NEW TOPIC TITLES

**BIOL 861** Advances in Cell and Molecular Biology (2)  
*Prerequisite: Graduate standing or consent of the instructor.*  
Examination of current topics and advances in cell, molecular, and developmental biology. May be repeated when topics vary.  
1) Topics in Epigenetics  
2) Topics in Fluorescence Microscopy

**CLAS 720** Seminar in Classical Languages and Literature (3)  
*Prerequisite: Graduate standing in Classics or consent of the instructor.*  
In-depth exploration of one or more authors of or themes within ancient Greek and/or Roman literature. Topic to be specified in Class Schedule. May be repeated when topics vary.  
1) Ancient Literature: Translation, Reception, Reproduction  
2) Plato and Greek Sexuality

**CSC 698** Topics in Computing (3)  
*Prerequisite: Upper-division standing or consent of the instructor.*  
Current topics in computer hardware/software technologies. Topics to be specified in the Class Schedule. May be repeated when topics vary. May be repeated for a total of 9 units.  
1) Real-Time Cross-Platform Application Development

**HIST 101** Critical Thinking in History (3)  
Exploration of how to think historically and critically analyze the work of historians. Subject matter includes identifying, differentiating, constructing, and evaluating arguments, recognizing fallacies, and applying formal and informal reasoning to the study of the past. Topic to be specified in the class schedule. May be repeated when topics vary. (Plus-minus ABC/NC grading only)  
1) Future Histories: Dystopia and Historical Thinking

**HIST 705** Approaches to History (3)  
*Prerequisite: HIST 700 or consent of the instructor.*  
Broad exposure to a single approach to history in a way that would build upon and serve as a companion to HIST 700. Course readings are global in scope and cover a broad wide swath of time. Topic to be specified in the Class Schedule. May be repeated when topics vary. (Plus-minus letter grade only)  
1) Approaches to Political History
**PLSI 460**  Topics in American Politics (4)
*Prerequisite: Upper-division standing or consent of the instructor.*  
Exploration of a specific area of American politics. Topics may include voting and representation, policymaking in areas such as education and social welfare, relations between state and federal government, the politics of reform, the media and politics, etc. May be historical or contemporary. Topics to be specified in the Class Schedule. May be repeated for a total of 16 units when topics vary.
1) The Politics of Reform  
2) State and Federal Politics

**PLSI 607**  Senior Seminar in Comparative Politics (3)  
*Prerequisites: Restricted to Political Science majors and minors; upper-division standing; a PLSI GWAR and PLSI 250.*  
Focus on the specialization and particular interests of the Professor in question in the field of Comparative Politics. Topics to be specified in the Class Schedule. May be repeated for a total of 12 units when topics vary upon advisement.
1) Politics of the Middle East & North Africa

**NEW COURSES**

**A U 116**  Statistics for Social Justice (3): Regular/GE/State Studies; CS-04; Fall 2018  
Using topics such as education equity, income inequality, racism and white supremacy and gender inequality to examine data using statistics. Statistical concepts covered include but are not limited to: organization of data, sample surveys, measures of central tendency and dispersion, probability distributions, normal approximations, and statistical inference.

**A U 117**  Algebra and Statistics for Social Justice (4): Regular/GE/State Studies; CS-04; Fall 2018  
Using topics such as education equity, income inequality, racism and white supremacy and gender inequality to examine data using statistics. Statistical concepts covered include but are not limited to: organization of data, sample surveys, measures of central tendency and dispersion, probability distributions, normal approximations, and statistical inference. Includes a one-unit algebra supplemental component.

**AMST 200**  Introduction to American Studies (3): Regular; CS-02; Fall 2018  
An interdisciplinary examination of U.S. culture and society introducing the major issues, approaches, and objects of study of the field of American Studies. Topics may include conquest and empire, citizenship and belonging, globalization and neoliberalism. (Plus-minus ABC/NC, CR/NC allowed)

**ANTH 631**  Society, Technology and Medicine (3): Regular; CS-02; Fall 2018  
*Prerequisites: Restricted to upper-division standing; ANTH 300; or consent of the instructor.*  
Introduction to society, technology, and medicine; key themes; disciplinary vantage points; historic background topics; critical evaluation of policy controversies.
**ART 335** Printmaking Processes: Drawing the Multiple (3): Regular; CS-07; Fall 2018
*Prerequisite: Art 231.*
Overview of traditional printmaking processes that utilize drawing and the hand-made mark. Emphasis on developing students’ fluency in materials and connecting printmaking processes and history with contemporary practice. Activity.

**ART 441** Art and Social Function (3): Topics; CS-07; Fall 2018
*Prerequisites: Restricted to Art majors and minors; any 200-level Studio Art course.*
Interdisciplinary examination of the role of the artist as citizen through the production of artworks focusing on Social Justice. Research, production/preparation, and action exploring the broadening context in which to display, engage, and intervene in social spaces within the gallery walls and beyond. Activity. May be repeated when topics vary.

1) Artist as Citizen and the Public Space
2) Chicanismo, Latinismo y California
3) Borders, Boundaries, Change

**ART 548** Glaze Calculation (3): Regular; CS-07; Fall 2018
*Prerequisites: Restricted to upper-division Art majors and minors; ART 545; or consent of the instructor.*
Understanding and experimenting with raw ceramic materials and their use in the formulation of clays and glazes. Basic kiln designs and firing techniques. Emphasis on proper, safe handling of materials and effective use of material and process. Activity.

**ART 709** Studio Research and Practice Seminar (3): Regular; CS-05; Fall 2018
*Prerequisite: Restricted to graduate Art students or consent of the instructor.*
Sustained, in-depth investigation of specific areas, themes, and theories within art practice and curatorial practice. Primary research may include travel for one-time events, fieldwork, exhibitions, direct community involvement and interdisciplinary collaboration. May be repeated for a total of 18 units.

**BIOL 670** Ecology and Evolution of Marine Systems I (6): Regular/State Studies (GWAR); CS-02 & CS-16; Fall 2018
*Prerequisites: BIOL 240, BIOL 458, and ENG 214, or equivalents with grades of C or better; concurrent enrollment in BIOL 671 and BIOL 699 or BIOL 897.*
Introduces highly motivated students to ecological and evolutionary processes that structure subtidal marine environments from the top down (emphasizing effects of predation). Students conduct independent field research and develop scientific writing skills. Lecture, 2 units; laboratory, 2 units. (Plus-minus letter grade only)
BIOL 671 Ecology and Evolution of Marine Systems II (6): Regular/State Studies; CS-02 & CS-16; Fall 2018
Prerequisites: BIOL 240 and BIOL 458 with grades of C or better; concurrent enrollment in BIOL 670 and BIOL 699 or BIOL 897.
Introduction to ecological and evolutionary processes that structure subtidal marine environments from the bottom up (emphasizing foundational habitats). (Plus-minus letter grade only)

BIOL/SCI 719 Exploring and Practicing Science Communication (2): Cross-list; CS-05; Fall 2018
Prerequisite: Graduate standing or consent of the instructor.
Communicating about science is a natural part of any scientist’s life. We will delve into what others have learned about science communication, experiment with tools that communicate our work and goals, and develop skills to engage a broad range of people to how our science is relevant and important.
(This course is offered as BIOL 719 and SCI 719. Students may not repeat the course under an alternate prefix.)

BUS 896EXM Culminating Experience Examination (0): Regular; CS-78; Fall 2018
Prerequisites: Minimum 12 units at the 800 level; overall GPA and ATC GPA of at least 3.0; concurrent enrollment in BUS 890.
Individual written examination based on knowledge and application of multi-disciplinary business courses and strategic management. (CR/NC grading only)

C J 535 Alternatives to Criminalization (3): Regular; CS-02; Fall 2018
Prerequisites: Restricted to upper-division standing; C J 300.
Examination of the causes and consequences of criminalization with a focus on alternative responses that improve safety and communities without the use of police, jails or prisons. Study of the criminalization of drugs, poverty, immigrants, youth, sex work, and/or other communities or practices. Engagement with Bay Area organizations working on community organizing and redistributive policies as solutions to the problems of criminalization, incarceration, and harm – such as harm reduction, restorative justice, etc. Reflexive, ethical practice of qualitative methods, focused on ethnography and Participatory Action Research.

CHEM 879 Research Methods I (3): Regular; CS-02; Fall 2018
Prerequisite: Graduate standing or consent of the instructor.
Development of background, specific research aims, methods, and outcomes; literature review, writing assignments, and oral presentations. (Plus-minus letter grade, RP grading only)

CINE 480 Material Cinema Workshop (3): Regular; CS-02; Fall 2018
Prerequisites: Restricted to Cinema majors and minors; CINE 310 or CINE 710; or consent of the instructor.
Exploration of the meaning, histories, and strategic use of photographic material in cinema. (Plus-minus letter grade only)
CINE 605 Exhibition, Distribution and Festivals - Film Marketing (3): Regular; CS-01; Fall 2018

Prerequisites: Restricted to upper-division Cinema majors or minors; CINE 200*, CINE 202*, CINE 204*, CINE 211*, CINE 212*, or equivalents, with grades of C or better; or consent of the instructor.

Overview of the strategies, options and practicalities of film exhibition, distribution and marketing, within both an industry and independent filmmaking context. Emphasis on film festivals and digital distribution modes and venues.

CSC 109 Introduction to Computational Concepts (2): Regular; CS-13; Fall 2018

Prerequisite: Concurrent enrollment in CSC 110.

Basic concepts of computational thinking. Building blocks of programming and computational problem-solving. Designed to promote understanding of key concepts and enhance student success in CSC 110, with hands-on programming assignments and/or workbooks. Activity.

CSC 110 Computational Thinking and Quantitative Reasoning (3): Regular/GE; CS-01; Fall 2018

Prerequisite: To be updated per the outcome of the EO 1110 review process.

Basic building blocks of programming and Computational Thinking practices, including Analyzing the Effects of Computation, Creating Computational Artifacts, Using Abstractions and Models, Analyzing Problems and Artifacts, Communicating Processes and Results, Working Effectively in Teams. Mathematical models and information retrieval from real-world data sets will be used as vehicles to practice programming and computation thinking.

CSC 847 Cloud and Distributed Computing: Concepts and Applications (3): Regular; CS-04; Fall 2018

Prerequisites: Restricted to senior Computer Science majors and graduate Computer Science students; CSC 415* with a grade of C or better; or consent of the instructor.

Infrastructure as a service, platform as a service, and software as a service; enabling techniques behind cloud computing including virtualization, multi-tenancy, and service-oriented architecture; cloud storage options such as NoSQL databases; emerging technologies such as containers and Kubernetes; parallel/distributed computing platforms including MapReduce and Apache Sparc; hands-on experience on public clouds such as the Amazon Cloud and Google Cloud. (Plus-minus letter grade only)

CSC 876 Soft Computing and Decision Support Systems (3) Regular; CS-02; Fall 2018

Prerequisite: CSC 810 or consent of the instructor.

**ENG 242** The Eco-Gothic in Literature and the Arts (3): Regular/GE/State Studies; CS-03; Fall 2018
Examination of how literary and visual artists depict the mystery and power of the natural world, explore ecological disturbance, dramatize the consequences of technological progress, and question the human desire to dominate nature.

**ENG 402** Introduction to Professional Writing and Rhetoric (3): Regular; CS-03; Fall 2019
*Prerequisites: Restricted to English majors; GE Area A2.*
Introduction to the contexts and rhetorical strategies of professional writing. Examination and evaluation of a variety of professional documents in terms of their rhetorical and design features; practice producing and designing professional documents using a variety of digital and multimedia tools; exploration of the nature of professional audiences and discourses in order to write more effectively; studying how to construct an authentic, professional voice.

**ENG 640** Global Texts and Practices (3): Topics; CS-02; Fall 2019
*Prerequisites: ENG 214 or equivalent or consent of the instructor.*
The global characteristics of language, writing, literature, and/or literacies, across historical periods, genres, and Englishes. Topics to be specified in the Class Schedule. May be repeated when topics vary for a total of 12 units.
1) The Short Story: Global Literature in English
2) Global Cities
3) Post-Colonial Literature in English
4) The Literature of Exile and Migration

**EXCO 301** Topics in the Experimental College (1): Topics; CS-05; Fall 2018
*Prerequisite: Upper-division standing.*
Collaborative learning experiences in which students cooperatively explore a given subject based on their expertise and experience, shared engagement with materials, and a sense of joint ownership of the curriculum under the guidance of a trained student leader. May be repeated when topics vary for a total of 5 units.
1) Salafi-Jihadism: An Examination of the Threat
2) Media Literacy
3) Police Abolishment
4) Social Serendipity: How Individuals Spark Change in America
5) Game of Thrones Psychology

**GER 201** German for Reading Knowledge (3): Regular/GE/State Studies; CS-04; Fall 2018
Translation skills (translation techniques and strategies, German grammar and basic vocabulary) to enable students to read any advanced German text with only the aid of a good dictionary. Translation assignments proceed from texts with very basic grammar to the complex sentence structures characteristic of journalistic, technical, and scholarly writing.
**HIST 307** Monsters & Monstrosity: Historicizing Fear (3): Regular/GE/State Studies; CS-02; Spring 2019  
**Prerequisite: Upper-division standing or consent of the instructor.**  
Examining the “monster” as a product of culture, an entity whose origin story begins in the deepest recesses of humanity’s fears and anxieties. Placing these tales of the supernatural in their historic context, including tales from Medieval Europe, Japan, and Colonial Africa.

**HUM 438** The Reading Experiment: The Power of the Book (3): Regular; CS-02; Fall 2018  
**Prerequisite: ENG 114 or equivalent.**  
Combining creative pedagogical methods and alternative scheduling to encourage intellectual reflection on the experience, nature, and power of reading serious works of literature that reflect on the human condition. Encourages students to reflect on the embodied experience of reading a work of literature from beginning to end in one sitting. (Plus-minus ABC/NC, CR/NC allowed)

**HUM 540** Topics in Comics Studies (3): Regular; CS-02; Fall 2018  
**Prerequisite: HUM 325 or consent of the instructor.**  
Deep examination of a particular genre, time period, region, or emphasis within the comics medium. Focus on primary and theoretical/contextual readings, and will include opportunities to make as well as reflect on comics. Topics to be specified in the Class Schedule. May be repeated when topics vary.

1) San Francisco Underground Comics

**HUM 706** Image and Culture: Picturing the World (3): Regular; CS-05; Fall 2018  
**Prerequisite: Graduate standing or consent of the major advisor or the instructor.**  
Examination of visual culture in relation to other cultural forms, particularly narrative, with reference to the distinct grammar and vocabulary of visual cultural studies.

**JAPN 310** Advanced Readings in Japanese II (3): Regular/State Studies; CS-02; Spring 2019  
**Prerequisites: JAPN 301*, JAPN 302*, JAPN 250 (Level I) or equivalents.**  
Further development of Japanese-as-a-second/foreign-language learners’ written Japanese proficiency by focusing on reading skills. Reading materials used in this course address a variety of issues related to Japanese culture, history, and society, so that students will deepen their understanding of the backgrounds of their target language.

**JS 468/JOUR 454/BECA 468** Israeli Media Landscape: Journalism, Communications, and Society (3): Regular; CS-02; Fall 2018  
**Prerequisite: ENG 114.**  
Introduction to Israel's media institutions and the forces that have shaped the country's present media landscape. The development of Israeli media from the birth of Hebrew-language newspapers in Europe, through the first decades of statehood, the shift towards a market economy in the 1980s, and the implications of the digital revolution on local media outlets. Topics include party press; establishment of public broadcasting and recent struggles for its reform; the rise of commercial broadcasting; and major corruption affairs. (This course is offered as JS 468, JOUR 454, and BECA 468. Students may not repeat the course under an alternative prefix.)
**KIN 310** Youth Development Instructional Analysis I (3): Regular; CS-11; Fall 2018  
*Prerequisites: KIN 240, KIN 250, and KIN 384; or consent of the instructor.*  
Introduction to the theoretical and practical applications of the Teaching Personal and Social Responsibility Model (TPSR), a youth development physical activity-based curriculum model. Focus on TPSR goals, strategies and a developmental progression for using the model. Learn how to teach, plan and assess fundamental movement skills, and facilitate the California Physical Education Standards through the context of softball and tennis. Activity. (Plus-minus letter grade only)

**KIN 312** Youth Development Instructional Analysis II (3): Regular; CS-11; Spring 2019  
*Prerequisites: KIN 240, KIN 250, KIN 310, and KIN 384; or consent of the instructor.*  
Extended implementation of TPSR to the broader field of youth development including research conducted, assessment tools, unit plan development, and specifically how TPSR and Youth Development facilitate the California Physical Education Standards. Students will also continue learning how to teach, plan and assess fundamental movement skills through the context of basketball and volleyball. Activity. (Plus-minus letter grade only)

**LS/HUM 440** Mind, Body, and Culture (3): Cross-list; CS-02; Fall 2018  
*Prerequisite: ENG 114 or equivalent.*  
Interdisciplinary exploration of how our bodies, emotions, and internal biases affect our thinking and influence how we respond to the world. Investigation of how our worlds and cultures affect our bodies and minds.

**MATH 107** Mathematics for Business Calculus I (3): Regular; CS-04; Fall 2018  
For students in placement category III or IV, or for students who have not passed Math 60 or Math 70.  
Introduction of the necessary business vocabulary. Review of numbers and operations, exponents and radicals, functions in general, and linear, quadratic, polynomial, rational, exponential, and logarithmic functions in particular, in context of business, finance, and economy. Introduction to mathematics of finance: simple and compound interest, annuities, amortization.

**MATH 122** Mathematics for Statistical Quantitative Reasoning (2); Regular; CS-04; Fall 2018  
*Prerequisite: Concurrent enrollment in a statistics-based GE Area B4 course. For students in placement category III or IV, or for students who have not passed Math 60 or Math 70.*  
Review of mathematics in context of elementary statistics: numbers, fractions, decimals, percentages; units; rounding; formulas and scientific notation; order of operations; algebra of equations; graphs and plots; sets; principals of counting.

**MATH 123** Mathematics for Elementary Statistics (2); Regular; CS-04; Fall 2018  
*Prerequisite: Concurrent enrollment in MATH 124. For students in placement category III or IV, or for students who have not passed Math 60 or Math 70.*  
Review of mathematics in the context of elementary statistics: numbers, fractions, decimals, percentages; units; rounding; formulas and scientific notation; order of operations; algebra of equations; graphs and plots; sets; principals of counting.
MATH 197 Prelude to Calculus I (3): Regular; CS-04; Fall 2018
For students in placement category III or IV, or for students who have not passed Math 60 or Math 70.
Review of numbers and operations, exponents and radicals. Linear, quadratic, polynomial, and rational functions. Exponential growth and exponential functions. Logarithmic functions. The transcendental number e and natural logarithms.

MLL 785 Practicum in Teaching Language and Literature (1-3): Regular; CS-78; Fall 2018
Prerequisites: Restricted to graduate students and consent of the instructor.
Under the direction of supervising faculty, students serving as classroom teaching assistants guide discussions, give presentations, help prepare pedagogical materials, etc., and regularly receive faculty feedback to help develop their capacities as teachers. May be repeated for a total of 4 units. (CR/NC grading only)

MUS 280 Traditions and Current Practices of Music and Sound for Healing (3):
Regular/GE/State Studies; CS-02; Fall 2018
Introduction to the history and traditions of music and sound for healing purposes. The role of music as healing will be examined as an artistic endeavor and a social phenomenon. Contemporary techniques such as sonic neuro-technologies, singing bowls, and tuning forks will be explored through direct experiences and journal reflections.

PLSI 472 Civic and Political Engagement (4): Regular/State Studies; CS-02; Fall 2018
Prerequisite: Upper-division standing or consent of the instructor.
Examines civic engagement: theories and practices of civic and political action in the U.S. Draws on the scholarship, history, practices, and lessons of community organizing traditions to connect those lessons to current political issues. Includes study of participating in public dialogue on issues, volunteering, voting, holding public office, community organizing and political advocacy, protest and civil disobedience.

PLSI 479 The United States Congress (4): Regular; CS-02; Fall 2018
Prerequisite: Upper-division standing or consent of the instructor.
Study of the members and institutions of the U.S. Congress. Examination of individual members of Congress, their interests, and their actions; how Congress interacts with other institutions and groups; and the role that parties and partisanship play in Congress.

PLSI 556 Constitutional Law: First Amendment (4): Regular; CS-02; Fall 2018
Prerequisite: PLSI 478, or consent of the instructor.
Examination of important Supreme Court decisions interpreting the Free Speech Clause of the First Amendment. Students brief cases on the First Amendment and analyze Supreme Court opinions on free speech doctrine.

PLSI 557 Constitutional Law: The Fourteenth Amendment (4): Regular; CS-02; Fall 2018
Prerequisite: PLSI 478, or consent of the instructor.
Examination of important Supreme Court decisions interpreting the 14th Amendment of the U.S. Constitution. Study of the Equal Protection and Due Process Clauses.
**RRS 295** Race, Public Art, and Creative Resistance (3): Regular/GE/State Studies; Fall 2018

Introduction to the history of public arts among communities of color, from Los Angeles, Albuquerque, San Antonio, and New York. How have artists made use of public art--posters, teatro, murals, billboards, "walking murals," puppetry, among others--to contest racist caricature and stereotyped images of people of color. How have they promoted new visions of community, of society, of social justice? (Plus-minus letter grade only)

**SOC 375** Sociology of Drugs and Drug Use in the United States (3): Regular; CS-02; Fall 2018

*Prerequisite: Restricted to upper-division standing or consent of the instructor.*

The social history of drugs and drug use (including prescription, street, alcohol, synthetic, marijuana) in American culture. Examination of social control, social stigma, policies and practices. (Plus-minus letter grade only)

**SPAN 841** Historical Memory in Spain: Culture and Politics Through a Transatlantic Approach (3): Regular; CS-05; Fall 2018

*Prerequisite: Restricted to graduate students in the Spanish MA Program or consent of the instructor.*

Examination of the political and cultural struggle in Spain stemming from the Historical Memory Law (2007) and the related Social and Civil Rights Movements. Study of cultural objects which represent the Second Republic (1931-1939), the Spanish Civil War (1936-1939) and the Franco Dictatorship (1936-1975) from the Transition until today. Comparison with remembrance processes of Latin American states.

**SPAN 898** Master's Thesis (3): Regular; CS-25; Fall 2018

*Prerequisites: Consent of the instructor and approval of Advancement to Candidacy (ATC) for the Master of Arts in Spanish and Culminating Experience (CE) forms by Graduate Studies.*

Thesis must be written in Spanish. Advancement to Candidacy (ATC) and Proposal for Culminating Experience Requirement forms must be approved by the Graduate Division before registration. (CR/NC, RP grading only)

**TH A 316** Scenic Painting Laboratory (2): Regular; CS-02 & CS-20; Fall 2018

*Prerequisite: TH A 205 (may be taken concurrently) or consent of the instructor.*

Practical experiences in technical work associated with university productions in the area of scenic painting. Lecture, 1 unit; activity, 1 unit. May be repeated for a total of 4 units.

**TH A 317** Production Run Crew for Live Performance (2): Regular; CS-36; Fall 2018

*Prerequisites: Restricted to Theatre Arts majors or minors; TH A 205 and one lab course (TH A 310, TH A 312, TH A 313, or TH A 316); or consent of the instructor.*

Practical experience in the onstage technical support associated with university productions in the areas of scenery, properties, lighting, sound, costuming, or makeup. May be repeated for a total of 4 units.
**TH A 437** Audition Techniques for Musical Theatre (3): Regular; CS-02 & CS-21; Fall 2018

*Prerequisites: Restricted to upper-division standing; TH A 230 or equivalent or consent of the instructor.*

Designed to introduce and/or enhance the student to specific techniques and skills necessary to audition for academic and professional theatre with confidence. Development of audition material and presentation skills will be the principal focus. The introduction of sound philosophies in obtaining successful and sound, practical tools for preparation and execution of a successful audition will be established. Other aspects of auditioning including discussions on the business of ‘the show,” wardrobe, social media and networking will be addressed. Lecture, 2 units; activity, 1 unit.

**WGS 896** Directed Reading - Culminating Experience Examination Preparation (3): Regular; CS-05; Fall 2018

*Prerequisites: WGS 700 and advancement to candidacy.*

Research, writing and preparation for the M.A. Exam, in consultation with faculty on a specialized topic as well as standardized topics to include feminist theories, queer theories, social movements, embodiment and political economy emphasizing feminist lenses. (CR/NC grading only)