will be required to read one of two books selected for this course. Bibliography: a bibliography of readings would be selected from such works as: What Should I do with My Life? by Po Bronson, 2003; Working by Studs Terkel, 2004.

Requirements/Evaluation: it is expected that students will complete assigned readings (read one of two books assigned to this course), write a daily
journal, and write a 5- to 7-page expository review; evaluation will become public record as a resource for other students.

**Prerequisites:** interested students must attend an information meeting in late September or early October and follow up with Dawn Dellea if students have questions about specific WS internships listed in the SPEC 21 syllabus; application are submitted via Handshake.

**Enrollment Preferences:** 1st priority--students applying for winter study internships listed in the SPEC 21 syllabus; 2nd priority--students developing independent Internships with Williams alumni/parents; first-years limited to applying for local internships.

**Grading:** pass/fail only.

**Materials/Lab Fee:** cost of books

**Attributes:** EXPE Experiential Education Courses

**Not offered current academic year**

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**SPEC 24 (W) Class of 1959 Teach NYC Urban Education Program**

Students in this course learn about the front-line challenges of urban public education by working in one of New York City’s public schools. Participants will be expected to pursue a full day's program of observing, teaching, tutoring and mentoring in their choice of more than 20 different school situations from elementary through high school. Each of the participating schools will have a resident supervisor who will meet with the January interns to arrange individual schedules and provide mentoring during the month. There will be weekly seminar meetings of all the interns who are expected to participate in group discussions, keep a journal and write a 5 page paper reflecting upon their experience. The course will conduct orientation meetings with students prior to January, matching each student's interest with appropriate teaching subject areas and a host school. Dormitory-style housing will be provided along with some assistance with transportation and food costs-estimated at $400 for the term. Further assistance is available for financial aid students. Adjunct Instructor Bio: Tracy Finnegan is a master's level teacher with training and teaching experience in a variety of approaches and settings.

**Class Format:** wsp internship

**Requirements/Evaluation:** Evaluation will be based on a journal and a 5-page paper

**Prerequisites:** prerequisites: Sophomore, Junior or Senior standing; not open to first-year students

**Enrollment Limit:** 12

**Enrollment Preferences:** statement of interest

**Grading:** pass/fail only

**Materials/Lab Fee:** $400

**Attributes:** EXPE Experiential Education Courses

**Not offered current academic year**

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**STS 250 (F) Environmental Justice (DPE)**

**Cross-listings:** STS 250  ENVI 250

**Secondary Cross-listing**

How are local and global environmental problems distributed unevenly according to race, gender, and class? What are the historical, social and economic structures that create unequal exposures to environmental risks and benefits? And how does inequity shape the construction and distribution of environmental knowledge? These are some of the questions we will take up in this course, which will be reading and discussion intensive. Through readings, discussions, and case studies, we will explore EJ in both senses. Potential topics include: toxics exposure, food justice, urban planning, e-waste, unnatural hazards, nuclearism in the U.S. West, natural resources and war, and climate refugees. Occasionally, community leaders, organizers, academics, and government officials will join the class to discuss current issues.

**Requirements/Evaluation:** several short essays, final essay

**Prerequisites:** ENVI 101 or permission of the instructor

**Enrollment Limit:** 12

**Enrollment Preferences:** juniors, seniors

**Expected Class Size:** 10

**Grading:** no pass/fail option, no fifth course option

**Distributions:** (D2) (DPE)

This course is cross-listed and the prefixes carry the following divisional credit:
**Difference, Power, and Equity Notes:** This course will explore how unequal power leads to environmental injustice. Specifically, we will analyze how local and global environmental problems are distributed unevenly according to race, gender, and class. This is a service-based learning course, and students will hone skills to address environmental injustices.

**Attributes:** ENVI Humanities, Arts + Social Science Electives EVST Culture/Humanities EXPE Experiential Education Courses GBST Economic Development Studies Electives JLST Interdepartmental Electives

Fall 2021

SEM Section: 01    W 1:10 pm - 3:50 pm     Laura J. Martin

**STS 370 (F) Medicine and Campus Health in Disruptive Times (DPE) (WS)**

**Cross-listings:** STS 370  WGSS 371  ANTH 371

**Secondary Cross-listing**

This class applies the methods and theories of critical medical anthropology and medical sociology to help students design and pursue innovative ethnographic projects that explore campus or community health. How do disruptive moments like COVID-19 serve as focal moments in social history that reveal underlying social inequalities of access, health outcomes, and well-being? Students learn and use an array of ethnographic techniques such as observer participation, interviewing, focus groups, and qualitative surveys building on weekly discussions, feedback, and design exercises to explore our campus and/or wider community. We situate our campus health projects by considering the wider context of power and intersectionality that inflict and structure health and well-being within our community, nation, & world. Our case ethnographies explore how structural racism shapes medical education and healthcare care in the US, how concepts of sexual citizenship can reshape debates on sexual assault on campus, how the spread of US psychiatry inflects the landscape of global mental health across Asia, and how queer activism responds to the HIV/AIDS crisis. We consider the roles of narrative, active listening, and empathy in both medicine and ethnography, while practicing skills that can benefit student researchers and interlocutors, providers as well as patients. Our goal is understand the strengths and limits of qualitative and participatory research within communities always already structured by power, privilege, and engaged practices.

**Requirements/Evaluation:** Three written fieldnotes, weekly attendance, writing and discussion exercises, & final oral presentations & data visualizations for fieldwork projects.

**Prerequisites:** A course in Anthropology, Sociology, Science & Technology Studies, or across DIV II is strongly recommended

**Enrollment Limit:** 20

**Enrollment Preferences:** Majors in Anthropology, Sociology, Women's, Gender and Sexuality Studies; Concentrators in Public Health, Science and Technology Studies

**Expected Class Size:** 20

**Grading:** yes pass/fail option, no fifth course option

**Distributions:** (D2) (DPE) (WS)

This course is cross-listed and the prefixes carry the following divisional credit:

STS 370 (D2) WGSS 371 (D2) ANTH 371 (D2)

**Writing Skills Notes:** This class assignments includes over 9,000 words of essay assignments, and will help students develop critical writing skills, including use of rhetoric, evidence, argument, synthesizing data, logic, and anticipating counter-arguments.

**Difference, Power, and Equity Notes:** This class examines the intersectionality of race, class, gender, & sexuality in impacting healthcare and health outcomes. It theorizes and explores the ways that intersectionality and implicit bias shapes health and well-being in the community, patient/provider encounters, and efforts to 'improve' community and individual health in the US, Asia, and across the globe.

**Attributes:** EXPE Experiential Education Courses PHLH Methods in Public Health

Fall 2021

SEM Section: 01    W 1:10 pm - 3:50 pm     Kim Gutschow

SEM Section: 02    Cancelled
THEA 241  (S) Performing Masculinity in Global Popular Culture  (DPE)

Cross-listings:  THEA 241  WGSS 240  SOC 240  AMST 241  LATS 241

Secondary Cross-listing

This course examines popular cultural contexts, asking what it means to be a man in contemporary societies. We focus on the manufacture and marketing of masculinity in advertising, fashion, TV/film, theater, popular music, and the shifting contours of masculinity in everyday life, asking: how does political economy change the ideal shape, appearance, and performance of men? How have products - ranging from beer to deodorant to cigarettes -- had their use value articulated in gendered ways? Why must masculinity be the purview of "males" at all; how can we change discourses to better include performances of female masculinities, butch-identified women, and trans* men? We will pay particular attention to racialized, queer, and subaltern masculinities. Some of our case studies include: the short half-life of the boy band in the US and in Asia (e.g., J/K-Pop), hip hop masculinities, and the curious blend of chastity and homoeroticism that constitutes masculinity in the contemporary vampire genre. Through these and other examples, we learn to recognize masculinity as a performance shaped by the political economy of a given culture.

Requirements/Evaluation:  masculinity journal, mid-term essay exam, visual rhetorical analyses of pop culture images

Prerequisites:  none

Enrollment Limit:  14

Enrollment Preferences:  a short statement of interest will be solicited

Expected Class Size:  14

Grading:  yes pass/fail option,  yes fifth course option

Distributions:  (D2)  (DPE)

This course is cross-listed and the prefixes carry the following divisional credit:

THEA 241  (D2) WGSS 240  (D2) SOC 240  (D2) AMST 241  (D2) LATS 241  (D2)

Difference, Power, and Equity Notes:  This course examines the construction of masculinity as it relates to intersecting identities such as race, sexuality, class, and global political economic considerations. Key to understanding masculinity are questions about the diversity of experiences of masculinity, cultural variations of gender norms, privilege, agency, patriarchy, heteronormativity, and interlocking systems of oppression.

Attributes:  EXPE Experiential Education Courses  FMST Related Courses  LATS Comparative Race + Ethnic Studies Electives

Not offered current academic year

THEA 330  (S) New Orleans as Muse: Literature, Music, Art, Film and Theatre in the City

Cross-listings:  AMST 331  THEA 330  COMP 330

Primary Cross-listing

This course will look at the representation of a city and how it has influenced artists. Students will read, listen to, and view a selection of the literature, music, film and art that represent the city from both pre-flooding and current re-building. Reading selections will include examples such as Harper's Weekly (Lafrcadio Hearn), The Awakening (Kate Chopin), A Streetcar Named Desire (Tennessee Williams), The Moviegoer (Walker Percy), Why New Orleans Matters (Tom Piazza), A Confederacy of Dunces (John Kennedy O'Toole), New Orleans Sketches (William Faulkner), One Dead in the Attic (Chris Rose). Film examples such as A Streetcar Named Desire, An Interview with a Vampire, The Curious Case of Benjamin Button, When the Levees Broke, Treme, Waiting for Godot (in the 9th Ward). Music selections from examples such as Louis Moreau Gottschalk, Jelly Roll Morton, Louis Armstrong, Fats Domino, The Meters, Kermit Ruffins and the Rebirth Brass Band. Art selections will come from a variety of sources such as THE OGDEN Museum of Southern Art and Prospect 1, 2, & 3.

Requirements/Evaluation:  will be on active participation, weekly response essays on film viewings, 2 short essays on class topics, a final paper and a contemporary creative project/performance

Prerequisites:  none

Enrollment Limit:  12

Expected Class Size:  10

Grading:  yes pass/fail option,  yes fifth course option

Distributions:  (D1)

This course is cross-listed and the prefixes carry the following divisional credit:

AMST 331  (D1) THEA 330  (D1) COMP 330  (D1)

Attributes:  AMST Arts in Context Electives  AMST Space and Place Electives  EXPE Experiential Education Courses  FMST Related Courses
THEA 335 (F) The Culture of Carnival

Cross-listings: COMP 338  THEA 335

Primary Cross-listing

Carnival is a regenerative festival as well as a transgressive one. It is a time for upheavals and recreating for one day, a new world order. Men dress as women, women dress as men, the poor become kings; drink and sex and outrageous behavior is sanctioned. We will look at festivals in such places as New Orleans, Venice, and Rio. Central to this course are the cultural and religious lives of these societies, and how these festivals exist politically in a modern world as theatre and adult play. A variety of sources will be used, such as newspaper accounts, films, photography, personal memoirs and essays on the subject.

Requirements/Evaluation: regular active class participation, one oral presentation including a 5-page essay, one 15-page research final paper and participation in a group project/public parade

Prerequisites: none

Enrollment Limit: 20

Enrollment Preferences: sophomores and first-year students

Expected Class Size: 18

Grading: yes pass/fail option, yes fifth course option

Distributions: (D1)

This course is cross-listed and the prefixes carry the following divisional credit:

COMP 338 (D1) THEA 335 (D1)

Attributes: EXPE Experiential Education Courses

Not offered current academic year

THEA 385 (S) The Sculptural Costume and It’s Performance Potential

Cross-listings: THEA 385  ARTS 385

Secondary Cross-listing

A team-taught studio art / theatre course designed to explore the rich territory of the wearable sculpture and its generative role in art and performance. From ritual costumes, to Carnival, to Dada performance, to Bauhaus dance, to Helio Oiticica’s Parangole, and Nick Cave’s sound-suits, there has been a rich tradition where sculpture and costumes merge. Students will study artists who have bridged distinctions between the theatrical costume and the sculptural object as well as produce hybrid objects that explore the range of possibilities within this collaborative practice. The students will produce object-costumes involving a wide variety of media, from recycled materials to new technologies, while striving to develop their individual artistic voices.

Requirements/Evaluation: the quality of work produced, the depth and quality of the content and process, participation in critiques, and attendance

Prerequisites: successful completion of any 200-level course in art studio or performing arts, or permission of the instructor

Enrollment Limit: 14

Enrollment Preferences: Art and Theater majors

Expected Class Size: 12

Grading: no pass/fail option, no fifth course option

Materials/Lab Fee: $125

Distributions: (D1)

This course is cross-listed and the prefixes carry the following divisional credit:

THEA 385 (D1) ARTS 385 (D1)

Attributes: EXPE Experiential Education Courses

Not offered current academic year

WGSS 113 (F) The Feminist Poetry Movement (DPE) (WS)
Secondary Cross-listing

Feminist poetry and feminist politics were so integrated in the 1960s and 1970s in America that critical essays on poets, such as Adrienne Rich and Audre Lorde, appeared in the same handbook that listed such resources for women as rape crisis centers and health clinics. This course will map the crucial alliance between feminist politics (and its major cultural and political gains) and the feminist poetry movement that became a major "tool" for building, organizing, and theorizing second-wave feminism. In order to track this political and poetic revolution, we will take an interdisciplinary approach that brings together historical, critical, and literary documents (including archival ones) and visual products (through the Object Lab of the Williams College Art Museum) that recreate the rich context of the period and help us consider the important social nature of aesthetic production. At the center of the course will be writings of major poets of the period, as well as anthologies and feminist periodicals that published their work and created a significant forum and shared space for women to articulate the politics and poetics of change. These periodicals and anthologies will also help us track the diversity of the feminist poetry movement and its intersection with issues of race, class, ethnicity, and sexuality. Ultimately, we will want to consider how poetry serves as an important tool for thinking through questions of power and injustice and what role it plays in creating necessary imaginative space in the world for expression, critique, and change.

Class Format: discussion, some lecture, project work in archives and art gallery

Requirements/Evaluation: three analysis papers (4-5 pages), creative (1-2 pages), discussion posts (5 pages), curated final project (archival exhibit with 7-page paper), presentations

Prerequisites: none

Enrollment Limit: 19

Enrollment Preferences: first years

Expected Class Size: 19

Grading: yes pass/fail option, yes fifth course option

Distributions: (D2) (DPE) (WS)

This course is cross-listed and the prefixes carry the following divisional credit:
ENGL 113 (D1) AMST 113 (D2) WGSS 113 (D2)

Writing Skills Notes: Writing skills taught through a series of assignments evenly spaced throughout the semester: weekly p/f discussion posts, three four-to-five-page graded papers, one creative assignment, and a final digital research project (10-page equivalent; peer reviewed). Students receive critical feedback on written assignments a week prior to due date through conferences and Google Docs and on final graded assignments within one week with sufficient time between assignments to improve the next assignment.

Difference, Power, and Equity Notes: The course examines the effects of class, race, ethnicity, gender, and sexuality on both poetry and the movement and how women negotiated their differences within the movement, as well as in response to the dominant patriarchal culture. This course employs critical tools (feminist theory, archival research, poetics, close reading, comparative approaches) to help students question and articulate the social injustices that led to the poetry and poetics of the Women's Liberation Movement.

Attributes: AMST Critical and Cultural Theory Electives ENGL Criticism Courses EXPE Experiential Education Courses WGSS Racial Sexual + Cultural Diversity Courses WGSS Theory Courses
masculinities, and the curious blend of chastity and homoeroticism that constitutes masculinity in the contemporary vampire genre. Through these and other examples, we learn to recognize masculinity as a performance shaped by the political economy of a given culture.

Requirements/Evaluation: masculinity journal, mid-term essay exam, visual rhetorical analyses of pop culture images

Prerequisites: none

Enrollment Limit: 14

Enrollment Preferences: a short statement of interest will be solicited

Expected Class Size: 14

Grading: yes pass/fail option, yes fifth course option

Distributions: (D2) (DPE)

This course is cross-listed and the prefixes carry the following divisional credit:

THEA 241 (D2) WGSS 240 (D2) SOC 240 (D2) AMST 241 (D2) LATS 241 (D2)

Difference, Power, and Equity Notes: This course examines the construction of masculinity as it relates to intersecting identities such as race, sexuality, class, and global political economic considerations. Key to understanding masculinity are questions about the diversity of experiences of masculinity, cultural variations of gender norms, privilege, agency, patriarchy, heteronormativity, and interlocking systems of oppression.

Attributes: EXPE Experiential Education Courses FMST Related Courses LATS Comparative Race + Ethnic Studies Electives

Not offered current academic year

WGSS 371 (F) Medicine and Campus Health in Disruptive Times (DPE) (WS)

Cross-listings: STS 370  WGSS 371  ANTH 371

Secondary Cross-listing

This class applies the methods and theories of critical medical anthropology and medical sociology to help students design and pursue innovative ethnographic projects that explore campus or community health. How do disruptive moments like COVID-19 serve as focal moments in social history that reveal underlying social inequalities of access, health outcomes, and well-being? Students learn and use an array of ethnographic techniques such as observant participation, interviewing, focus groups, and qualitative surveys building on weekly discussions, feedback, and design exercises to explore our campus and/or wider community. We situate our campus health projects by considering the wider context of power and intersectionality that inflect and structure health and well-being within our community, nation, & world. Our case ethnographies explore how structural racism shapes medical education and healthcare care in the US, how concepts of sexual citizenship can reshape debates on sexual assault on campus, how the spread of US psychiatry inflects the landscape of global mental health across Asia, and how queer activism responds to the HIV/AIDS crisis. We consider the roles of narrative, active listening, and empathy in both medicine and ethnography, while practicing skills that can benefit student researchers and interlocutors, providers as well as patients. Our goal is understand the strengths and limits of qualitative and participatory research within communities always already structured by power, privilege, and engaged practices.

Requirements/Evaluation: Three written fieldnotes, weekly attendance, writing and discussion exercises, & final oral presentations & data visualizations for fieldwork projects.

Prerequisites: A course in Anthropology, Sociology, Science & Technology Studies, or across DIV II is strongly recommended

Enrollment Limit: 20

Enrollment Preferences: Majors in Anthropology, Sociology, Women's, Gender and Sexuality Studies; Concentrators in Public Health, Science and Technology Studies

Expected Class Size: 20

Grading: yes pass/fail option, no fifth course option

Distributions: (D2) (DPE) (WS)

This course is cross-listed and the prefixes carry the following divisional credit:

STS 370 (D2) WGSS 371 (D2) ANTH 371 (D2)

Writing Skills Notes: This class assignments includes over 9,000 words of essay assignments, and will help students develop critical writing skills, including use of rhetoric, evidence, argument, synthesizing data, logic, and anticipating counter-arguments.

Difference, Power, and Equity Notes: This class examines the intersectionality of race, class, gender, & sexuality in impacting healthcare and health outcomes. It theorizes and explores the ways that intersectionality and implicit bias shapes health and well-being in the community, patient/provider encounters, and efforts to 'improve' community and individual health in the US, Asia, and across the globe.
Attributes: EXPE Experiential Education Courses  PHLH Methods in Public Health

Fall 2021

SEM Section: 01  W 1:10 pm - 3:50 pm  Kim Gutschow

SEM Section: 02  Cancelled