# A&S Curriculum Changes Fall 2012 (Effective Fall 2013)

## African-American Studies

**ADD**

- **AAS 6999 Directed Readings 1.0-9.0**
  
  AAS 6999: Directed Readings. A student must have a GPA of 3.0 to be eligible for directed readings.

## Anthropology

**ADD**

- **ANTH 2040 Introduction to Linguistic Anthropology 3.0**
  
  ANTH 2040: Introduction to Linguistic Anthropology
  
  Prerequisites: None
  
  Summary of course activities/topics: Linguistic anthropology is broadly understood as the study of language as a part of culture. This course shows how language constitutes social action. Language is much more than a transparent medium for communicating ideas. Rather, the way we speak can have profound implications in terms of community membership, social exclusion, economic opportunity, identity, and the way we view and understand the world. This course will cover the complexity of human languages and the significance of linguistic and cultural difference.

## Applied Linguistics

**ADD**

- **AL 8410 International Internship 1.0-6.0**
  
  AL 8410 International Internship. Prerequisite: One full semester of graduate work in the Department of Applied Linguistics and approval from a faculty member. This course provides an opportunity for graduate students in applied linguistics to participate in international activities under the supervision of a GSU faculty member. Students will gain occupational skills through hands-on experience and apply second language acquisition theory and pedagogical training to real-world situations. Students will also learn experientially about intercultural communication. These credit hours are in addition to other requirements of the MA Degree.
• AL 2021 INTRO TO ENGLISH LINGUISTICS 3.0
AL 2021 Introduction to English Linguistics. A brief survey of major topics in the linguistics of English, including word, sentence and text structure, the history of English, and variation in English usage.

CHANGE

• AL 3021 INTRO TO LINGUISTICS (Change prerequisite)
  Prerequisite: AL 2021 with a grade of C or better, or a suitable score on the departmental placement test.

• AL 3031 LANGUATE IN SOCIETY-CTW (Change prerequisite)
  Prerequisite: Completion of 60 hours of credit, and AL 2021, AL 2101/ForL 2101, or AL 3021/ForL 3021 with grade of C or higher, or departmental consent.

• AL 3051 TEACHING EFL I (Change prerequisite)
  Prerequisite/Corequisite: AL 3021 must be taken before or concurrently with this course.

• AL 3101 ENGLISH GRAMMAR IN USE (Change prerequisite)
  Prerequisite: AL 2021 with a grade of C or better, or a suitable score on the departmental placement test.

• AL 4151 COMM ACROSS CULTURES-CTW (Change prerequisites)
  Prerequisite: Completion of 90 credit hours, AL 3021 or ForL 3021 with grade of C or higher, AL 3031 with grade of C or higher, or departmental consent.

ART & DESIGN

ADD

• AE 4600/6600 ART ED PRACT 1.0-4.0
  AE 4600/6600 Art Education Practicum. Prerequisites: AE 4200, completed with B- or better; 2.5 overall GPA with 3.0 GPA in art courses; passed GACE test or equivalent. Cross-listed with AE 6600. 16 hours per week of observations in the school setting with bi-weekly seminars (240 hours of observation per semester). This course is intended for undergraduate certification Art Education majors.
• PHOT 3020 PHOT 1 FOR NON-PHOT MAJORS 3.0
PHOT 3020 Photo 1 for Non-Photo Majors Pre-requisites: Two of the four studio foundation courses with minimum grade of C and one of the four art history foundation courses, all with minimum grade of C Cross-listed with PHOT 6025 Essentials of DSLR camera in context of contemporary photographic practice. Target students are non-photo studio art majors.

• PHOT 6025 PHOT 1 FOR NON-PHOT MAJOR GRADS 3.0
PHOT 6025 Photo 1 for Non-Photo Major. Cross-listed with PHOT 3020 Essentials of DSLR camera in context of contemporary photographic. Target students are non-photo studio art major grads.

CHANGE

• DPP 3600 DRAWING RESEARCH (Change description)
Description: Drawing Research. Prerequisite: DPP 3000 with grade of C or higher. Traditional as well as experimental investigations in drawing. May be repeated for a maximum of eight credit hours. Lab Fee: $20.00.

• TEXT 3700 HEAT TRANSFER PRINTING (Change prerequisite)
Prerequisite: TEXT 3000 and TEXT 3100 with grades of C or higher, or approval of instructor.

• PHOT 3900 SELECTED TOPICS IN PHOTOGRAPHY (Change description)
Description: PHOT 3900 - SELECTED TOPICS IN PHOTOGRAPHY Selected Topics in Photography. Prerequisite: consent of instructor. Special topics for studio art majors. May be repeated for a maximum of eight credit hours. Lab Fee: $20.00. 4.000 Credit hours

• PHOT 4980 SPECIAL PROBLEMS (Change description)
Description: PHOT 4980 - SPECIAL PROBLEMS Special Problems. Prerequisite: consent of instructor or of School director. Independent studies initiated by the student. May be repeated for a maximum of nine credit hours if topic varies. 3.000 Credit hours

BIOLOGY

CHANGE

• BIOL 4011/6011 PRINCIPLES OF PALEONTOLOGY (Change description)
Description: Principles of Paleontology. (Same as Geol 4011.) Prerequisite: Geol 1122K with grade of C or higher, or consent of instructor. Three lecture and three laboratory hours a week. An introduction to the principles of paleontology including taphonomy, taxonomy, evolution, and extinction by examination of the fossil record. Study of commonly preserved organisms and their use in paleoecology, paleoenvironmental reconstruction, biostratigraphic correlation, and conservation paleobiology will be stressed as well.

- BIOL 4050K/6050 NATURAL ENVIRONMENT OF GEORGIA (Change prerequisites; description)
  Prerequisite: Biol 1104K or 2108K with grade of C or higher, and Geog 1113 or equivalent, or consent of instructor.
  Description: Three lecture hours a week with a one day weekend lab every other weekend. Georgia is a state with great a diversity of natural communities, in large part because of the many different landscapes present in the state. Through readings, discussions, tests, field outings, projects and in-class exercises, students will become familiar with the principles involved in the structure and function of Georgia's dwindling, but diverse, ecosystems. There will be an emphasis on plant communities and the physical environment, but animal communities and landscape management strategies will also be covered. Locations, diversity, and plant indicator species (especially trees) will be examined in the classroom and in the field, and experiential learning is emphasized.

**CHEMISTRY**

ADD

- CHEM 3600 INTRO TO PEER LEADERSHIP 1.0
  CHEM 3600 Introduction to Academic Peer Leadership The objective of this course is to train students to be peer leaders. Peer leaders will learn to lead a group of students by focusing on communication, group dynamics, motivation, learning styles and other issues to help participants actively engage students with course material. Students in the course will examine the practical and theoretical aspects of workshop leadership.

- CHEM 3680 READINGS IN CHEMISTRY 1.0-3.0
  CHEM 3600 Readings in Chemistry Prerequisite: Consent of the instructor. Reading of the Chemical Literature. Readings and discussion on selected topics.

- CHEM 4875 WRITING IN CHEMISTRY 1.0-3.0
CHEM 4875 Writing in Chemistry Prerequisite: Consent of the instructor. Writing on modern topics in chemistry. May be taken more than once, but for a total of no more than 6 credits.

**COMMUNICATIONS**

ADD (Four rhetoric courses are pending dialogue between English and Communication regarding content overlap)

- **COMM 8530 RHETORICAL THEORY I 3.0**
  COMM 8530 Rhetorical Theory I Credit Hour(s): 3.0 History of Rhetorical Theory I. Develop familiarity with the origins and evolution of rhetorical theory prior to the mid twentieth century, with an emphasis on major theoretical innovations.

- **COMM 8535 RHETORICAL THEORY II 3.0**
  COMM 8535 Rhetorical Theory II Hour(s): 3.0 History of Rhetorical Theory II. Development of theoretical skills for analyzing rhetorical artifacts, with an emphasis on theoretical innovations post-1965.

- **COMM 8540 RHETORICAL CRITICISM I 3.0**
  COMM 8540 Rhetorical Criticism I Hour(s): 3.0 A graduate-level introduction to the practice of rhetorical criticism and to the grammars associated with the analysis of various types of text.

- **COMM 8545 RHETORICAL CRITICISM II 3.0**
  COMM 8545 Rhetorical Criticism II Hours: 3.0 This is a doctoral level course in rhetorical criticism. It covers the major debates, controversies, and conversations in rhetorical criticism.

- **FILM 3115 SHORT SCREENWRITING 4.0**
  FILM 3115 Short Screenwriting Hours: 4.0 Screenwriting & Visualization for the Short Film/video. Prerequisites: Film 1010 and Film 2700 with grades of C or higher. Minimum 2.5 institutional GPA required. Students will develop fiction scripts and/or non-fiction/documentary proposal documents for short film/video projects. Narrative and rhetorical strategies will be explored through characterization, structure, conflict and dialog/voice-over. Course provides an in-depth experience for students intending to make a short film or video in subsequent production courses from the script or proposal developed in the course.
- **FILM 3155 DIGITAL CINEMATOGRAPHY 4.0**
  FILM 3155 Digital Cinematography. Hours: 4.0 Prerequisites: Film 1010 and Film 2700 with grades of C or higher. Minimum 2.5 institutional GPA required. A comprehensive introduction to cinematography. The course covers framing and lighting for different film and electronic imaging formats. Out of class collaboration is required. Student must bear all additional costs for productions during the semester.

- **FILM 4370 VISUAL EFFECTS FROM FILM 4.0**
  FILM 4370 Visual Effects for Film Hours: 4.0 Visual Effects for Film. Prerequisites: Film 4120 with grades of C or higher. Minimum 2.5 institutional GPA required. Exploration of concepts and techniques of visual effects used in film, television and games. Applications will be applied to practical exercises for manipulation of digital media using compositing and 2-D animation techniques, for the application to various film, television and game genres.

**CHANGE**

- **COMM 8100 THEORIES OF THE PUBLIC (Change title; description)**
  Title: Publics and Politics
  Description: Comm 8100 Publics and Politics Hours: 3.0 Publics and Politics. Introduction to advanced theories of the communicating public, including surveys of Lippmann, Dewey, Habermas, and others. Review of disciplinary perspectives on mass audiences from speech communication, mass communication, media studies, argumentation theory, cultural studies, and public relations approaches.

- **FILM 2800 MEDIA INDUSTRY IN CULTURE (Change title)**
  Title: Introduction to Media Studies

- **FILM 4000 ACTING FOR THE CAMERA (Change title; description)**
  Title: Acting and Directing
  Description: Film 4000 Acting and Directing Prerequisites: Film 1010 and 2700 with grades of C or higher, or equivalent. Only students with an institutional GPA of 2.5 or higher are eligible to enroll in this course. (Same as Thea 4000.) Two lecture and two lab hours. Hours: 4.0 Acting and Directing for the Camera. An in-depth exploration of approaches to performance for the actor and director of film and television production. Extensive out of class collaboration is required.

- **FILM 4110 POSTPRODUCTION (Change title; description)**
  Title: Sound Design
Description: Film 4110 Sound Design Prerequisites: Film 1010 and Film 2700 with grades of C or higher. Minimum 2.5 institutional GPA required. Hours: 4.0 Sound Design for Media Production. Prerequisites: Film 1010 and Film 2700 with grades of C or higher. Minimum 2.5 institutional GPA required. Creative aesthetics and practices of sound will be explored through the creation of multi-track projects. Methods of studio and field digital audio recording, editing and signal processing will provide the creative material to explore narrative and rhetorical expression in film, television and new media.

- FILM 4165 SPECIAL PROD TOPICS (Change title)
  Title: Special Production Topics

- FILM 4240 DOCUMENTARY FILM (Change title)
  Title: Documentary Studies

- FILM 4280 FILM GENRES (Change title)
  Title: Authors and Genres

- FILM 4765 GENDER AND FILM (Change title)
  Title: Gender in Film and Television

- FILM 4800 FILM AND MEIDA INDUSTRIES (Change title)
  Title: Media Industries

DROP

- FILM 4115 SCREENWRITING FOR SHORT FILM 3.0

COMPUTER SCIENCE

ADD

- CSC 2301 COMP PROG NON-MAJ 3.0
  CSC 2301 Computer Programming for Non-Majors. This class introduces students to computer programming. No prior programming experience is required. The class emphasizes design principles (e.g., pseudocode, stepwise refinement, object-oriented
design as well as the syntax and semantics of an appropriate language. This class is for non-majors interested in obtaining some fundamental computer programming skills.

**CHANGE**

- CSC 2010 INTRO TO COMPUTER SCIENCE (Change title; description)
  
  **Title:** Principles of Computer Science  
  **Description:** An introduction to the discipline of computer science. Computer programming is the primary focus of the course, with secondary focus on a breadth of computer science topics. These topics include algorithmic foundations, hardware concepts, virtual machine concepts, software systems, applications, and social issues.

- CSC 2320 FUND OF WEBSITE DEVELOPMENT (Change description)
  
  **Description:** Fundamentals of Website Development. Prerequisite: familiarity with basic programming language concepts. This course provides a foundation for developing dynamic websites and web applications. The first part covers the front-end aspects of web development: creating, designing, and publishing content using HTML, CSS, and JavaScript. The second covers the back-end aspects: using programming languages to generate, manipulate, and manage content (CGI, cookies, server-side scripting), and accessing a database using SQL for common website tasks (forms, user registration). While this course covers web development concepts that are applicable to most popular platforms, it is significantly hands-on. A major component is a final project involving implementing a dynamic website.

**DROP**

- CSC 1310 INTRO COMP PROGRAMMIN NON-MAJ 3.0

**ENGLISH**

**ADD**

- FOLK 4050/6050 GLOBAL CERAMIC TRADITIONS 3.0
  
  FOLK 4050 Global Ceramic Traditions. Engl 1102 or 1103 with grade of C or higher. Cross-listed with Folk 6050 An international survey of folk pottery from prehistory to today, combining material folklore study, art history, and cultural geography to explore continuity and change in hand-based technologies, societal uses and meanings of traditional clay products and aesthetics and creativity in each group's tradition.
GEOG 4050/6050 NATURAL ENVIRONMENT OF GEORGIA 4.0
GEOG 4050 Georgia is a state with great a diversity of natural communities, in large part because of the many different landscapes present in the state. Through readings, discussions, tests, field outings, projects and in-class exercises, students will become familiar with the principles involved in the structure and function of Georgia's dwindling, but diverse, ecosystems. There will be an emphasis on plant communities and the physical environment, but animal communities and landscape management strategies will also be covered. Locations, diversity, and plant indicator species (especially trees) will be examined in the classroom and in the field, and experiential learning is emphasized.

GEOS 8001 METHODS OF GEOGRAPHIC RESEARCH 3.0
GEOS 8001 Methods of Geographic Research. Research techniques used in solving geographic problems and evaluating geographic projects.

GEOS 8061 INSTRUCTION THEORY-GEOS ED 4.0
GEOS 8061 This graduate level course is designed to increase students pedagogical content knowledge associated with geoscience laboratory topics. Key theoretical principles of instruction and content integration will be applied within the context of specific topics and geoscience knowledge domains.

GEOL 4011/6011 PRINCIPLES OF PALEONTOLOGY (Change description)
Description: Principles of Paleontology. Prerequisite: Geol 1122K with grade of C or higher. Three lecture and three laboratory hours a week. An introduction to the principles of paleontology including taphonomy, taxonomy, evolution, and extinction by examination of the fossil record. Study of commonly preserved organisms and their use in paleoecology, paleoenvironmental reconstruction, biostratigraphic correlation, and conservation paleobiology will be stressed as well.

GEOL 4123/6123 GEOINFORMATICS (Change credit hours)
Credit Hours 4.0
- GEOG 8001 METHODS OF GEOGRAPHIC RESEARCH 3.0

GERONTOLOGY

- GERO 3124 ETHNICITY AND AGING 3.0
  GERO 3124 GERO 3124/SOCI 3124-Ethnicity and Aging. This course examines aging as a social process and focuses on the influence of ethnicity and race, as well as other key social relations in shaping the life course. We will define and examine diversity and disparity and consider many of the socio-cultural factors that give rise to differences across the life course and in later life. 3:00 Credit Hours, crosslisted with Soci 3124; Target Group: All undergraduate students, Gero and Soci undergraduate majors

- GERO 8850 CAPSTONE SEMINAR 3.0
  GERO 8850 Capstone Seminar in Gerontology. Prerequisite GERO 8910 with a grade of S. The purpose of the seminar is to provide students with an opportunity to explore research modalities pertinent to gerontology and to develop their capstone project design. Students will be encouraged to begin using their knowledge and critical thinking skills to explore and develop their capstone projects. 3.00 Credit hours. Target Group: GERO MA students.

HISTORY

- HIST 3250 RELIGION IN AMERICAN LIFE 4.0
  HIST 3250 This course will explore the history of religion in the United States from the early colonial period to the present.

- HIST 3635 MEDIA, TECHNOLOGY, AND CULTURE 4.0
  HIST 3635 Media, Technology, and Popular Culture. Examines evolution of communication technologies from the rise of printing in early modern Europe through the foundation of American media, and the globalization of mass media in the twentieth century. Topics include nationalism and the public sphere; media constructions of race, gender, and sexuality; legal and regulatory issues; and the changing aesthetics of print, film, television, and new media.
HIST 4885/6885/8885 SPECIAL TOPICS IN H.P. 3.0-4.0
HIST 4885/6885/8885 History 4885 Special Topics in Heritage Preservation Analysis of selected topics in public history or historic preservation such as cultural resource management historic site management, museum management or curatorial studies. May be repeated if topics differ.

HIST 4975 STUDY ABROAD 3.0-4.0
HIST 4975 STUDY ABROAD. Through international travel, students are given an opportunity to participate in on-site study of the historical, intellectual and cultural past of various societies. May be repeated for credit if topics vary. Prerequisite: Consent of the department and the faculty leading the study abroad trip.

HIST 8025 U.S. GILDED AGE/PROG. ERA 4.0
HIST 8025 This graduate seminar engages scholarship about the social, cultural, political, and economic history of the United States during the years between Reconstruction and the economic crash of 1929. We will cover a range of topics, including race and ethnicity, class and economic ideologies, gender, domestic politics, foreign policy, and regional difference. We will also read and discuss a selection of important primary sources from this period.

CHANGE

HIST 3240 SPROT & LEISURE IN AMERICA (Change credit hours)
Credit Hours: 3.0

HIST 3400 HISTORY OF SEX (Change credit hours)
Credit Hours 3.0-4.0

HIST 4200 U.S. CULTURAL HISTORY (Change title; description)
Title: American Culture and Ideas
Description: This course will explore the history of American culture and ideas through books, essays, films, novels, and more.

HIST 4225 IMMIGRATION IN US HISTORY (Change title)
Title: Immigrants in America

HIST 4470 LEGAL & CONSTITUTIONAL HISTORY (Change title; description)
Title: The Founder’s Constitution
Description: U.S. LEGAL AND CONSTITUTIONAL HISTORY The Founders' world was one vastly different from our own, but they produced a Constitution revered as
timeless and immutable. This course examines the political and social world of George Washington, Alexander Hamilton, James Madison and other Founders. We will also critically examine the intellectual, political, and cultural origins of the Constitution, the Founders’ intentions, and the process of Ratification. The Course will examine the Founders’ Constitution in its operation up through the constitutional crisis precipitated by secession and the Civil War.

- HIST 4570 FRANCE SINCE 1715 (Change title; description)
  Title: Modern France
  Description: France Since 1715 Considers major themes in French History since the eighteenth century. Topics include old regime society and politics; the Enlightenment; Revolution and Napoleon; class and gender in bourgeois society; nationalism, imperialism, fascism, and the world wars; decolonization; the European Union, new social movements, and immigration.

MILITARY STUDIES

ADD

- MSL 4400 INDEPENDENT STUDY 4.0
  MSL 4400 MSL 4400 develops proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing leadership-performance feedback to subordinates. Cadets are given situational opportunities to assess risk, make sound ethical decisions, and provide coaching and mentoring to fellow ROTC Cadets. MSL IV Cadets are measured by their ability to give and receive systematic and specific feedback on leadership abilities using the Socratic model of reflective learning. Cadets at the MSL IV level analyze and evaluate the leadership values, attributes, skills, and actions of MSL III Cadets while simultaneously considering their own leadership skills. Attention is given to preparation for success at BOLC III and the development of leadership abilities. The MSL 4400 course is designed to include multiple opportunities for student centered learning, to include, but not limited to student reading assignments; homework assignments; participation in small group assignments, practical exercises and case studies.

CHANGE

- MSL 3010 LEADERSHIP & PROBLEM SOLVING (Change credit hours)
  Credit hours: 4.0
• MSL 4010 LEADERSHIP AND MANAGEMENT (Change credit hours)
  Credit hours 4.0

MODERN AND CLASSICAL LANGUAGES

ADD

• CHIN 3081 CULTRL DIMENSNS OF LANG LRNG 3.0
  CHIN 3081 Cultural Dimensions of Language Learning. Prerequisite: Completion of at least three semesters (through 2001 or above) of Chinese or another Asian language (e.g., Japanese or Korean) with a grade of C or higher, or consent of instructor. This course familiarizes students of Chinese and Asian Studies with theories of language acquisition that apply specifically to Asian languages. Students will gain experience in using methodologies of second language (L2) acquisition in analyzing and assessing cultural competence. This course will count toward credit in the Asian Studies program. Taught in English.

• SPAN 3301 ADV CON & READ 3.0
  SPAN 3301 Advanced Conversation and Reading. Prerequisite: Span 2002 or Span 2101 with grade of C or higher, or equivalent, or consent of instructor. Development of oral and reading skills, vocabulary building, and practice in the patterns of idiomatic Spanish. Not open to native speakers of Spanish.

DROP

• SPAN 3305 ADV. CONVERSATION & READING 3.0

NEUROSCIENCE

ADD

• NEUR 3690 HONORS READING 1.0-3.0
  NEUR 3690 Honors Readings. Prerequisites: Consent of the instructor and Honors Program director. Discussion and readings on selected topics.

• NEUR 4050 STATISTICS FOR NEUROSCIENCE 3.0
  NEUR 4050 NEUR 4050: Statistics for Neuroscience. Prerequisite: Neur 3000 or equivalent (BIOL 4010) with a grade of C or higher. This course provides an advance
review of descriptive and inferential statistics as applied to neuroscience research questions. Topics include hypothesis-testing statistics, complex (multi-factor) designs, correlation, regression, multivariate methods and some non-parametric treatments. An elective for Neuroscience majors. 3.000 Credit Hours

- NEUR 4870 HONORS THESIS: RESEARCH 3.0-6.0
  NEUR 4870 Honors Thesis: Research. Prerequisites: Consent of instructor and Honors Program director. Readings or research preparatory to honors thesis or project.

- NEUR 4880 HONORS THESIS: WRITING 3.0
  NEUR 4880 Honors Thesis: Writing. Prerequisites: NEUR 4870 with grade of C or higher, or equivalent and consent of instructor and Honors Program director. Writing or production of honors thesis or project.

- NEUR 6100 DEVELOPMENTAL NEUROBIOLOGY 4.0
  NEUR 6100 Developmental Neurobiology. Prerequisite: BIO 3800 with grade of C or higher or equivalent. (Same as Biol 6094). This course will provide the fundamentals of the discipline as well as investigate the guiding principles and current practice of Developmental Neuroscience through lectures and discussions. It covers the field of developmental neurobiology from neural induction to the modification of neuronal connections in the adult nervous system and uses a variety of model organisms to demonstrate the rules by which nervous systems develop. We will emphasize an experimental, inquiry-based approach to the field.

- NEUR 4020 CONGNITIVE NEUROSCIENCE 4.0
  NEUR 4020 Cognitive Neuroscience. Prerequisite: Neur3000. Covers the neural basis of cognition, learning, emotion, memory and language and the methods used to investigate these areas of research 4.0 Credit Hours

CHANGE

- NEUR 3010 NEUROSCIENCE LABORATORY (Change prerequisite)
  Prerequisite: Pre- or corequisites: Neur 3000 and Math 2211, Math 2212, Math 2201, or Math 2202, or any comparable higher-level math, with grades of C or higher.

- NEUR 8030 ADV. BEHAVIORAL NEUROSCIENCE (Change title; description)
  Title: Neural Computational Mechanisms
  Description: NEUR 8030. Neural and Computational Mechanisms of Behavior. Prerequisites: Biol 8010 and Biol 8020, or Neur 8010 and Neur 8020, or equivalents, or consent of instructor. Advanced analysis and computational modeling of functional
neural systems involved in the regulation of behavior, emphasizing interactions between limbic, hypothalamic, and cortical brain systems.

- NEUR 8600 INTRO GRADUATE BIOLOGY STUDIES (Change title; description)
  Title: Responsible Conduct in Research
  Description: Responsible Conduct in Research. One lecture hour a week. Analysis, discussion, and review of requirements for the fulfillment of the responsible conduct in research (RCR) training, including ethics, publication, attribution of work, conflict of interest, and human and animal welfare. Course also entails taking and passing the Federal Collaborative Institutional Training Initiative (CITI) on-line training. 1.000 Credit hours

**PHILOSOPHY**

CHANGE

- PHIL 2500 INTRODUCTION TO SYMBOLIC LOGIC (Change description)
  Description: Introduction to Symbolic Logic. Introduction to the examination of correct reasoning using symbols to represent statements and relationships between them. This course covers sentential logic and some predicate logic.

- PHIL 3010 HISTORY-WESTERN PHIL I ANCIENT (Change description)
  Description: History of Western Philosophy I: Ancient. Development of European philosophy from the early Greeks to the Romans. Typically included are Socrates, Plato, and Aristotle. This course is required for the philosophy major.

- PHIL 3020 HISTORY-WESTERN PHIL II: MODERN (Change description)
  Description: History of Western Philosophy II: Modern. Development of European philosophy from the Renaissance to the Enlightenment. Typically included are Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. This course is required for the philosophy major.

- PHIL 4790 TOPICS IN NEUROETHICS (Change description)
  Description: Topics in Neuroethics. Study of specific issues in neuroethics, such as cognitive enhancement, neuromarketing, neurolaw, neuroscience and free will, etc. Prerequisite: One 2000 or 3000-level Philosophy course, or consent of the instructor.

**PHYSICS & ASTROMONY**
- **PHYS 8380 COMPUTATION NEUROSCIENCE 3.0**
  PHYS 8380 Prerequisite: Neur 8010 with grade of B or higher, or equivalent, or consent of instructor. Three lecture hours per week. Realistic modeling dynamics of neurons and neuronal networks with emphasis on testing data-driven hypotheses. Topics include modeling intracellular calcium dynamics, voltage dependent channels, synapses, activity of neurons, and synchronization regimes of neuronal networks.

**POLITICAL SCIENCE**

- **POLS 8427 POLITICS OF HUMAN RIGHTS 3.0**
  POLS 8427 Politics of Human Rights. Prerequisite: none No other restrictions or cross listing. Survey of the literature on the theory and politics of human rights. Explores the causes of extreme violence and human rights abuses, including state terror, sexual violence, and genocide and examines existing international tools to prevent and address human rights abuses.

- **POLS 8805 INTRO QUANTITATIVE ANALYSIS 3.0**
  POLS 8805 Introduction to Quantitative Analysis No prerequisites or other restrictions No cross-listed courses Introduction to fundamental quantitative analysis. Lays the groundwork for advanced coursework in quantitative analysis and social and political science research. To that end, students will learn about sampling, distributions, hypothesis testing, confidence intervals and a variety of other topics. Targets graduate students

**RELIGIOUS STUDIES**

- **RELS 3255 RELIGION IN AMERICAN LIFE 3.0**
RELS 3255 This course will give you a basic understanding of the history of religion in the United States. The history of American religion, like the history of American culture in general, is enormously complex, a tale of fertile pluralism, disagreement, and conflict.

- RELS 4280/6280 MODERN ISLAM 3.0
  RELS 4280 The purpose of the course is to understand the Islamic tradition in the contemporary world through a study of its history, society, institutions, as well as its various relationships to non-Muslim societies and cultures. The task is to try to gain familiarity with the multiple manifestations and transformations of Islam from the pre-modern to the modern periods, with an emphasis on the changes brought about by the rise of European hegemony and colonial modernity.

- RELS 8998 PROSPECTUS RESEARCH & WRITING 3.0
  RELS 8998 Students enrolled in this course will complete the research required to writing a Master’s thesis prospectus that conforms to the guidelines established by the Department. Students who successfully complete this course and whose prospectuses are approved by the faculty may continue in the thesis research and writing process. Permission from the instructor.

SOCIOMETRY

ADD

- SOCI 3124 ETHNICITY AND AGING 3.0
  SOCI 3124 Ethnicity and Aging. This course examines aging as a social process and focuses on the influence of ethnicity and race, as well as other key social relations in shaping the life course. We will define and examine diversity and disparity and consider many of the socio-cultural factors that give rise to differences across the life course and in later life. 3:00 Credit Hours, crosslisted with Soci 3124; Target Group: All undergraduate students, Gero and Soci undergrad majors

CHANGE

- SOCI 8000 PROSEMINAR IN SOCIOLOGY (Change credit hours)
  Credit hours 3.0