

PROPOSED NEW COURSES
ARTS & SCIENCES FACULTY MEETING
October 17, 2012

Graduate Academic Affairs Committee

Proposed new courses

GRS BI 697 & GRS MB 697: A Bridge to Knowledge: A Practical Seminar for First-Year Graduate Students in Biology

Instructor: Kathryn Spilios

1 credit

Prerequisites: first-year MA or PhD students in Biology or MCBB, or first-time teaching fellows in Biology or MCBB

A seminar for first-year biology and MCBB graduate students. Basic pedagogical theory and professional development topics are covered. The course is intended to help students become effective teachers and members of the graduate community.

GRS WS 801: Theories and Methods in Women's, Gender, & Sexuality Studies

Instructor: Carrie Preston and other WGS faculty

4 credits

Prerequisites: none

Exploring the variety of theories and methods in the interdisciplinary fields of women's, gender, and sexuality studies, this seminar is required for the WGS Graduate Certificate. Readings from the humanities, social sciences, and natural sciences address questions of identity and epistemology.

Humanities Curriculum Committee

Proposed new courses

CAS AH 587: Green Design

Instructor: Keith N. Morgan

4 credits

Prerequisites: junior, senior, or graduate standing

This seminar explores the historical context for issues of sustainability and green architecture from the eighteenth century to the present, charted through questions of landscape theory, public park making, suburbanization, adaptive re-use, and new materials and methods of construction.

CAS CL 306: Entheogens, Myth, and Human Consciousness

Instructor: Carl Ruck

4 credits

Prerequisites: CAS CL 213 or consent of instructor

An examination of the role of entheogens (psychoactive substances, especially fungi, used for religious purposes) in humankind's attempts to understand realms beyond the physical, as reflected in Greco-Roman religions and in various mythologies and folklores, and as represented in art and literature from antiquity through the Renaissance.

CAS LH 340: Israeli Culture through Media

Instructor: Hebrew Staff

4 credits

Prerequisites: CAS LH 212 or equivalent

An advanced Hebrew language course, which uses as its “textbook” Israeli newspapers, television, and online news media. Students follow current events in Israel (politics, business, sports, etc.); compare coverage in diverse outlets; speak and write knowledgeably about Israeli society.

CAS ME 101: Issues in Middle East Studies

Instructor: Director of Middle East Studies Program

1 credit

Prerequisites: enrollment in the Middle East Studies major

Mini-seminar to analyze and integrate students’ coursework for the Middle East Studies major. Student presentations on relevant outside coursework, reading of foundational short works to introduce competing approaches to Middle East studies. Required of all Middle East Studies majors.

CAS PH 439 / GRS PH 639: Philosophy of Emotion

Instructor: Charles Griswold

4 credits

Prerequisites for CAS PH 439: junior or senior standing and three philosophy courses

Addresses questions about the nature of the emotions, including their cognitive dimensions; the distinction between moods, feelings, and emotions; their cultural variation; and their relation to reason, ethics, and to the pursuit of the good life. Cannot be taken for credit in addition to the course by the same name that is numbered CAS PH 239.

CAS RN 208: Sacred and Secular Power in Christianity and Islam

Instructor: Phillip Haberkern

4 credits

Prerequisites: none

Explores the relationship between sacred and secular power within the Christian and Islamic traditions, with a focus on how their foundational texts and earliest communities established models for negotiating the porous boundary between the sacred and the secular. Also offered as CAS HI 213.

CAS RN 209: Religion, Health, and Medicine

Instructor: Anthony Petro

4 credits

Prerequisites: none

How religious and moral narratives inform approaches to biomedicine from the nineteenth century to the present, including understandings of disease, illness, health, sexuality, and the body. Topics include medicine and prayer, alternative medicine, and boundaries between medicine and religion.

CAS RN 327 E: Jews and Christians in Italy: A Historical Perspective

Instructor: Gadi Luzzatto Voghera

4 credits

Prerequisites: enrollment in the Padua Language & Liberal Arts Program

A social history of the relationship between the Jewish and Christian communities in Italy, from early modern times to today. Fosters an understanding of this relationship in cultural, economic, social, and religious contexts. Includes site visits. Taught in Italian.

CAS RN 390 / GRS RN 690: Archaeology in the Holy Land

Instructor: Andrea M. Berlin

4 credits

Prerequisites for RN 390: sophomore, junior, or senior standing

In Israel, archaeology is part of current events. The study of remains from the Israelite to the Muslim conquests (c. 1200 BCE – 640 CE) to learn how material evidence created and still plays a role in a larger historical drama. Also offered as CAS AR 342 / GRS AR 742.

Natural Sciences Curriculum Committee**Proposed new courses****CAS CH 303: Instrumental Analysis Laboratory**

Instructor: Rosina Georgiadis

4 credits

Prerequisites: CAS CH 109/CH 110, or CH 111/CH 112, or CH 101/CH 102/CH 201; and CAS MA 124

Corequisite: CAS PY 212

Principles and application of modern analytical methods including spectrophotometry, electrochemistry, mass spectrometry, GCMS, UPLC, AAS, DSC with emphasis on good laboratory practices, advanced data analysis software, statistics, regression, report writing. Six hours lab and two hours lecture.

CAS NE 444: Neuroethology

Instructor: Tim Gardner and Mario Muscedere

4 credits

Prerequisites: CAS BI 325 or NE 203, or consent of instructor.

Specialized natural behaviors reveal general principles of systems neuroscience. Examples include vocal learning in songbirds, sensory-motor integration in bats, and pattern generators in lobsters. Three hours lecture and literature discussion; three hours laboratory, including microchip programming and neural recordings. Also offered as CAS BI 444.

GRS PY 745: Experimental Surface Physics and Chemistry

Instructor: Kevin Smith

4 credits

Prerequisites: CAS PY 543 or consent of instructor

Introduction to the principles and experimental techniques of surface and interface physics and chemistry. Electronic, structural, vibrational, and magnetic properties of solid surfaces and interfaces. Emphasis on how these properties are measured. Also vacuum technology and x-ray generation.

Social Sciences Curriculum Committee**Proposed new courses**

CAS AR 201: Americas Before Columbus

Instructor: David Carballo, Michael Danti, William Saturno

4 credits

Prerequisites: none

An introduction to the archaeology and civilizations of the pre-Columbian Americas. Topics progress chronologically as well as comparatively, with cases drawn from Native American cultures of the North America, Mesoamerica, and South America.

CAS AR 510: Proposal Writing for Social Science Research

Instructor: John Marston

4 credits

Prerequisites for undergraduate students: admission to AR or AN Honors Program or advanced undergraduate standing with consent of instructor

Prerequisites for graduate students: graduate student standing in the social sciences or humanities

The purpose of this course is to turn students' intellectual interests into answerable, field-based research questions. The goal is the production of a project proposal for future research. Also offered as CAS AN 510.

CAS GE 560: Energy Transitions

Instructor: Cutler Cleveland

4 credits

Prerequisites: CAS GE 309 (can be taken concurrently) or graduate standing

Survey of energy transitions including animal power to wood to coal to petroleum to electricity; analysis of socioeconomic, political, technological, and environmental causes of energy transitions and future energy transitions resulting from fossil fuel depletion, climate change, and sustainable development.

CAS HI 213: Sacred and Secular Power in Christianity and Islam

Instructor: Phillip Haberkern

4 credits

Prerequisites: none

Explores the relationship between sacred and secular power within the Christian and Islamic traditions, with a focus on how their foundational texts and earliest communities established models for negotiating the porous boundary between the sacred and the secular. Also offered as CAS RN 208.

CAS IR 505: Arms Control and Proliferation of Weapons

Instructor: Paul Hare

4 credits

Prerequisites: none

Arms control and disarmament in modern diplomacy. International agreements. Global control and dangers of proliferation of nuclear, chemical, and biological weapons. Impact of terrorism. Small arms and conflict. New ideas in global arms control.

CAS MR 510: Marine Science Policy, Resource Management, and Public Debate

Instructor: Jennifer Bender

4 credits

Prerequisites: enrollment in Marine Semester

This course addresses how scientists can target their research toward policy needs and then effectively communicate to the public and policy makers so that science might inform public policy. Taught during the Marine Semester.

CAS PO 542: Immigration: Politics and Policy

Instructor: Sofia Perez

4 credits

Prerequisites: junior standing or consent of instructor

Immigration has become a subject of much debate and controversy in democratic polities. This course explores the politics, economics, and social consequences of immigration policies across a number of countries, including European states and the United States.

CAS PS 550: Childhood Adversity: Risk and Resilience

Instructor: Amanda Tarullo (Carrillo)

4 credits

Prerequisites: CAS PS 241 or PS 243

Consideration of why some children overcome adversity while others have maladaptive outcomes. Concepts of risk and resilience are applied to contexts of childhood adversity: poverty, maltreatment, homelessness, orphanages, and natural disasters. Discussion of implications for prevention, intervention, and policy.

CAS SO 243: Immigrant Communities

Instructor: David Carballo, Michael Danti, William Saturno

4 credits

Prerequisites: none

Introduction to sociology of immigrant communities with a focus on the contemporary US. Students gain an understanding of how immigrant communities develop, the different forms they take, and how they shape the social and economic adaptations of varied immigrant groups.