A&S CURRICULUM CHANGES Fall 2015 (EFFECTIVE Fall 2016)

AFRICAN AMERICAN STUDIES

ADD

- AAS 4975/6095 RACE, CLASS, AND GENDER IN CONTEMPORARY SOUTH AFRICA 3.0
  Race, Class and Gender in Contemporary South Africa. (Same as AAS 6095.) In this course students learn how class, gender and racial categories have impacted the lives of South Africans.

CHANGE

- AAS 4620 ENSLAVEMENT IN THE AMERICAS (Change title, Change description)
  Current Title: Enslavement in the Americas
  Proposed Title: Enslavement and Resistance in the Americas

  Current Description: Enslavement in the Americas. (Same as Hist 4290.) Comparative examination of systems of captivity and forced labor in the western hemisphere and the social development and popular responses of captive Africans to these systems. Emphasis on the continuities of African culture and the unique adaptation of culture and social organization in each country. The nature of resistance and the process of eliminating the system of captivity in several nation-states. Global Perspectives Course.

  Proposed Description: Enslavement and Resistance in the Americas. (Same as Hist 4290.) Comparative examination of systems of captivity and forced labor in the western hemisphere and the social development and popular responses of captive Africans and their descendants to these systems. Emphasis on the continuities of African culture and the unique adaptation of culture and social organization in each country. The nature of resistance and the process of eliminating the system of captivity, with a focus on Maroon nations in the Americas.

- AAS 6027 SEM SOUTH MODERN CIVIL RIGHTS (Change title)
  Current Title: Seminar in Southern Modern Civil Rights Movement
  Proposed Title: Seminar in Southern Black Freedom Struggle
APPLIED LINGUISTICS

ADD

- **AL 4090 LANGUAGE AND COMPUTERS 3.0**
  Prerequisites: AL/ForL 3021 Introduction to Linguistics with C or higher.
  This course will examine how computers process, understand, and produce language in everyday tasks. The class will focus on how computers understand language and also examine the social and ethical considerations of language technologies. Topics covered will include speech recognition, spelling correction, search engines, dialog tasks, computer assisted language learning, machine translation, spelling and grammar correction, forensic linguistics, and e-mail filtering. The course will focus specifically on natural language processing and its applications.

- **IEP 0330 SEL TOP LANG CULT: ORAL FLUENC 1.0-6.0**
  Make speech in English more intelligible through exercises in: thought-grouping, intonation, stress and pausing, and pronunciation of discreet sounds (consonants and vowels) crucial to communicating meaning. In this course, students will learn how to improve their intelligibility by analyzing samples of clear speech and by analyzing and improving their own speech through listening to recordings and practice.

- **IEP 0340 SEL TOP LANG VOCAB 1.0-3.0**
  Strategies to help students who are non-native speakers of English increase their productive vocabulary in specialized academic and vocational areas. Students must be enrolled in the Intensive English Program (IEP) to take this course.

- **IEP 0351 SEL TOP LANG CULT: US ACAD 1.0-3.0**
  Selected Topics in Language and Culture: U.S. Academic Culture. This course is designed to help students who are non-native speakers of English develop an understanding of how U.S. cultural values influence and determine the structure, curriculum and pedagogical approaches used in education. Students will investigate the undergraduate or graduate admissions processes for schools they might like to attend, participating in the admissions process by engaging in various tasks, e.g., creating a timeline for completing admissions requirements, completing applications, writing emails to request information, and writing essays or statements of purpose. Students must be registered in the IEP.

- **IEP 0352 SEL TOP LANG CULT: SERVICE 1.0-6.0**
  Strategies to help advance students who are non-native speakers of English increase their speaking, listening, and pronunciation skills through engaging in service learning
activities and reporting on the activities. The course is for students in level 5 in the IEP and is given as an elective.

- IEP 0422 ORAL FLUENCY II 1.0-3.0
  Oral Fluency II Oral fluency for low-intermediate level non-native speakers of English; focus on vocabulary, grammar, and communicative abilities. Cross-listed with IEP 0420.

- IEP 0512 EXTENSIVE READING I 1.0-3.0
  Extensive Reading I Extensive reading of academic and non-academic literature for basic level non-native speakers of English. Cross-listed with IEP 0510.

- IEP 0522 EXTENSIVE READING II 1.0-3.0
  Extensive Reading II Extensive reading of academic and non-academic literature for low-intermediate level non-native speakers of English. Cross-listed with IEP 0520.

- IEP 0532 EXTENSIVE READING III 1.0-3.0
  Extensive Reading III Extensive reading of academic and non-academic literature for intermediate level non-native speakers of English. Cross-listed with IEP 0530.

- IEP 0542 EXTENSIVE READING IV 1.0-3.0
  Extensive reading of academic and non-academic literature for high-intermediate level non-native speakers of English. Cross-listed with IEP 0540.

- IEP 0552 EXTENSIVE READING V 1.0-3.0
  Extensive Reading V Extensive reading of academic and non-academic literature for advanced level non-native speakers of English. Cross-listed with IEP 0550.

- IEP 0612 STRUCTURE AND WRITING I 1.0-3.0
  Introductory Structure and Writing I English structure and writing for basic level non-native speakers of English. Cross-listed with IEP 0610.

- IEP 0622 STRUCTURE AND WRITING II 1.0-3.0
  Introductory Structure and Writing II English structure and writing for low-intermediate level non-native speakers of English. Cross-listed with IEP 0620.

- IEP 0632 STRUCTURE AND COMPOSITION III 1.0-3.0

- IEP 0642 STRUCTURE AND COMPOSITION IV 1.0-3.0

- **IEP 0652 STRUCTURE AND COMPOSITION V 1.0-3.0**

- **IEP 0712 ORAL COMM: ACAD PURPOSES 1.0-3.0**

- **IEP 0722 ORAL COMM: ACAD PURPOSES II 1.0-3.0**

- **IEP 0732 ORAL COMM: ACAD PURPOSES III 1.0-3.0**

- **IEP 0742 ORAL COMM: ACAD PURPOSES IV 1.0-3.0**

- **IEP 0752 ORAL COMM: ACAD PURPOSES V 1.0-3.0**

- **IEP 0812 READING SKILLS I 1.0-3.0**
  Reading Skills I. Reading skills for basic level nonnative speakers of English. Cross-listed with IEP 0810.

- **IEP 0822 READING SKILLS II 1.0-3.0**
  Reading Skills II. Reading skills for low-intermediate level nonnative speakers of English. Cross-listed with IEP 0820.

- **IEP 0832 READING/LISTENING: ACAD III 1.0-3.0**
  Reading and Listening for Academic Purposes III. Reading and listening skills for intermediate level non-native speakers of English. Cross-listed with IEP 0830.

- **IEP 0842 READING/LISTENING: ACAD IV 1.0-3.0**
Reading and Listening for Academic Purposes IV. Reading and listening skills for high-intermediate level non-native speakers of English. Cross-listed with IEP 0830.

- **IEP 0852 READING/LISTENING: ACAD V 1.0-3.0**
  Reading and Listening for Academic Purposes V. Reading and listening skills for advanced level non-native speakers of English. Cross-listed with IEP 0850.

- **IEP 0896 ACAD BUS CULT 1.0-6.0**
  This course is part of a 3-course 7-week program (18 credit hours) for graduate business students who plan to begin their business in the fall semester. In this course, students learn U.S. pedagogical practices (e.g., class discussion, group projects, cases), appropriate classroom etiquette, characteristics of cultural adjustment/socialization. They also learn U.S. business culture and the relationship between dominant U.S. values and business practices. Students use all four language skills in this class as well critical thinking skills.

- **IEP 0898 RDG WTG BUS ENGL 1.0-6.0**
  This course is part of a 3-course 7-week program (18 credit hours) for graduate business students who plan to begin their business in the fall semester. In this course, students learn how to write effective business letters, memos and email messages. Students develop their business writing, grammar, and vocabulary as they focus on appropriate formats, style and tone for a variety of audiences including employers, colleagues, customers, and clients. Students will also read and analyze written texts including cases.

- **IEP 0899 OR COMM BUS ENGL 1.0-6.0**
  This course is part of a 3-course 7-week program (18 credit hours) for graduate business students who plan to begin their business in the fall semester. In this course, students learn how to give compelling business presentations, understand spoken business interactions, be able to participate in spoken business interactions, to use business vocabulary in every day conversation, to implement effective interviewing skills and to respond effectively to interview questions, and to develop pronunciation strategies and skills.

- **IEP 0932 WRITING FOR UNIV EXAMS III 1.0-3.0**
  Writing for University Exams III. Academic writing for intermediate level nonnative speakers of English. Cross-listed with IEP 0930.

- **IEP 0942 WRITING FOR UNIV EXAMS IV 1.0-3.0**
  Writing for University Exams IV. Academic writing for high-intermediate level nonnative speakers of English. Cross-listed with IEP 0940.
• IEP 0950 WRITING FOR UNIV EXAMS V 1.0-3.0
  Writing for University Exams V. Academic writing for advanced level nonnative
  speakers of English. Cross-listed with IEP 0950.

CHANGE

• AL 8765 PHRASEOLOGY (Change prerequisite)
  Current Prerequisites: AL 8760
  Proposed Prerequisites: None

• IEP 0350 SP TOP ENG PRO TEST PREP (Change credit hours)
  Current Credit Hours: 3
  Proposed Credit Hours: 1-3

DROP

• IEP 0300 TOEFL PREP 2.0
ANTHROPOLOGY

ADD

- **ANTH 4150/6150 MUSEUM ANTHROPOLOGY 3.0**
  Museum Anthropology. Prerequisites: Grade of B or higher in ANTH 2010, 2020, or 2030. Museums provide a critical intersection between academic research and the public. This course critiques the mission of museums in a global world and explores how knowledge is conveyed through objects, and how museums can disseminate complex ideas to diverse audiences in accessible and inclusive ways. This course considers the role of museums in identity construction at local, national, and supra-national levels. 3.00 Credit hours

- **ANTH 8070 MUSEUM EXPERIENCE 3.0**
  Museum Experience. Prerequisites: Consent of instructor. Museum Experience will provide students with a critical understanding of museum exhibits and/or museum collection through fieldwork, data collection or observations and may involve collections housed at Georgia State University or elsewhere to provide hands-on experience, anthropological insights and professional skills concerning the reproduction of knowledge for public education. 3.00 Credit hours
ART & DESIGN

CHANGE

- **AH 3000 INTRO ART HISTORY METHOD-CTW** (Change prerequisite)
  
  **Current Prerequisite:** AH 1700, AH 1750, and AH 1850 with grades of C or higher, or consent of instructor.
  
  **Proposed Prerequisite:** Two 1000-level art history courses (AH 1700, AH 1750, or AH 1850) with grades of C or higher.

- **DPP 3150 INTAGLIO/ETCHING & LITHOGRAPHY** (Change prerequisite)
  
  **Current Prerequisite:** one DPP 3000-level course with grade of C or higher, or consent of instructor.
  
  **Proposed Prerequisite:** DPP 3050 and ART 1010

- **PHOT 3050 SELECTED TOPICS** (Change fee)
  
  **Current Fee:** $0
  
  **Proposed Fee:** $125

- **PHOT 3500 DIGITAL PHOTOGRAPHY** (Change fee)
  
  **Current Fee:** $20
  
  **Proposed Fee:** $125

- **PHOT 3600 DIGITAL VIDEO FOR ARTISTS** (Change fee)
  
  **Current Fee:** $20
  
  **Proposed Fee:** $125

- **PHOT 3900 SELECTED TOPICS IN PHOTOGRAPHY** (Change fee)
  
  **Current Fee:** $20
  
  **Proposed Fee:** $125

- **PHOT 4500 DIRECTED STUDY IN PHOTOGRAPHY** (Change fee)
  
  **Current Fee:** $70
  
  **Proposed Fee:** $125

- **PHOT 4940 PORTFOLIO I** (Change fee)
  
  **Current Fee:** $20
  
  **Proposed Fee:** $125

- **PHOT 4950 PORTFOLIO II-CTW** (Change fee)
  
  **Current Fee:** $20
Proposed Fee: $125

- PHOT 4980 SPECIAL PROBLEMS (Change fee)
  Current Fee: $0
  Proposed Fee: $125

- PHOT 6020 DIGITAL PHOTOGRAPHY (Change fee)
  Current Fee: $0
  Proposed Fee: $125

- PHOT 6030 DIGITAL VIDEO FOR ARTISTS (Change fee)
  Current Fee: $0
  Proposed Fee: $125

- PRT 6050 PRINTMAKING (Change description)
  Current Description: Printmaking. Prerequisite: consent of instructor. For students not majoring in Drawing, Painting, and Printmaking. Expressive and interpretive printmaking through techniques such as etching, lithography, screen, or relief. May be repeated for a maximum of fifteen credit hours. Lab Fee: $20.00.

  Proposed Description: Printmaking. Prerequisite: consent of instructor. Crosslist: DPP3350 Monoprinting, DPP3150 Intaglio/Etching & Lithography. For students not majoring in Printmaking. Expressive and interpretive printmaking through techniques such as etching, lithography, screen, or relief. May be repeated for a maximum of fifteen credit hours. Lab Fee: $20.00.

- TEXT 6910 HISTORIC TEXTILES (Change credit hours)
  Current Credit Hours: 4
  Proposed Credit Hours: 3

- TEXT 8500 DIRECTED STUDY SEMINAR (Change title, Change prerequisites)
  Current Title: Directed Study Seminar
  Proposed Title: Directed Study

  Current Prerequisites: Consent of instructor.
  Proposed Prerequisites: Consent of instructor for the M.F.A. Textiles major.
**BIOLOGY**

**ADD**

- **BIOL 4687/6687 SURGICAL ANATOMY 4.0**

- **BIOL 8500 SYSTEMS BIOLOGY 3.0**
  Systems Biology [3.0] (cross-listed with Math 8500 and Neur 8500). This course provides an introduction to systems biology from a mathematical modeling point of view. It will introduce biology students to mathematical modeling, and mathematical students to systems biology. Biological topics will include gene systems, protein systems, metabolic systems and signaling systems. Mathematical tools will include basic modeling concepts, approximation, static networks, linear vs. nonlinear systems and how to linearize nonlinear systems, and parameter estimation and optimization. Specific case studies will include integrative analysis of genome, protein, and metabolite data, systems biology in medicine and drug development, and synthetic biology.

**CHANGE**

- **BIOL 3240/7240 HUMAN PHYSIOLOGY** (Change title, Change prerequisite, Change description)
  
  **Current Title:** Human Physiology  
  **Proposed Title:** Medical Physiology  
  
  **Current Prerequisites:** Biol 1104K, 1108K, or 2108K, and Chem 1212K with grades of C or higher, or consent of instructor  
  **Proposed Prerequisites:** Biol 2108K and Chem 1212K with grades of C or higher.  
  
  **Current Description:** Three lecture hours a week. Integrative physiology of major organ systems, with emphasis on homeostatic mechanisms in health and disease.  
  
  **Proposed Description:** Three lecture hours per week plus recitation. Integrative physiology of all major organ systems will be taught using clinical case studies. Topics include radiology, angiograms, hematology, blood chemistry, urinalysis, ECG, and spirometry.

- **BIOL 3850 ANIMAL BIOLOGY** (Change prerequisites)
Current Prerequisites: Biol 3810 and Biol 3840 (or concurrently) with grades of C or higher.

Proposed Prerequisites: Biol 3810 and Biol 3840 with grades of C or higher, or equivalents. Biol 3840 may be taken concurrently.

- BIOL 3890 MICROBIOLOGY (Change prerequisites)
  Current Prerequisites: Biol 3810 and Biol 3880 (or concurrently) with grades of C or higher, or equivalents.
  Proposed Prerequisites: Biol 3810 and Biol 3880 with grades of C or higher, or equivalents. Biol 3880 may be taken concurrently.

- BIOL 4246 ADVANCED HUMAN PHYSIOLOGY-CTW (Change title)
  Current Title: Advanced Human Physiology-CTW
  Proposed Title: Advanced Human Physiology

- BIOL 4250 CELL CYCLE AND CANCER-CTW (Change title, Change description)
  Current Title: Cell Cycle and Cancer-CTW
  Proposed Title: Cell Cycle and Cancer

  Current Description: Cell Cycle and Cancer-CTW. Prerequisite: Biol 3800 with a C or better. This course discusses the cell cycle and how misregulation of this well-orchestrated process results in cancer. Strong emphasis will be placed on stimulating critical thinking and developing scientific writing skills to effectively comprehend and communicate scientific knowledge in the field of cell cycle and cancer. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all biology majors.

  Proposed Description: Cell Cycle and Cancer. Prerequisite: Biol 3800 with a C or better. This course discusses the cell cycle and how misregulation of this well-orchestrated process results in cancer. Strong emphasis will be placed on stimulating critical thinking and developing scientific writing skills to effectively comprehend and communicate scientific knowledge in the field of cell cycle and cancer.

- BIOL 4280 IMMUN OF INFECT DISEASES-CTW (Change title, Change description)
  Current Title: Immunology of Infectious Diseases-CTW
  Proposed Title: Immunology of Infectious Diseases

  Current Description: Immunology of Infectious Diseases-CTW. Prerequisites: Biol 3880 and Biol 3900 with grades of C or higher, or equivalent course work. Four lecture hours a week. Principles of immunobiology focusing on human innate and adaptive
immune responses and mechanisms that coordinate these responses to protect from infection. Over-reactions of the immune system and principles underlying efficacy of vaccines for infectious diseases. Analysis of research articles to explore recent advances in immunology research with an emphasis on critical thinking through writing. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all biology majors.

**Proposed Description:** Immunology of Infectious Diseases. Prerequisites: Biol 3880 and Biol 3900 with grades of C or higher, or equivalent course work. Four lecture hours a week. Principles of immunobiology focusing on human innate and adaptive immune responses and mechanisms that coordinate these responses to protect from infection. Over-reactions of the immune system and principles underlying efficacy of vaccines for infectious diseases. Analysis of research articles to explore recent advances in immunology research with an emphasis on critical thinking through writing.

- **BIOL 4282 TUMOR IMMUNOLOGY-CTW (Change title, Change description)**
  **Current Title:** Tumor Immunology-CTW
  **Proposed Title:** Tumor Immunology

  **Current Description:** Tumor Immunology-CTW. Prerequisite: Biol 3800 with grade of C or higher. This course discusses the molecular basis of tumorigenesis and the interactions between the immune system and tumors/cancer cells. Topics covered include: basic tumorigenesis of common solid tumors, basic immunology, tumor antigen expression, types of immune responses to tumors, mechanisms by which tumors escape/suppress the immune response and novel approaches for immunotherapy of advanced cancers. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all biology majors.

  **Proposed Description:** Tumor Immunology. Prerequisite: Biol 3800 with grade of C or higher. This course discusses the molecular basis of tumorigenesis and the interactions between the immune system and tumors/cancer cells. Topics covered include: basic tumorigenesis of common solid tumors, basic immunology, tumor antigen expression, types of immune responses to tumors, mechanisms by which tumors escape/suppress the immune response and novel approaches for immunotherapy of advanced cancers.

- **BIOL 4685 FUNCTIONAL HISTOLOGY-CTW (Change title, Change description)**
  **Current Title:** Functional Histology-CTW
  **Proposed Title:** Functional Histology
Current Description: Functional Histology-CTW. Prerequisites: Biol 3800 and Biol 3240 with grades of C or higher, or equivalent. Four lecture hours per week. Topics include preparation and basic staining of tissues, special stains, identification of tissue features and classification. The course will correlate tissue form and function by incorporating concepts of cell, tissue, and organ physiology. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all biology majors.

Proposed Description: Functional Histology. Prerequisites: Biol 3800 and Biol 3240 with grades of C or higher, or equivalent. Four lecture hours per week. Topics include preparation and basic staining of tissues, special stains, identification of tissue features and classification. The course will correlate tissue form and function by incorporating concepts of cell, tissue, and organ physiology.
CHEMISTRY

ADD

- **CHEM 3015 QUANTITATIVE ANALYSIS 3.0**
  Quantitative Chemical Analysis. Prerequisites: Chem 1212K or equivalent with grade of C or higher, Math 2212 or equivalent with grade of C- or higher, and an undergraduate GPA of 2.2 or higher. Contents: significant figures and statistics; chemical equilibrium and titration; acid-base systems, metal ion-ligand complexation/chelation, and introduction to Instrumental Analysis. The lab section provides training of manual and semi-automatic methods of data collection and chemical analysis. Required for all chemistry majors. 3.000 Credit hours

- **CHEM 4005/6005 INSTRUMENTAL ANALYSIS 3.0**
  Instrumental Analysis. Prerequisites: Chem 3015 or equivalent with grade of C or higher, Physics 2212K or equivalent with grade of C- or higher, and an undergraduate GPA of 2.2 or higher. As a CTW course, there will be extensive data analysis, report writing and revisions in addition to the laboratory contacts. Contents: signal/noise and electronics; chemical separation; spectroscopic analysis; electrochemistry; mass spectrometry and others. The lab section requires operation of research instruments, multiple team projects, comprehensive data analysis and scientific report writing. Required for all chemistry majors. 3.000 Credit hours

- **CHEM 4240/6240 CHEMICAL BIOLOGY 3.0**
  Chemical Biology. Prerequisites: one year of Organic Chemistry, Chem 3410, or equivalent, and one semester of Biochemistry 4600/6600 or equivalent. Undergraduate students need to get approval from the instructor before registering for the course. This course provides a comprehensive survey of the field of chemical biology. Topics such as natural product biosynthesis, biological activities of the natural products, chemical tools to study biology, and engineering biological process to enable new chemistry will be covered. Students will gain a comprehensive understanding of the key approaches of the field, its current status, and future opportunities. Students will also get to learn how some of the key innovative ideas were developed and implemented.
COMMUNICATION

ADD

- **COMM 8530 RHETORICAL THEORY I 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**
  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**
  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**
  This is a doctoral level course in rhetorical criticism. It covers the major debates, controversies, and conversations in rhetorical criticism.

- **FILM/FLME 3100 TV PRACTICUM 1.0-4.0**
  Prerequisite: Only students who have met the Film and Video Major Eligibility Requirements may enroll in this course without department approval. Practical application of audio/video recording and editing skills to produce broadcast quality video to be aired by Georgia Public Broadcasting or other media partners with the university. Students will select from a calendar of events on and off campus to record audio/video and to post-produce for GPB programming, and some travel may be required. There is no set class time, but students will have review meetings to discuss their recordings and/or post-production work.

- **FILM/FLME 3600 RADIO/TV NEW MEDIA HISTORY 3.0**
  Radio/TV New Media History An overview of the history of radio, television and new entertainment media in the cultural contexts in which they emerged and have evolved into the 21st century. Discusses the local, national, and international media environments that influenced broadcasting media forms and charts aesthetic, audience, production, regulatory, industrial and technological developments and the social meanings and debates provoked by programming.

- **FILM/FLME 3800 MEDIA INDUSTRIES IN CULTURE 3.0**
An overview of how industrial, regulatory, economic, and cultural forces interact in the production, distribution and reception of media texts. Considers the ideological and institutional structures that impact our experience of cultural forms.

- **FILM/FLME 3900 LANGUAGE OF FILM THROUGH PROD 3.0**
  The Language of Film Through Production. Introduction to time-based media production and analysis. Media production activities, lecture, screening and discussion.

- **JOUR 4095 JOURNALISM ENTREPRENEURSHIP 3.0**
  Prerequisite: Jour 3060. Development of skills needed to build freelance portfolios and use social media platforms to manage their journalism brands. Pitching digital media products and content, business basics, building a resume, handling recruiter questions and enhancing professional presence on digital media are covered. Partnerships with local media executives and entrepreneurs are part of the curriculum plan.

**CHANGE**

- **JOUR 3010 ADVANCED MEDIA WRITING-CTW (Change title, Change description)**
  **Current Title:** Advanced Media Writing-CTW
  **Proposed Title:** Advanced News Reporting

  **Current Description:** Advanced Media Writing-CTW. Prerequisites: Only students who have met the Journalism Major Eligibility Requirements may enroll in this course without department approval. Expanding on Media Writing, with an emphasis on news gathering, reporting techniques and journalistic writing in several media and context. Students will apply critical thinking skills to determine source credibility; to delineate important information to use in crafting stories using journalistic standards; to report and write news stories quickly, under deadline, without sacrificing accuracy. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all journalism majors.

  **Proposed Description:** Expanding on News Reporting, with an emphasis on news gathering, reporting techniques and journalistic writing in several media and context. Students will apply critical thinking skills to determine source credibility; to delineate important information to use in crafting stories using journalistic standards; to report and write news stories quickly, under deadline, without sacrificing accuracy.

- **JOUR 3070 INTRO TO THEORIES OF MASS COMM (Change title, Change prerequisites)**
  **Current Title:** Introduction to Theories of Mass Communication
  **Proposed Title:** Media Theory
**Current Prerequisite:** Only students who have met the Journalism Major Eligibility Requirements may enroll in this course without department approval.

**Proposed Prerequisite:** Jour 3060

- **JOUR 3500 PR TECHNIQUES (Change prerequisites)**
  
  **Current Prerequisite:** Jour 3060 with grade of C or higher. Only students who have met the Journalism Major Eligibility Requirements may enroll in this course without department approval.
  
  **Proposed Prerequisite:** Only students who have met the Journalism Major Eligibility Requirements may enroll in this course without department approval.

- **JOUR 4040 HISTORY OF NEWS MEDIA-CTW (Change title, Change prerequisite, Change description)**
  
  **Current Title:** History of News in Media-CTW
  
  **Proposed Title:** History of the News Media

  **Current Prerequisite:** Jour 3060 with a grade of C or higher. Only students who have met the Journalism Major Eligibility Requirements may enroll in this course without department approval.

  **Proposed Prerequisite:** None

  **Current Description:** History of the News Media-CTW. Prerequisite: Jour 3060 with a grade of C or higher. Only students who have met the Journalism Major Eligibility Requirements may enroll in this course without department approval. Comparative study of the origins and development of news systems in relation to their historical, social, political, ethical and economic environments. This is one of the capstone courses for the Journalism major. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all journalism majors.

  **Proposed Description:** Comparative study of the origins and development of news systems in relation to their historical, social, political, ethical and economic environments.

- **THEA 4070 WESTERN THEATRE-CTW (Change prerequisite, Change description)**
  
  **Current Prerequisite:** Thea 3100 with grade of C or higher

  **Proposed Prerequisite:** None

  **Current Description:** Western Theatre History-CTW. Prerequisite for B.I.S. theatre majors: Thea 3100 with grade of C or higher. Western theatre history from the Greeks to
the present, including theatre design, performance and production techniques, and representative play, with special emphasis on writing as a vehicle for critical thinking about research and analysis. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all theatre majors.

**Proposed Description:** Western theatre history from the Greeks to the present, including theatre design, performance and production techniques, and representative play, with special emphasis on writing as a vehicle for critical thinking about research and analysis. Serves as the Critical Thinking Through Writing (CTW) course required of all theatre majors.

DROP

- FILM/FLME 2600 RADIO/TV NEW MEDIA HISTORY
- FILM/FLME 2800 INTRODUCTION TO MEDIA STUDIES
- FILM/FLME 2900 LANGUAGE OF FILM THROUGH PROD
COMPUTER SCIENCE

ADD

- **CSC 4360/6360 MOBILE APP DEVELOPMENT 4.0**
  Mobile Application Development. Prerequisite: CSc 3410 with C or better grade. Cross listed with CSc 6360. This course will cover the technologies, tools, frameworks and languages that are most commonly used in developing mobile applications for multiple mobile platforms, including iOS, Android and Windows Mobile. Topics include mobile application design, user interfaces, mobile application demographic and platform delivery, mobile networking, hosting infrastructure, and mobile security.

- **CSC 4750/6750 SEMANTIC WEB 4.0**
  Semantic Web. Prerequisite: CSc 3410 with a grade of C or better. Cross listed with CSc 6750. This course aims to provide an in-depth overview of what the Semantic Web is and how it can be applied. Three major topics will be covered in this course: (1) core technical components and language constructs for the Semantic Web, such as RDF, RDFS, OWL, 2) Linked data concepts/projects and RDF triple stores, such as the Link Data Cloud and SPARQL query language, and finally, (3) real world semantic Web applications including Google’s Rich Snippets, Pinterest’s Rich Pins, Facebook’s OGP and Twitter’s twitter cards, just to name a few.

- **CSC 4760/6760 BIG DATA PROGRAMMING 4.0**
  Big Data Programming. CSc 3410 with grade of C or better. Cross listed with CSc 6760. This course will cover the technologies, tools, frameworks and languages that are most commonly used in Big Data Programming, including Hadoop, Hive, Pig, Spark, Storm, SQL, etc. Focus will be on algorithms for analyzing and mining massive datasets, graphs and social network data. Topics include the storage, management, processing and analysis of massive datasets, as well as Big Data governance, security, and privacy issues.

- **CSC 4980/6980 TOPICS IN COMPUTER SCIENCE 4.0**
  Topics in Computer Science. Prerequisite: Consent of Instructor. Selected topics in Computer Science will be covered. Topics include the latest advances in computing. Cross listed with CSc 6980.

- **CSC 8740 ADVANCED DATA MINING 4.0**
  Advanced Data Mining. Prerequisites: CSc 6710 (Database Systems) and CSc 6740 (Data Mining) with a B or better grade. This course will cover a number of advanced concepts in data mining: sequence data analysis, time-series data classification and forecasting (with usage of dynamic time warping and kNN classifiers), high-dimensional data
analysis (with applications to high-dimensional data indexing), and emerging area of spatio-temporal patterns discovery. The lectures will provide students with sufficient foundation to conduct their own, but supervised research on the challenges of mining unconventional data (e.g. image, time-series, or spatiotemporal data) from massive real-life data repositories. Graduate students will gain hands on experience on the chosen aspect of advanced data mining through the completion of an individual graduate-level open-ended research project. 4.000 Credit hours

- CSC 8901 PERSPECTIVES IN CS 1.0
  Perspectives in Computer Science. For the Course Only Option in the M.S. degree, this seminar course is required. This course covers the topics in central areas of computer science, recent developments and future directions. 1.000 Credit Hours

CHANGE

- CSC 7350 JAVA FOR BIOINFORMATICS (Change title)
  **Current Title:** Java for Bioinformatics  
  **Proposed Title:** Programming for Bioinformatics

- CSC 7351 UNIX/C FOR BIOINFORMATICS (Change title, Change description)
  **Current Title:** Unix/C for Bioinformatics  
  **Proposed Title:** Systems Programming for Bioinformatics

  **Current Description:** Unix/C for Bioinformatics. Prerequisite: CSc 7350. An introduction to a high-level programming language and basic data structures with a structured approach to problem solving, algorithmic analysis, and program development with applications in Bioinformatics.

  **Proposed Description:** Systems Programming for Bioinformatics. Prerequisite CSc 7350. An introduction to programming at the level of the operating system. Topics include shell scripting and C programming with an emphasis on bioinformatics applications.
ENGLISH

CHANGE

- ENGL 4300 SR SEM: LITERARY STUDIES-CTW (Change title, Change description)
  
  **Current Title:** Senior Seminar: Literary Studies-CTW  
  **Proposed Title:** Senior Seminar: Literary Studies

  **Current Description:** Senior Seminar: Literary Studies-CTW. Prerequisite: Majors must have completed at least twelve semester hours of upper-division English course work before registering. Limited to 15 students. For English majors only. Opportunity for advanced research and completion of a project. Each seminar focuses on a problem, question, issue, or specialized subject. Topics vary. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all English majors.

  **Proposed Description:** Senior Seminar: Literary Studies. Prerequisite: Majors must have completed at least twelve semester hours of upper-division English course work before registering. Limited to 15 students. For English majors only. Opportunity for advanced research and completion of a project. Each seminar focuses on a problem, question, issue, or specialized subject. Topics vary.

- ENGL 4310A SR SEM: WORKSHOP IN POETRY-CTW (Change title, Change description)
  
  **Current Title:** Senior Seminar: Workshop in Poetry-CTW.  
  **Proposed Title:** Senior Seminar: Workshop in Poetry

  **Current Description:** Senior Seminar: Workshop in Poetry-CTW. Prerequisites: Engl 3150A and Engl 3170 with grades of C or higher. For English majors only. Majors must have completed at least twelve semester hours of upper-division English coursework before registering. Writing and critique of student work at an advanced level. (Limited to 15 students.) Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all English majors.

  **Proposed Description:** Senior Seminar: Workshop in Poetry. Prerequisites: Engl 3150A and Engl 3170 with grades of C or higher. For English majors only. Majors must have completed at least twelve semester hours of upper-division English coursework before registering. Writing and critique of student work at an advanced level. (Limited to 15 students.)

- ENGL 4310B SR SEM: WORKSHOP IN FICTION-CTW (Change title, Change description)
Current Title: Senior Seminar: Workshop in Fiction-CTW
Proposed Title: Senior Seminar: Workshop in Fiction

Current Description: Senior Seminar: Workshop in Fiction-CTW. Prerequisites: Engl 3150B, Engl 3160, and Engl 3180B with grades of C or higher. For English majors only. Majors must have completed at least twelve semester hours of upper-division English coursework before registering. Writing and critique of student work at an advanced level. (Limited to 15 students.) Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all English majors.

Proposed Description: Senior Seminar: Workshop in Fiction. Prerequisites: Engl 3150B, Engl 3160, and Engl 3180B with grades of C or higher. For English majors only. Majors must have completed at least twelve semester hours of upper-division English coursework before registering. Writing and critique of student work at an advanced level.

- ENGL 4320 SR SEM: RHET & COMP-CTW (Change title, Change description)
  Current Title: Senior Seminar in Rhetoric & Composition-CTW
  Proposed Title: Senior Seminar in Rhetoric & Composition.

  Current Description: Senior Seminar in Rhetoric & Composition. Prerequisite: Engl 2150 or 3050 with grade of C or higher, and at least twelve hours of upper-division courses in rhetoric and advanced composition and technical and professional writing. Limited to 15 students. For English majors only. Opportunity for advanced research and completion of a project in rhetoric or composition. Topics vary. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all English majors.

  Proposed Description: Senior Seminar in Rhetoric & Composition. Prerequisite: Engl 2150 or 3050 with grade of C or higher, and at least twelve hours of upper-division courses in rhetoric and advanced composition and technical and professional writing. Limited to 15 students. For English majors only. Opportunity for advanced research and completion of a project in rhetoric or composition. Topics vary.

- ENGL 4330 SR SEM: SEC ENG EDUCAT-CTW (Change title, Change description)
  Current Title: Senior Seminar: Secondary English Education-CTW
  Proposed Title: Senior Seminar: Secondary English Education

  Current Description: Senior Seminar: Secondary English Education-CTW. Prerequisite: twelve hours upper-division English prior to registration. English majors only. Opportunity for advanced research and completion of a project. Each seminar examines a
set of texts in relationship to effective pedagogical strategies. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all English majors.

**Proposed Description:** Senior Seminar: Secondary English Education. Prerequisite: twelve hours upper-division English prior to registration. English majors only. Opportunity for advanced research and completion of a project. Each seminar examines a set of texts in relationship to effective pedagogical strategies.
GEOSCIENCES

ADD

- GEOL/GEOS 4008/6008 ROCK FRACTURE AND FLUID FLOW 3.0
  Prerequisite: GEOL 4007 and GEOL 4013 with a C or higher or consent of instructor.
  Formation and analysis of rock fracture and its relationship to hydraulic properties of shallow dual porosity aquifers, flow equations in fractured rock, hydraulic testing of fractured rock, role of fracture in karstification, methods of detection and analysis of fractured aquifers. 3.000 Credit hours.

CHANGE

- GEOG/GEOS 4650/6650 APPLIED HYDROLOGY (Change title)
  Current Title: Applied Hydrology
  Proposed Title: Surface Water Hydrology

- GEOS 8002 METHODS OF GEOGRAPHIC RESEARCH (Change title)
  Current Title: Methods of Geographic Research
  Proposed Title: Geoscience Research Methods
GERONTOLOGY

CHANGE

- GER 8800 DIR READINGS IN GERONTOLOGY (Change description)

  **Current Description:** Directed Readings in Gerontology. Individual reading in a selected area of gerontology, directed by a faculty member. May be taken more than once if topics are different.

  **Proposed Description:** Directed Readings in Gerontology. Individual reading in a selected area of gerontology, directed by a faculty member. A student may take no more than 3 credit hours of GER 8800.
HISTORY

ADD

- **HIST 3645 CONTEMPORARY AFRICA 3.0**
  This course explores the major historical, socio-political, cultural and economic developments, which have shaped conditions in Africa, since the Second World War. The topics will cover major development from the impact of the Second World War in Africa to the Ebola Crisis and the War on Terror in Africa today. These historical developments continue to have an impact on how we interpret Africa’s most recent past, while holding tremendous implications for the continent’s current circumstances and future prospects.

- **HIST 4190 AMERICAN CULTURE AND IDEAS I 4.0**
  This course will explore the history of American culture and ideas from the colonial era to the Civil War through books, essays, films, novels, and more.

CHANGE

- **HIST 4200 AMERICAN CULTURE AND IDEAS (Change title)**
  **Current Title:** American Culture and Ideas  
  **Proposed Title:** American Culture and Ideas II

- **HIST 4290 ENSLAVEMENT IN THE AMERICAS (Change title, Change description)**
  **Current Title:** Enslavement in the Americas  
  **Proposed Title:** Slavery and Resistance in the Americas  

  **Current Description:** Enslavement in the Americas. (Same as AAS 4620.) Comparative examination of systems of captivity and forced labor in the western hemisphere and the social development and popular responses of captive Africans to these systems. Emphasis on the continuities of African culture and the unique adaptation of culture and social organization in each country. The nature of resistance and the process of eliminating the system of captivity.

  **Proposed Description:** (Same as AAS 4620.) Comparative examination of systems of captivity and forced labor in the western hemisphere and the social development and popular responses of captive Africans and their descendants to these systems. Emphasis on the continuities of African culture and the unique adaptation of culture and social organization in each country. The nature of resistance and the process of eliminating the system of captivity, with a focus on Maroon nations in the Americas.

- **HIST 4540 BRIT, IRE & BRIT ATL 1485-1689 (Change title, Change description)**
Current Title: Britain, Ireland, and the British Atlantic, 1485-1689
Proposed Title: Britain and the World, 1500-1700

Current Description: Britain, Ireland, and the British Atlantic, 1485-1689. Transition from medieval to modern England; special attention to the medieval constitution; the Tudor system of governance; religious innovation and conflict; society, gender and the preindustrial economy; the political and conceptual revolutions of the seventeenth century.

Proposed Description: Britain and the world, 1500-1700. Credit hours: 4.0. The history of the early modern British Isles and their interaction with the wider world. Special attention to the Reformation; changes in governance; civil war; society, gender, and the preindustrial economy. Also includes emphasis on interactions between the different countries of the British Isles, and to contact between Britain and the wider world though imperialism, trade, and travel.

- HIST 4550 BRIT, IRE, & EMPIRE SINCE 1689 (Change title, Change description)
  Current Title: Britain, Ireland, and the British Empire since 1689
  Proposed Title: Britain & the World Since 1700

  Current Description: Britain, Ireland, and the British Empire since 1689. The intertwined histories of Britain, Ireland, and the British Empire and Commonwealth since the late seventeenth century; ascendancy of a British imperial state and spread of a global empire; emergence of metropolitan, colonial, and diasporan identities; interplay of gender, class, and race; impact of decolonization and globalization.

  Proposed Description: Exploration of the interconnected histories of the British Isles, the British empire, and the wider world since the eighteenth century; rise of British economic, political, and cultural power on a world scale; politics of class, gender, race, and nation in metropole, colonies, and diasporas; vicissitudes of global hegemony and imperial rivalry; decline, decolonization, and globalization.

- HIST 8260 EARLY MOD BRIT, IRISH ATL HIS (Change title, Change description)
  Current Title: Seminar in Early Modern British, Irish, and Atlantic History
  Proposed Title: Britain and the Early Modern World

  Current Description: Seminar in Early Modern British, Irish, and Atlantic History. Selected topics in the history of early modern Britain, Ireland, and the Atlantic. May be repeated if topics vary.
**Proposed Description:** Britain and the early modern world. Credit hours: 4.0. The history of the early modern British Isles and their interaction with the wider world, with an emphasis on both historiography and the use of primary sources. Attention both to social and cultural changes within Britain (e.g. religion, civil war, gender, state power) and to contact with areas beyond the British Isles via imperialism, trade, and travel.

- **HIST 8270 MOD BRIT, IRISH & IMP HIST (Change title, Change description)**
  
  **Current Title:** Seminar in Modern British, Irish and Imperial History
  
  **Proposed Title:** Britain and the Modern World

  **Current Description:** Seminar in Modern British, Irish and Imperial History. Selected topics in the history of modern Britain, Ireland and the British Empire. May be repeated if topics vary.

  **Proposed Description:** Hist 8270: Britain and the Modern World. Credit hours: 4.0. Selected topics in the interconnected histories of the British Isles, the British Empire, and the wider world since the eighteenth century. May be repeated if topics vary.
MATHEMATICS AND STATISTICS

ADD

- **MATH 3350 SCIENTIFIC COMPUTING 3.0**
  Prerequisite: C or higher in Math 2215 and Math 2641. This course will provide an introduction to programming in the Matlab, focusing on the knowledge and skills that are useful to scientific computing. The topics considered for this class include: basic Matlab concepts, matrix manipulations, linear algebra functions, plotting and visualizing functions, ordinary differential equations, basic statistical analyses and simple symbolic derivations. At the end of the class students should be able to use Matlab to address a variety of mathematical and statistical problems, which will be very useful for both learning new mathematical concepts as well as for applying them to mentored research.

- **MATH 8501 EPIDEMIOLOGY 3.0**
  Prerequisite: Grade of C or higher in MATH 4010/6010 Mathematical Biology, basic probability, statistics, and programming skills. Infectious Disease Epidemiology. The course covers fundamentals of developing and applying mathematical models of the spread and control of infectious diseases including influenza, Ebola, dengue, and HIV/AIDS. At the end of the course, students will be able to design and analyze new models of disease transmission and use these models to assess the effect of control interventions.

- **STAT 8310 BAYESIAN DATA ANALYSIS 3.0**
  Bayesian Data Analysis. This course will cover the topics in the theory and practice of Bayesian statistical inference, ranging from a review of fundamentals to questions of current research interest. Motivation for the Bayesian approach. Bayesian computation, Monte Carlo methods, asymptotics. Model checking and comparison. A selection of examples and issues in modeling and data analysis. Discussion of advantages and difficulties of the Bayesian approach. This course will be computationally intensive through analysis of data sets using the R statistical computing language. Prerequisites: Math 4752/6752 (Mathematical Statistics II) or equivalent, R programming.

CHANGE

- **MATH 4275 APPLIED DYNAMICAL SYSTEMS (Change prerequisite)**
  **Current Prerequisite:** Math 3260, and Math 3435 or 3030 with grades of C or higher
  **Proposed Prerequisite:** Prerequisite: Math 3260 with a grade of C or higher
SCHOOL OF MUSIC

ADD

- MUA 1430 FUNDAMENTALS OF MUSIC 2.0
  Fundamentals of Music. This course is a music appreciation class that provides an introduction to the fundamental theory aspects of music. Topics covered include notation, intervals, scales, rhythm, and meter. Elementary ear training and basic keyboard harmony are also incorporated. This course is not intended for music majors, but for those with limited to no experience reading music. For non-majors and music minors.

CHANGE

- MUS 1450 THEORY II (Change prerequisite)
  **Current Prerequisite:** Score of 90 percent or higher on the School of Music Fundamentals Examination.
  **Proposed Prerequisite:** MUS 1440 Theory I Grade C or higher

- MUS 3310 INTRO TO MUSIC EDUCATION (Change title, Change description)
  **Current Title:** Introduction to Music Education-CTW
  **Proposed Title:** Introduction to Music Education
  
  **Current Description:** Introduction to Music Education-CTW. Prerequisite: Consent of instructor. Foundations of music teaching and learning, with emphasis on school settings. Issues, skills and knowledge applicable to general, choral, and instrumental music education. Includes observation and field experience.

  **Proposed Description:** Introduction to Music Education. Prerequisite: Consent of instructor. Foundations of music teaching and learning, with emphasis on school settings. Issues, skills and knowledge applicable to general, choral, and instrumental music education. Includes observation and field experience.
NEUROSCIENCE

ADD

- NEUR 2010 CAREERS IN NEUROSCIENCE 2.0
  Careers in Neuroscience. No prerequisites. Two lecture hours per week. Activities/topics: Two lecture hours per week. The Careers in Neuroscience is designed to be an engaging and interesting way to learn to help Neuroscience majors learn about different careers and opportunities in science. CV and resume development, goal statement development, opportunities to meet guest speakers representing different career paths in neuroscience, and professional development skill building. An Area F elective for Neuroscience Majors.

- NEUR 3001 PRINCIPLES OF NEUROSCIENCE II 4.0
  Principles of Neuroscience II. Prerequisites: NEUR 3000 with a C or higher. 4 lecture hours per week. Comprehensive basis for understanding discoveries and methods in neuroscience. Topics include neurodevelopment, as well as the neural basis of sleep, motivation, emotion, cognition, memory, and mental illness. Required for Neuroscience majors.

- NEUR 4060/6060 NEUROPHYSIOLOGY 4.0
  Neurophysiology. Prerequisite: Neur 3000 with a grade of C or higher. The physiology of nervous systems, including the physiological bases of excitability, synaptic transmission and integration, sensory and motor processing, and behavioral choice. Current experimental and computational approaches to neurophysiological questions will be discussed. An elective for neuroscience majors. 4.0 Credit hours.

- NEUR 4070/6070 SENSORY NEUROSCIENCE 3.0
  NEUR 4070/6070 Sensory Neuroscience. Credit Hours: 3.0. Prerequisites: NEUR 3000 or BIOL 4102, or PSYC 4110, Neur 6010, or Biol 6102 with a grade of C or higher. Three lecture hours per week. The course will cover the neural basis of sensation and perception, from neural coding in the sense organs to cortical representation leading to perception. The neurobiology of vision, audition, somatosenses (touch and pain), and chemical senses (taste and smell) will be covered. An elective for Neuroscience majors.

- NEUR 4080/6080 CLINICAL NEUROSCIENCE 4.0
  Clinical Neuroscience Prerequisite: Neur 3000 with a grade of C or higher. This course will examine the neurobiological basis of mental disorders such as depression and schizophrenia as well as of neurological conditions such as Parkinson’s and Alzheimer’s Diseases. Additional topics include psychoneuroimmunology, stress and coping, the role
of genetics and epigenetics in neurological and neuropsychiatric disorders, and the role of gut microbes in health and disease. An elective for neuroscience majors. 4.0 Credit hours.

- **NEUR 6050 SCIENTIFIC METHODS IN NEUR 4.0**
  Statistics for Neuroscience. Prerequisite: Neur 3000, Biol 4102, Neur 6010, or Biol 6102, or equivalent, with a grade of C or higher. Three lecture and one laboratory hour per week. Course provides an introduction to research design, data analysis, and scientific communication as applied to neuroscience research questions. Topics include fundamentals of hypothesis testing and research design, descriptive data collection techniques, and data analysis and interpretation using correlation, regression, t-tests, and univariate design. Concepts are introduced to the class through lecture and discussion, then applied in the associated laboratory course. Student progress is assessed via homework, quizzes and in-class examinations. 4.000 Credit Hours

- **NEUR 8420 PRINCIPLES OF COGNITIVE NEUROSCIENCE 3.0**
  Principles of Cognitive Neuroscience. The integrated study of cognitive sciences and neurosciences (i.e. the neural systems underlying cognitive processes). The topics covered include basic neuroanatomy and physiology, neuroimaging methods, and the study of various mental processes linked to brain structure and function in normal human populations, with discussion of the potential relationships between neural circuitry and the formation of internal experience through the integration of sensation, perception, prediction, action, and evaluation.

**CHANGE**

- **NEUR 2000 INTRO TO NEUROSCIENCE (Change title, Change description, Change credit hours)**

  **Current Title:** Introduction to Neuroscience  
  **Proposed Title:** You and Your Brain

  **Current Description:** Introduction to Neuroscience. Two lecture hours per week. An introduction to the neural basis of the mammalian nervous system, with emphasis on the structure and function of the human brain. Topics include the function of nerve cells, sensory systems, control of movement, learning and memory, and diseases of the brain. An Area F elective for Neuroscience Majors.

  **Proposed Description:** Three lecture hours per week. This course explores how the nervous system works and how this knowledge affects our daily lives and our society. How do brain cells work? What do we know about the structure of the brain? How do we perceive the world and interact with it? How is mental illness reflected in brain function?
Topics are explored with lectures, in-class activities, and critiques of popular media related to neuroscience. This course can be used in Area D. 3.000 Credit Hours

**Current Credit Hours:** 2.0  
**Proposed Credit Hours:** 3.0

- **NEUR 3000 PRINCIPLES OF NEUROSCIENCE** (Change title, Change prerequisite)  
  **Current Title:** Principles of Neuroscience  
  **Proposed Title:** Principles of Neuroscience I

  **Current Prerequisite:** Biol 2108K and Chem 1212K with a C or better  
  **Proposed Prerequisite:** Biol 2108K and Chem 1212K with a C or higher. Students may enroll concurrently in Biol 2108K.

- **NEUR 3010 NEUROSCIENCE LABORATORY** (Change prerequisite, Change description)  
  **Current 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.  
  **Proposed Prerequisite:** Neur 3000 with a grade of C or higher.

  **Current Description:** Neuroscience Laboratory. 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. Two lecture and six laboratory hours a week. Laboratory techniques in neuroscience, including intra- and extracellular electrophysiology, computational methods, molecular and cellular neuroscience, neuroanatomy, immunocytochemistry, and neuroethology. Required for Neuroscience majors. 4.000 credit hours.

  **Proposed Description:** Neuroscience Laboratory. Prerequisites: Neur 3000 with a grade of C or higher. Six laboratory hours a week. Laboratory techniques in neuroscience, including extracellular electrophysiology, molecular and cellular neuroscience, fluorescence microscopy, neuroanatomy, immunocytochemistry, and neuroethology. Required for Neuroscience majors. 4.000 credit hours.

- **NEUR 3020 SCIENTIFIC METHOD NEUR-CTW** (Change description)  
  **Current Description:** The Scientific Method in Neuroscience-CTW. Prerequisite: Neur 3000 with a grade of C or higher. Provides experience in research design, data analysis and written scientific communication needed for advanced neuroscience courses. Assignments emphasize the student’s ability to express critical thinking through writing.
Required for Neuroscience majors. Serves as one of two Critical Thinking through Writing (CTW) courses required of all Neuroscience majors. 4.000 credit hours.

**Proposed Description:** The Scientific Method in Neuroscience-CTW. Prerequisite: Neur 3000 with a grade of C or higher. Three lecture hours a week. Provides training in research design, data analysis and written scientific communication needed for advanced neuroscience courses. Assignments emphasize the student’s ability to express critical thinking through writing. Required for Neuroscience majors. Serves as the Critical Thinking through Writing (CTW) course required of all Neuroscience majors. 4.000 credit hours.

- **NEUR 4010 CELL & MOLECULAR NEUROSCIENCE (Change description)**
  **Current Description:** Cellular and Molecular Neuroscience. Prerequisite: Neur 3000 with a grade of C or higher. Topics include excitable membranes and cells, ion channels, synaptic transmission and plasticity, ion channels and receptors, neural development, and axon guidance. An elective for Neuroscience majors. 4.000 credit hours.

  **Proposed Description:** Cellular and Molecular Neuroscience. Prerequisites: Neur 3000 with a grade of C or higher. Four lecture hours a week. Topics include excitable membranes and cells, ion channels and receptors, synaptic transmission and plasticity, neural development, axon guidance, dendritic development; neural circuit construction; molecular signaling in neurons; molecular bases of neurological diseases; modern methods in cellular and molecular neuroscience. An elective for Neuroscience majors. 4.000 credit hours.

- **NEUR 4030/6030 COMPUTATIONAL NEUROSCIENCE (Change prerequisite, Change description)**
  **Current Prerequisite:** Neur 3000, Math 2201, Math 2202, Phys 2211K, and Phys 2212K with grades of C or better
  **Proposed Prerequisite:** Neur 3000, Math 2201 or equivalent, with grades of C or higher.

  **Current Description:** A project-based course giving maximal exposure to model building and hypothesis testing. Each student will keep an electronic laboratory journal of simulation results, describing the scientific question, the model used, the specific simulations, including all parameter values, the results, analysis and interpretation. Each student will make 4 presentations of their work, one in each area covered during the course. An elective for Neuroscience majors.
**Proposed Description:** A project-based course focused on building and testing computational models of neurons, networks, and neural circuits that mediate animal behavior. An elective for Neuroscience majors. 4.000 Credit hours.

- **NEUR 4040/6040 NEUROETHOLOGY (Change description)**
  **Current Description:** Neuroethology. Prerequisite: Neur 3000 or Biol 4102, or equivalent, with a grade of C or higher. Four lecture hours per week. The neural basis of behavior from an ethological perspective. The course will cover discoveries, techniques, and concepts underlying neuroethological research. Developmental, evolutionary and comparative approaches are emphasized. An elective for Neuroscience majors. 4.000 credit hours.

  **Proposed Description:** Neuroethology. Prerequisite: Neur 3000 or Biol 4102, or equivalent, with a grade of C or higher. Four lecture hours per week. The neural basis of natural animal behavior. This course covers sensory motor coding of behavior in a diverse array of animals including bats, owls, electric fish, and songbirds. It provides a unique perspective for students who want to understand the general principles underlying neural control of behavior. Developmental, evolutionary and comparative approaches are emphasized. Students will read classic papers as well as cutting-edge primary literature. An elective for Neuroscience majors.

- **NEUR 4050 STATISTICS FOR NEUROSCIENCE (Change description, Change credit hours)**
  **Current Description:** 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

  **Proposed Description:** Statistics for Neuroscience. Prerequisite: Neur 3000 or equivalent (BIOL 4010) with a grade of C or higher. Three lecture and one laboratory hour per week. Course provides an introduction to research design, data analysis, and scientific communication as applied to neuroscience research questions. Topics include fundamentals of hypothesis testing and research design, descriptive data collection techniques, and data analysis and interpretation using correlation, regression, t-tests, and univariate design. Concepts are introduced to the class through lecture and discussion, then applied in the associated laboratory course. Student progress is assessed via homework, quizzes and in-class examinations. 4.000 Credit Hours
Current Credit Hours: 3.0
Proposed Credit Hours: 4.0

- NEUR 4370 APPLIED DYNAMICAL SYSTEMS (Change prerequisite)
  Current Prerequisite: Math 3260 and Math 3435
  Proposed Prerequisite: Math 2201 or 2211, with a grade of C or higher

- NEUR 4910 TOPICS IN NEUROSCIENCE-CTW (Change title, Change description, Change prerequisite)
  Current Title: Topics in Neuroscience-CTW
  Proposed Title: Topics in Neuroscience
  Current Prerequisite: Neur 3000, Neur 3010, and Neur 3020 with grades of C or better
  Proposed Prerequisite: Neur 3000 with grades of C or better
  Current Description: Topics in Neuroscience-CTW. Prerequisite: Neur 3000, Neur 3010, and Neur 3020 with grades of C or better. An in-depth treatment of a specific topic in neuroscience, using this topic to develop skills in research design, data analysis, and written communication of results, emphasizing students' ability to express critical thinking through writing. Required for Neuroscience majors. Serves as one of two Critical Thinking through Writing (CTW) courses required of all Neuroscience majors.
  Proposed Description: Topics in Neuroscience. Prerequisite: Neur 3000 with grades of C or better. An in-depth treatment of a specific topic in neuroscience, using this topic to develop skills in research design, data analysis, and written communication. An elective for Neuroscience Majors.

DROP

- NEUR 4960 CAREERS IN NEUROSCIENCES 2.0
- NEUR 6410 SENSATION AND PERCEPTION 3.0
PHILOSOPHY

CHANGE

- PHIL 4860 FEMINIST PHILOSOPHY (Change prerequisite)
  Current Prerequisite: None
  Proposed Prerequisite: One 2000 or 3000-level philosophy course, or consent of instructor.
PHYSICS & ASTROMONY

ADD

- ASTR/PHYS 8120 PLASMA PHYSICS AND MEGNETOHYDR 3.0
  Plasma Physics and Magnetohydrodynamics. Prerequisites: PHYS 8100 and PHYS 8110 with grades of B- or higher. Description: Three lecture hours a week. This course provides an introduction to the physics of plasmas, with an emphasis on developing a physical understanding of the non-intuitive nature of plasmas, and acquiring the basic techniques required for carrying out research in plasma physics.

CHANGE

- PHYS 3800 OPTICS (Change description, Change credit hour)
  **Current Description:** Optics. Prerequisite: Phys 2212K with grade of C or higher. Three lecture hours a week. Fundamentals and applications of optics: diffraction, interference, lasers, fiber optics, and applications of optical instrumentation.

  **Proposed Description:** Three lecture hours and one two hour laboratory per week. Lectures cover fundamentals and applications of wave and ray optics: image formation, diffraction, interference, polarization, spectroscopy, lasers, fiber optics and applications of optical instrumentation. Laboratories will develop more fully topics covered in lectures.

  **Current Credit Hours:** 3.0
  **Proposed Credit Hours:** 4.0

- PHYS 4950 SENIOR RESEARCH (Change title, Change prerequisites, Change description)
  **Current Title:** Senior Research
  **Proposed Title:** Advanced Research

  **Current Prerequisites:** Phys 3401 with a grade of C or higher
  **Proposed Prerequisites:** Permission of instructor

  **Current Description:** Senior Research. Prerequisites: Phys 3401 with a grade of C or higher. Training in the techniques of basic research in physics and application of these techniques to research projects of current importance. May be repeated for a maximum of three credit hours.
**Proposed Description:** Permission of instructor. (This course is intended for students who wish to have additional research experience, under the supervision of a research faculty. Consent of the designated faculty member is needed.) Advanced research in a faculty-led research group including training in techniques of advanced research in physics and astronomy and application of these techniques to research projects of current importance. May be repeated for a maximum of three credit hours. This course may include a Signature Experience component.
POLITICAL SCIENCE

ADD

- EURO 3234 INTRO TO EU 3.0
  Introduction to the European Union. An introduction to the history, institutions, and policies of the European Union. The course also examines the role of the EU as a global actor, including its relations with the United States. This is an online course. These courses are open to any majors. Political Science majors can count EURO courses towards their major.

- EURO 4130 EU LAW & LEGAL SYSTEMS 3.0
  European Union Law and Legal Systems. A study of EU legal institutions and processes in the context of international law and in comparison to those of the United States. This is an online course. Course is open to all majors. Political Science majors can apply EURO courses towards their major.

- EURO 4160 EU FEDERALISM & MLG 3.0
  Federalism and Multilevel Governance in the European Union. A comparison of multilevel governance and policymaking in the European Union with that of the United States and other federal systems. This is an online course. Course is open to all majors. Political Science majors can apply EURO courses towards their major.

- EURO 4230 EU BUSINESS 3.0
  Doing Business in the European Union. A study of business protocol in the EU compared to the United States. The course focuses on institutions and rules which impact the business environment for domestic and international firms, and on how political decisions affect the business environment. This is an online course. The course is open to all majors. Political Science majors can apply EURO courses towards their major.

- EURO 4260 EUROPEAN MONETARY UNION 3.0
  European Monetary Union. An examination of the history and evolution of the European Economic and Monetary Union and its impact on the United States and the global economy. This is an online course. Course is open to all majors. Political Science majors can apply EURO courses towards their major.

- EURO 4330 EU SCIENCE & TECH POLICY 3.0
  European Union Science and Technology Policy. An examination of EU science and technology policy compared to that of the United States. The course examines how governments can encourage scientific and technological innovation and whether government can (or should) try to limit or control technological innovation. This is an
online course. Course is open to all majors. Political Science majors can apply EURO courses towards their major.

- **EURO 4430 EU ENVIRONMENTAL POLICY 3.0**
  European Union Environmental Policy. A survey of critical issues in EU environmental policy, including key environmental problems, the challenges of making and implementing environmental policy in the EU's multilevel governance system, and future prospects for EU environmental regulation. This is an online course. Course is open to all majors. Political Science majors can apply EURO courses towards their major.

- **EURO 4530 EU SOCIAL POLICY 3.0**
  European Social Policy. An examination of social policy and current social policy issues and arrangements in Europe and the EU. This is an online course. Course is open to all majors. Political Science majors can apply EURO courses towards their major.

- **EURO 4630 EU COMMUNICATIONS & MEDIA 3.0**
  European Union Communications and Media. A comparison of communications and media in the EU with the United States. The course examines media law, policies, and practices in voice telephony, the Internet, and social media. This is an online course. Course is open to all majors. Political Science majors can apply EURO courses towards their major.

- **EURO 4730 EU FOREIGN POLICY 3.0**
  European Union Foreign Policy. An examination of the foreign policy of the EU. Examines how EU foreign policy is made, the intersection of national and EU foreign policies, and EU policies regarding key issues in countries and areas of the world. This is an online course. The course is open to all majors. Political Science majors can apply EURO courses towards their major.

- **EURO 4760 US-EU RELATIONS 3.0**
  United States - European Union Relations. An examination of relations between the United States and the European Union, including US-EU cooperation on global issues and the future of Transatlantic relations in a changing world. This is an online course. Course is open to all majors. Political Science majors can apply EURO courses towards their major.

- **EURO 4830 EU CAPSTONE 3.0**
  European Union Studies Capstone Course. A capstone course for students in the EU Studies online certificate program. The course explores selected topics in a way that allows students to synthesize their knowledge of the EU. Non certificate program
students can also take this as a stand-alone course examining the EU in comparative perspective. This is an online course. The course is open to all majors. Political Science majors can apply EURO courses towards their major.
PSYCHOLOGY

ADD

- PSYC 2060 INTRO TO POSITIVE PSYCHOLOGY 3.0
  Introduction to Positive Psychology Prerequisites: none. This course explores the field of positive psychology. The empirical findings in the areas of positive emotions, happiness and well-being, meaning of life, resilience, optimism, happiness and relationships, and techniques for improving moods and emotions, will be examined.

- PSYC 4330 PHILOSOPHY OF THE MIND 3.0
  Philosophy of Mind. Prerequisite: One 2000 or 3000-level philosophy course, or consent of instructor. Cross Listed with PHIL4330 Summary of course activities/topics: An examination of various theories of the mind-body relationship, such as dualism, identity theory, and functionalism, and of specific issues such as consciousness, mental representation, mental disorders, the emotions, artificial intelligence, personal identity, and free will.

- PSYC 4340 PHILOSOPHY AND COGNITIVE SCI 3.0
  Philosophy and Cognitive Science. Prerequisite: One 2000 or 3000-level philosophy course, or consent of instructor (background in the sciences is not required). Cross-listed courses: PHIL4340. Summary of course activities/topics: An interdisciplinary examination of the problems, theories, and research strategies central to the study of the human mind and of other cognitive systems. Basic readings will come from a variety of disciplines, including philosophy, neuroscience, and psychology. Topics of investigation may include perception, mental representation, language, modularity, consciousness, emotions, moral psychology, action, mental disorders, folk psychology, and animal minds.

- PSYC 4777 MORAL PSYCHOLOGY 3.0
  Moral Psychology. Prerequisite: One 2000 or 3000-level Philosophy course, or consent of the instructor. Cross-listed Courses: PHIL4770. Summary of course activities/topics: Examination of how humans function in moral contexts and how this information may impact debates in ethical theory. Drawing from relevant literature in philosophy, psychology, neuroscience, and other sciences, topics may include moral judgment and intuitions, moral disagreement, reason and emotion, moral agency and responsibility, character traits and virtues, altruism and egoism, and moral development.

- PSYC 4780 NEUROETHICS 3.0
  Neuroethics. Prerequisite: One 2000 or 3000-level Philosophy course, or consent of the instructor. Cross-listed courses: PHIL4780. Summary of course activities/topics: Neuroethics considers how ethical theories inform neuroscientific practice and how
neuroscientific discoveries inform ethical theorizing. Topics may include ethical protocols for neuroscience research, ethical and legal implications of neuroscientific research, and implications of neuroscience for debates about moral behavior and judgment.

- **PSYC 4801 SEMINAR-GROUP I 3.0**
  Seminar - Group I. Prerequisites: PSYC3530 with a grade of C or better. Summary of course activities/topics: Preparation and presentation of survey reports and summaries of recent advances and trends in major areas of psychology (preference to seniors). Fulfills the requirement for Group 1, Advanced Required Courses, under Area G.

- **PSYC 4802 SEMINAR-GROUP II 3.0**
  Seminar - Group II. Prerequisite: PSYC3530 with a grade of C or better. Summary of course activities/topics: Preparation and presentation of survey reports and summaries of recent advances and trends in major areas of psychology (preference to seniors). Fulfills the requirement for Group 2, Advanced Required Courses, under Area G.

- **PSYC 4803 SEMINAR-GROUP III 3.0**
  Seminar - Group III. Prerequisite - PSYC3530 with a grade of C or better. Summary of course activities/topics: Preparation and presentation of survey reports and summaries of recent advances and trends in major areas of psychology (preference to seniors). Fulfills the requirement for Group 3, Advanced Required Courses, under Area G.

- **PSYC 8600 PRINC COG NEURO 3.0**
  Principles of Cognitive Neuroscience. The integrated study of cognitive sciences and neurosciences (i.e. the neural systems underlying cognitive processes). The topics covered include basic neuroanatomy and physiology, neuroimaging methods, and the study of various mental processes linked to brain structure and function in normal human populations, with discussion of the potential relationships between neural circuitry and the formation of internal experience through the integration of sensation, perception, prediction, action, and evaluation.

**CHANGE**

- **PSYC 3901 STUDY ABROAD PSYC (Change description)**
  **Current Description:** Study Abroad in Psychology. Prerequisite: permission of instructor. Special international topics in psychology completed at a study abroad location.

  **Proposed Description:** Study Abroad in Psychology. Cross-listed with AAS4970. Prerequisite: permission of instructor. Special international topics in psychology completed at a study abroad location.

- **PSYC 8510 ADVANCED SOCIAL PSYCHOLOGY (Change title)**
Current Title: Advanced Social Psychology
Proposed Title: Social Psychology.

- PSYC 8610 BEHAVIORAL NEUROSCIENCE (Change description)

  Proposed Description: This course will cover neuroanatomy and neurophysiology topics, including functional neural systems including sensory and motor systems, cortical and autonomic nervous systems. Normal function will contrasted with clinical cases and pathologies.
RELIGIOUS STUDIES

ADD

- RELS 3700 TOPICS IN RELIGIOUS STUDIES 3.0
  Topics in Religious Studies. Introduction to a selected topic in religion. May be repeated if topic varies, but only six credit hours (in combination with Rels 4700) may be applied toward the major.

- RELS 4090/6090 JESUS IN AND OUTSIDE GOSPELS 3.0
  Jesus Inside and Outside the Gospels. Comparative study of portrayals of Jesus as they have evolved over the past two millennia. Topics may include the differences between the Synoptic and Johannine materials, non-canonical gospels, the way Jesus is depicted in texts from other religions (e.g., Quran, Gandhi’s "What Jesus Means to Me"), and visual depictions of Jesus, including in modern media such as film and the internet.

- RELS 4280/6280 RACIAL THOUGHT 3.0
  Racial Thought in Religion and Philosophy. Race is a concept that divides humanity. As such, it has been used by religion and philosophy to define others as lower orders of humanity while articulating how higher orders of humanity, the civilized, the intelligent, the righteous, and so on think, feel, and act. In response, marginalized groups have argued against the religious and philosophical assumptions and conclusions based on divisions of race, and have presented new visions of their cultures, intelligence, and spiritual worth. This course will evaluate the logic of racial thought, its presence in religion and philosophy, and the difficult process of countering the resulting forms of racism that structure minds and lives.

CHANGE

- RELS 4610/6610 HINDUISM (Change description)
  Current Description: Hinduism. (Same as Phil 4610.) Introduction to the Hindu gods and goddesses, Hindu temple and domestic worship, and key themes in modern Hinduism. Will include an overview of the development of Hindu thought and practice from ancient times to the present.

  Proposed Description: Introduction to the Hindu gods and goddesses, Hindu temple and domestic worship, and key themes in modern Hinduism. Will include an overview of the development of Hindu thought and practice from ancient times to the present.

- RELS 4615/6615 BUDDHISM (Change title, Change description)
  Current Title: Buddhism
Proposed Title: Introduction to Buddhism in Asia and the West

Current Description: Buddhism. (Same as Phil 6615.) Historical introduction to the Buddhist tradition, tracing its developments in India, Southeast Asia, Tibet, China, Japan, and the West.

Proposed Description: Introduction to Buddhism in Asia and the West. This course offers a selective historical survey of the Buddhist traditions in India, Southeast Asia, Tibet, China, Japan, and North America. Topics include the life and image of Buddha, the four noble truths, the philosophy of emptiness, the discipline of meditation, ethics and popular practice, devotional cults, and the concept of nirvana.

- RELS 4620/6620 CONFUCIANISM AND TAOISM (Change title, Change description)
  Current Title: Confucianism and Taoism
  Proposed Title: Introduction to Daoism, Confucianism, and the Religions of China

  Current Description: Confucianism and Taoism. (Same as Phil 6620.) Historical introduction to Chinese religion and philosophy, tracing their developments in Confucianism and Taoism. Some consideration is given to Chinese Buddhism and popular religion.

  Proposed Description: Introduction to Daoism, Confucianism, and the Religions of China. This course offers a selective historical survey of the Daoist, Confucian, Buddhist, and folk traditions of China. Topics will include gods and goddesses, ritual, questions of human nature, ethics, death and the afterlife, and mysticism.

- RELS 4625/6625 ZEN AND SHINTO (Change title, Change description)
  Current Title: Zen and Shinto
  Proposed Title: Introduction to Zen Buddhism, Shinto, and the Religions of Japan

  Current Description: Zen and Shinto. (Same as Phil 6625.) Historical introduction to Japanese religion and philosophy, tracing their developments in Shinto, folk religion, and various Buddhist schools. Special consideration is given to Zen Buddhism.

  Proposed Description: Introduction to Zen Buddhism, Shinto, and the Religions of Japan. This course offers a selective thematic survey of the Shinto, Buddhist, and folk traditions of Japan, with a special emphasis on Zen Buddhism. Topics include attitudes toward nature, the interpenetration of religion and the arts, monasticism and meditation practices, modern Zen philosophy, new religious movements, and the influence of the West.
• RELS 4650/6650 RELIGION AND ETHICS (Change description)
  **Current Description:** Religion and Ethics. (Same as Phil 6650.) Study of the relation between religion and morality, including both Eastern and Western religious perspectives. Topics may include such issues as warfare, social justice, sexual ethics, and issues in modern medicine.

  **Proposed Description:** Study of the relation between religion and morality, including both Eastern and Western religious perspectives. Topics may include such issues as warfare, social justice, sexual ethics, and issues in modern medicine.

• RELS 4670/6670 CHURCH AND STATE (Change description)
  **Current Description:** Church and State. (Same as Phil 6670.) Philosophical and theological perspectives on the relationship between church and state. Issues such as conscientious objection, school prayer, the "free exercise" of religion, and Islamic attitudes toward the state.

  **Proposed Description:** Philosophical and theological perspectives on the relationship between church and state. Issues such as conscientious objection, school prayer, the "free exercise" of religion, and Islamic attitudes toward the state.

• RELS 4680/6680 WAR, PEACE, AND RELIGION (Change description)
  **Current Description:** War, Peace, and Religion. (Same as Phil 6680.) Comparative study of attitudes towards war and peace in major religious traditions. Topics may include the Christian just-war tradition; Islamic notions of jihad; Buddhist renunciation and pacifism; the writings of Gandhi; nuclear arms and the status of noncombatants; civil disobedience and conscientious objection; and religiously-motivated terrorism.

  **Proposed Description:** Comparative study of attitudes towards war and peace in major religious traditions. Topics may include the Christian just-war tradition; Islamic notions of jihad; Buddhist renunciation and pacifism; the writings of Gandhi; nuclear arms and the status of noncombatants; civil disobedience and conscientious objection; and religiously-motivated terrorism.

DROP

• RELS 3290 JESUS IN AND OUTSIDE GOSPELS 3.0
• RELS 4140/6140 RELIGION AND LAW 3.0
• RELS 4300/6300 METAPHYSICS 3.0
• RELS 4485/6485 ETHICS & MORALITY IN ISLAM 3.0
**ADD**

- **WGSS 8006 FEMINIST PEDAGOGY 3.0**
  Feminist Pedagogy. This course presents an introduction to both theoretical and practical components of feminist pedagogy. The phrase “feminist pedagogy” refers to pedagogical practices that work to be anti-oppressive and liberatory. It develops within a tradition of critical pedagogy, which involves both a critique of the university as a place that acts as a “gatekeeper” for class privilege and “appropriate” subject-formation as well as a vision of the university where we can contest power relations and imagine new possibilities for expanding the intelligible. In other words, feminist pedagogy imagines the classroom as a space to encourage deep exploration of social problems in order to critically evaluate and explore social justice frameworks. In the class, students will utilize these theoretical frameworks in order to develop their own specific goals and evaluate specific teaching strategies for use in their own classrooms.

**CHANGE**

- **WGSS 3010 FEMINIST THEORIES-CTW (Change title, Change description)**
  **Current Title:** Feminist Theories-CTW  
  **Proposed Title:** Feminist Theories  
  **Current Description:** Feminist Theories-CTW. Prerequisite: WSt 2010 with a grade of C or better. Introduction to critical questions and contemporary debates in U.S. feminist theories, including the interrelations between increasing globalization and theorizing gender/sexuality. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all women's studies majors.
  
  **Proposed Description:** Feminist Theories. Prerequisite: WGSS 2010 with a grade of C or better. Introduction to critical questions and contemporary debates in U.S. feminist theories, including the interrelations between increasing globalization and theorizing gender/sexuality.

- **WGSS 4920 SENIOR RESEARCH-CTW (Change prerequisite, Change description)**
  **Current Prerequisite:** WSt 2010 with a grade of C or better and 3010  
  **Proposed Prerequisite:** WGSS 2010 with a grade of C or better  
  **Current Description:** Opportunity to do advanced work on a chosen topic, to be chosen by the student and her/his advisor. The major components of the course include developing in-depth researching and writing skills through focusing on the process
involved in writing and revising a major paper. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all women's studies majors. May be repeated to a maximum of six hours.

**Proposed Description:** Opportunity to do advanced work on a chosen topic, to be chosen by the student and her/his advisor. The major components of the course include developing in-depth researching and writing skills through focusing on the process involved in writing and revising a major paper. Serves as the Critical Thinking Through Writing (CTW) course required of all women's, gender, and sexuality studies majors. May be repeated to a maximum of six hours.

- WGGS 4950 INTERNSHIP- CTW (Change prerequisite, Change description)
  **Current Prerequisite:** WSt 2010 with a grade of C or better and 3010
  **Proposed Prerequisite:** WGSS 2010 with a grade of C or better

  **Current Description:** Opportunity to combine academic study with practical experience in an organizational setting specializing in attention to women's or gender related issues. A revised paper and internship journal are required. Serves as one of the two Critical Thinking Through Writing (CTW) courses required of all women's studies majors.

  **Proposed Description:** Opportunity to combine academic study with practical experience in an organizational setting specializing in attention to women's or gender related issues. A revised paper and internship journal are required. Serves as the Critical Thinking Through Writing (CTW) course required of all women's, gender, and sexuality studies majors.
WORLD LANGUAGES & CULTURES

ADD

- ARBC 1102 INTRO ARABIC GRAMMAR & SYNTAX 2.0
  This online only asynchronous course will cover the basic grammar and syntax of Arabic, as a means of supplementing a performance-based approach in regular first-year Arabic courses. Students will learn at their own pace how to properly recognize, form and use basic structures of the language. Instructors and tutors will be available at specific times via Internet chat to answer students' questions.

- FORL 4650 OPENING SCHOOL EXPERIENCE 0.0
  Students gain practical experiences in the school and classroom during the week of preplanning and the first week of school. While assisting in the classroom, students learn effective procedures for beginning the school year.

- KORE 3001 ADVANCED KOREAN I 3.0
  This course is designed to enable learners to achieve advanced levels of speaking, listening, reading, writing, and grammar skills in Korean. In addition, this course aims to help students understand various aspects of Korean culture and society. Some examples of the kinds of topics covered in this course are: 1) Birthday Parties, 2) Beauty Salons and Barbershops, 3) Hobbies, and 4) Holidays in Korea. Prerequisite: completion of KORE 2002 with grade C or higher, or permission from Korean program coordinator.

- KORE 3002 ADVANCED KOREAN II 3.0
  As a continuation of KORE 3001, this course enables learners to achieve the advanced level of speaking, listening, reading, writing and grammar skills in Korean. In particular, this course places an emphasis on developing reading and writing skills. Classes are divided into three parts: Lectures, Drills and Performances. Some examples of the kinds of topics covered in this course are: 1) Hospitals and Drugstores, 2) Marriage, 3) Cultural Differences, and 4) Majors and Jobs. Prerequisite: completion of KORE 3001 with grade C or higher, or permission from Korean program coordinator.

CHANGE

- SPAN 8601 SPANISH LINGUISTICS (Change prerequisite)
  Current Perquisite: Span 8600 or equivalent
  Proposed Prerequisite: None

DROP
• ARBC 4999/6999 DIRECTED READING 1.0-4.0
• FREN 4995 DIRECTED READING B.I.S.-CTW 3.0-4.0
• FREN 4999 DIRECTED READINGS 1.0-4.0
• GRMN 4995 DIRECTED READING B.I.S-CTW 3.0-4.0
• GRMN 4999 DIRECTED READINGS 1.0-4.0
• GRMN 6990 INDEPENDENT STUDY 1.0-4.0
• SPAN 4995 DIRECTED READINGS B.I.S.-CTW 3.0-4.0
• SPAN 4999/6999 DIRECTED READINGS 1.0-4.0