

Course ID is link to course proposal document

Course Review Committee Agenda
October 10, 2016

NEW TOPIC TITLE

ERTH 795 Selected Topics in the Geosciences (3)

Prerequisites: Graduate standing or consent of instructor.

Topic to be specified in Class Schedule. May be repeated for a maximum of 12 units when topics vary. (Plus-minus letter grade only)

- 1) Oceanographic Processes in the California Current System

HIST 642 Proseminar: American History (3)

Prerequisites: Upper division standing or consent of instructor; ENG 214 or equivalent, HIST 300GW.

Seminar-style culminating experience focused principally on topics in US History. Topic to be specified in Class Schedule. May be repeated when topics vary.

- 1) Silicon Valley: Social Life of Technology

HIST 790 Seminar in American History since 1877 (3)

Prerequisite: Graduate standing in History or consent of instructor.

Graduate seminar in a topic, theme, or problem in U.S. history since the period of Reconstruction. Topic to be specified in Class Schedule. May be repeated when topics vary.

- 1) Culture and Society in Modern America

NEW COURSES

CHEM 877 Computing Material Properties with First-Principles **200528**

Density Functional Theory (1): Experimental; CS-13; Spring 2017

Prerequisites: Graduate standing and a course in quantum chemistry, or consent of instructor.

Introduction to the skills and theory necessary to perform Density Functional Theory calculations of materials with a focus on how to calculate the properties of materials, such as the band structure, and on the background theory for these calculations, such as reciprocal space.

Laboratory.

CINE 544/ Cinemedia Online Journal (3):

CINE 844 Regular; CS-12; Spring 2017

Prerequisite for CINE 544: CINE 340. Restricted to Cinema major and minor.

Prerequisite for CINE 844: Graduate standing in Cinema or consent of instructor.

Examination of the shifting role of academic critical and creative media in a digital age, as filtered through design, creation, curation, editing, and distribution of a web-based School of Cinema academic journal. Emphasis on learning critical, curatorial, and new media best practices and exploring practical possibilities for contemporary written, audio-visual, interactive, and expanded media work. Activity. May be repeated for a total of 6 units. (Plus-minus letter grade only)

(CINE 544/CINE 844 is a paired course offering. Students who complete the course at one level may not repeat the course at the other level.)

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**C J 471 Contemporary Issues in Juvenile Justice (3): 200530
Regular; CS-02; Spring 2017**

Prerequisite: Upper division standing or consent of instructor.

Examination of the punitive turn in juvenile justice and the impact on youth. Consideration of how changing concepts of childhood, criminal behavior, and moral development impacted the juvenile court system. Analysis of how courts have responded to the punitive turn with a focus on reform and decarceration.

**C J 605 Criminalization of Gender and Sexuality (3): 200535
Regular; CS-05; Spring 2017**

Prerequisite: Upper division standing or consent of instructor.

Examination of the criminalization of gender and sexuality utilizing feminist and queer perspectives on criminality; understanding of how laws, policing practices, courtrooms, and institutions regulate gender and sexuality; and examination of effects on labor market opportunities, life chances, and gendered ideas of protection and punishment.

**COUN 110 Critically Thinking about Career Choice: Self, 200536
Community, Society, and World (3): Regular; CS-02; Fall 2017**

Principles and practice of critical thinking focus on career choice and development. Examination of personal, cultural, family and community perspectives on work life choices. Critique of labor market information and popular media and examination of role of work locally, societally, and globally attending to social justice and environmental issues. (Plus-minus letter grade only)

CSC 698 Topics in Computing (3): Generic; CS-02; Spring 2017 200537

Prerequisite: Upper division standing or consent of instructor.

Current topics in computer hardware/software technologies. Title to be specified in Class Schedule. May be repeated when titles vary.

Titles
1) Interactive Multimedia Development
2) Augmented Reality Software Systems

**CSC 877 Topics in Big Data Analysis (3): 200543
Experimental; CS-02; Spring 2017**

Prerequisites: Graduate standing; CSC 510 or equivalent or consent of instructor.

Introduction to current topics in data sciences and big data analysis. (Plus-minus letter grade only)

ENGR 470 Biomechanics (3): Regular; CS-02; Spring 2017 200539

Prerequisites: ENGR 300 and ENGR 309. Restricted to Mechanical and Civil Engineering major and minor.

Understanding and characterizing the mechanical behavior of biological tissues and systems with emphasis on the fundamentals of biomechanics including force analysis, mechanics of deformable bodies, stress analysis, and viscoelasticity. (Plus-minus letter grade only)

