

# Experimental and Selected Topics

Each academic year, the University may offer a series of Experimental and Selected Topics courses designed to meet certain immediate needs or advancements in the standard academic curriculum. Additional faculty review is required before incorporation of Experimental Topics courses in the university catalog. Selected Topics offer intensive study in an area that changes from semester to semester; these courses do not appear in the university catalog.

Experimental and Selected Topics courses may carry full academic credit toward fulfillment of degree requirements. However, these courses do not fulfill requirements in General Education unless previously approved by the University.

For class numbers and more complete information about the content of these courses, consult the department that offers the course.

## UNDERGRADUATE EXPERIMENTAL TOPICS

Course numbering: 196A-Z; 296A-Z; 396A-Z; 496A-Z

## GRADUATE EXPERIMENTAL TOPICS

Course numbering: 595A-Z; 695A-Z

## SELECTED TOPICS

Course numbering system varies from department to department (e.g., 495A-Z or 596A-Z)

## COLLEGE OF ARTS, MEDIA AND COMMUNICATION

### ART 296GD. INTRODUCTION TO TYPOGRAPHY (3)

Prerequisite: Art 140. Theory and practice of letterforms and typography as they apply to graphics, advertising and other areas of design and visual communication. Projects cover principles of typography, letter structure, typeface selection, fundamentals of computer typesetting, and typographic layout. 9 hours lab.

### CTVA 496PPS POST PRODUCTION SOUND DESIGN FOR FILM AND TELEVISION (3)

Prerequisite: CTVA 355 or 340. Advanced course with a specialized foundation in post production sound recording and mixing. The course will explore the theory and professional practice of sound design for film and television. Topics include history, theory, dialogue editing, sound effects, Foley, ADR, and surround sound. Dual emphasis on individual creativity and production group dynamics. 3 hours lecture 3 hours lab.

### JOUR 496 MW SPANISH LANGUAGE MEDIA WRITING (3)

Prerequisite: Upper-division level of Spanish-language writing proficiency. The course will educate students in the methods and styles of reporting and writing in Spanish for print and broadcast. It will prepare students to take part in the program's media practica. Six hours of classroom and activity required.

### MUS 496H/HL SOUND DESIGN FOR MULTIMEDIA (2/1)

A practical exploration of techniques for recording, synthesizing, and processing sound for multimedia presentation suitable for both musicians and non-musicians. The course will explore the physical aspects of sound, digital audio, sample manipulation, and synthesis, as well as the basic aural properties of sound and approaches to designing the evolution of sound over time. Various multimedia presentation modes will be explored which may include sound diffusion in the concert hall, installations, CD-ROMs/video games, film, and the Internet. The course will also include listening to and writing analyses of works from a variety of multimedia genres, and readings and discussion in the aesthetics of electronically created art.

## COLLEGE OF BUSINESS AND ECONOMICS

### BLAW 496 BUSINESS, ETHICS AND VALUES (3)

Prerequisite: BLAW 280. The purpose of this course is to provide an understanding of ethics and values in the business environment. The course will examine the ethical issues managers face in organizations within the context of values. Students are taught to recognize ethical issues and examine the values used to make decisions, explore the role of ethics in the workplace, understand the legal environment in which ethical issues arise, consider the role of professional standards in the context of business ethics, and discuss the organizational structures and processes for ensuring ethical conduct. The course uses the case method to provide a process- and problem-solving orientation, to apply ethical concepts to situations, and to provide a basis to internalize knowledge, growth and experience.

## COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

### ME 396AMD/L APPLIED MACHINE DESIGN/LAB (2/1)

Prerequisite: ME286A, ME286B, CE340. This course teaches a creative engineering design process with lectures and the engineering and design of a machine/robot to compete in a design contest at the end of the semester. Students first learn to identify the functional requirements of their machine, and create, develop the best strategies/concepts using fundamental principles and analysis and experimentation. Students then decompose their best concept into modules and proceed to systems integration, testing/debugging. Project and risk management are introduced as a tool to help students complete the project on time and budget. Throughout the course, physics and application of machine elements are emphasized in lecture and lab. Engineering professional responsibilities and ethics are also stressed. 2 hours of lecture/discussion and 3 hours of lab per week.

### ME 496GDT COMPUTER-AIDED GEOMETRIC DIMENSIONING AND TOLERANCING (3)

Prerequisite: ME330. Fundamental principles of geometric dimensioning and tolerancing (GD&T) and their applications in computer aided mechanical design. Interpretation of fits, limits and tolerances. Thorough analysis of coordinate and positional tolerancing. Gaging techniques, material conditions and current standards examined. Design project required. 3 hours lecture per week.

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## **ME 595AIV AUTONOMOUS INTELLIGENT VEHICLE (3)**

Prerequisite: Senior standing or graduate student. Overview of the state of the art on autonomous ground vehicles. Locomotion, mobile kinematics, perception, localization, planning and navigation of autonomous vehicles. Emphasis will be placed on chassis design, various sensor performance and navigation algorithm development. Knowledge of motion control, vision perception, and GPS navigation will be gained through course projects.

## **ME696MAO ADVANCED MODELING, ANALYSIS AND OPTIMIZATION II (3)**

Prerequisite: ME501A, ME686A. Advanced Mechanical System Modeling, simulation missions, trade-off studies and optimization. Application of integrated design methods and techniques to Mechanical Engineering system design. Integrated Collaborative Environment (ICE) used in conjunction with Virtual Design Portal (VDP) for information sharing. Team design project required. 3 hours lecture per week.

## **MSE 595CT/L CAD/CAM ADVANCED APPLICATIONS AND LAB (2/1)**

Prerequisite: MSE 516/L or consent of instructor. Corequisite: MSE 595CT/L. Examination and employment of advanced CAD/CAM tools throughout the product manufacturing life cycle. Applications to product and fabrication sequences modeling, and to the evaluation of product behavior during automated processes and assembly operations in the production system. 2 hours of lecture-discussion and 3 hours of lab per week.

## **COMP 496EBT INTRODUCTION TO E-BUSINESS TECHNOLOGIES (3)**

Prerequisites: COMP 322/L, COMP 380/L. Software technologies related to design, implementation and management of e-business systems. Internet infrastructure. Survey of different types of e-business systems. Hardware and software architectures of enterprise level e-business systems. Client and server side programming of e-business applications with a variety of programming and scripting languages. Study of internet specific technologies- CGI, active server pages, Java server pages, Java beans and servlets. Session and cookie management. Web based transaction processing with remote database access. Security and privacy protection. Survey of the emerging internet technologies.

## **COMP 496SSW SECURE SOFTWARE ENGINEERING (3)**

Prerequisites: COMP424, COMP380/L. Concepts and techniques for secure software engineering. Students will enhance their knowledge of the rules of software engineering and learn guiding principles for the production of software that is secure. Topics include security risk management for software, software metrics, open source vs. closed source, security auditing of software, access control, strategies for firewalls, trust management, and client-side security, with an emphasis on the principles and practices of software security.

## **COLLEGE OF EDUCATION**

### **DEAF 496S AMERICAN SIGN LANGUAGE INDIVIDUAL SKILL DEVELOPMENT (3)**

A supervised individual/small group activity designed to provide feedback on comprehension and production skills in American Sign Language. Designed primarily for students whose class performance (after completion of ASL IV or equivalent) and American Sign Language Proficiency Interview (ASLPI) performance indicate the need for additional support from a fluent ASL sign language model/tutor. Individualized attention and feedback might be provided in areas such as the following: grammatical accuracy, vocabulary development, fluency, accent, and comprehension.

## **COLLEGE OF HEALTH AND HUMAN DEVELOPMENT**

### **FCS 196DI DRAFTING FOR INTERIOR DESIGN (3)**

Prerequisites: ART 124A, ART141. Introduction to concepts and conventions of drafting for interior design. Emphasis on developing skills in architectural hand drafting of plans, elevations, sections, using conventional symbols of the building design professions; recognizing the importance of working drawings; improving drafting and hand lettering proficiency through practice, discussion, direct observation and critiques. Media includes mechanical pencil and technical pen on vellum and drafting equipment necessary to the completion of each assignment. Emphasis is on set of working drawings. 6 hours per week. Credit not allowed for both FCS 196DI and ART 113.

### **FCS 296CA COMPUTER APPLICATIONS FOR INTERIOR DESIGN (1)**

Prerequisites: FCS 196DI or ART 113. Emphasis on the use of AutoCAD program to prepare drawings in interior design. Through computer applications, students develop communication skills in 2-Dimensional and 3-Dimensional interior design drawings using drafting and lettering techniques with computer aided tools. One hour lecture, two 3 hour labs. Credit not allowed for both FCS 296CA and ART 320/321/321L.

### **FCS 396BC BUILDING CODES, SYSTEMS, AND DETAILING FOR INTERIOR DESIGN (2)**

Prerequisites: FCS 211; FCS 313/L. Students are introduced to basic elements of construction and building systems, including power distribution systems, mechanical systems, energy management, ceiling systems, flooring systems and the impact of local building codes on the interior design process. Emphasis is placed on the interaction between interior design ideas and the construction methods. Two hour lecture, one 3 hour lab.

### **FCS 396PT PRESENTATION TECHNIQUES FOR INTERIOR DESIGN (3)**

Prerequisites: ART 124C or ART 230; ART 141. Emphasis on graphic/visual presentation techniques in interior design. Students will learn basic methods and various techniques for presentation in manual and digital formats which are specific to interior design field. 6 hours per week. Credit not allowed for both FCS 396PT and ART 329.

# Experimental and Selected Topics

## **KIN496L AQE ADAPTED AQUATIC THERAPEUTIC EXERCISE: ASSESSMENT, EVALUATION AND PROGRAM DESIGN (2/1)**

Recommended: KIN 313. Students are introduced to intermediate/advanced knowledge in adapted aquatic therapeutic exercise. Assessment and evaluation processes to be learned include observations, screenings, and various measurement instruments for the purpose of designing exercise protocols for individuals and groups with special needs.

## **HSCI 396HS. HEALTH SCIENCE FOR LIBERAL STUDIES/INTEGRATED TEACHER EDUCATION PROGRAM (ITEP) (2)**

Explores how overall health and well being affect an elementary school child's capacity to have a successful learning experience.

## **HSCI 496ADO. HEALTH ISSUES OF THE ADOLESCENT (1)**

An Introduction to the current health concerns of adolescents in the secondary school setting.

## **HSCI 496TH TEACHING HEALTH IN THE ELEMENTARY SCHOOL CLASSROOM (1)**

Considers the practical application of selected strategies for the teaching of health education subject matter in an elementary school classroom.

## **KIN 396HR/L TEACHING HEALTH RELATED FITNESS IN K-12 PHYSICAL EDUCATION (3)**

A course designed to facilitate future teacher's knowledge, skills, appreciation and confidence in developing and applying health related fitness content, curriculum and pedagogical strategies. These pedagogical approaches are needed to help lead school aged children in the development of active, healthy lives.

## **KIN496LA LEARNER ASSESSMENT AND TECHNOLOGY IN K-12 PHYSICAL EDUCATION (3)**

This course will present a conceptual and practical understanding of alternative and traditional assessment of student learning for school physical education. Emphasis will be on understanding, developing and applying formal and informal assessment and technological strategies that enhance learning in K-12 physical education.

## **KIN 696APA SEMINAR IN ADAPTED PHYSICAL ACTIVITY (3)**

Prerequisites: KIN 605, KIN 610 or consent of instructor. An advanced study of theory and literature in adapted physical activity for individuals with disabilities. This course is designed to develop in-depth knowledge by integrating the sub-disciplines of Kinesiology as they relate to adapted physical activity. Specific topics include pedagogical, psycho-social, physiological and biomechanical aspects of adapted physical activity.

## **COLLEGE OF HUMANITIES**

### **CHS 595H SEMINAR IN HIP HOP AND URBAN ART (3)**

Prerequisites: Graduate Status or Senior Status and permission from the instructor. Course examines selected elements of hip hop culture and urban art, primarily focusing on Chicano/Latino cultures and African American cultures. Using a Cultural Studies approach, the course will examine how popular culture can offer resistance to the dominant culture, while at the same time reinforcing certain oppressions of the dominant culture, especially along race, class, and gender lines.

### **CHS 595R CRITICAL RACE THEORY (3)**

Prerequisites: Graduate status or senior status and permission from the instructor. Interdisciplinary graduate seminar in theoretical developments and application of Critical Race Theory, and its theoretical off-shoots including Latino/a Critical Race (LAT/Crit) Theory, Critical Race Feminism, Critical Race Media Literacy, and Critical White Studies and their relation to Chicano/a intellectual thought and agency.

### **ENGL 595LNT LITERATURE, NATURE, AND TECHNOLOGY (3)**

This course surveys selected literary works that shape historical and contemporary attitudes toward the natural world and the technological impacts we have had on it. The course focuses on contemporary conflicts between and among science, humanities and technology, particularly in the areas of forms of knowing, the environment and our attitudes toward nature. It features material and assignments that fulfill the following educational goals: extensive critical reading; analytical writing; use of research skills; multi-cultural focus; interdisciplinary approach; regional emphasis.

### **ENGL 595PB PICTURE BOOK THEORY (3)**

This seminar will study picture books through the lens of theory, more specifically theoretical and critical writings by both scholars and practicing picture book creators. We will stress the picture book as a composite text that mixes words and pictures in complex, ever-changing ways. After an initial overview of theories and controversies regarding image/text relationships, the course will survey picture book history from the seventeenth century to the present and expose students to a wide variety of picture book genres (including narrative, poetic, informational, and interactive genres). We will then read selected picture books and theoretical texts in tandem, in order to shed light on such formal issues as verbal/visual interplay, page layout, typography, color, and overall book design. We will also consider the cultural status and function of picture books vis-à-vis children's literacy, didactic and moral agendas, and marketing.

### **CHS 396E CHICANA/O ART STUDIO / PAINTING (3)**

The course offers the opportunity to become acquainted with Mexican and Chicana/o world views and aesthetics through the medium of painting, both by studying the works of established artists and through actual art practice and the production of paintings. Class assignments provide experience working in a choice of oils or acrylic with styles/approaches to subject matter ranging from representational to expressive and abstraction. An emphasis on student understanding and application of formal art elements as well as experimentation in various painting media. Mexican and Chicana/o painters past and present will be discussed.

# Experimental and Selected Topics

Students explore traditional to contemporary painters/painting then interpret their own personal experience or common themes. Lectures, slide and video presentations with guest artists on occasion. The class meets twice weekly for 3 hours each class, 6 hours total.

## ENG 396CO COMIC BOOKS AS LITERATURE (3)

Prerequisite: Completion of lower-division writing requirement. Explores the possibilities of comics as a literary form, with emphasis on the American-style “comic book” and the graphic novel. From an aesthetic perspective, students examine the formal properties of comic-book narrative, as well as points of connection between comics and other forms of visual literature. From a historical and cultural perspective, students survey the development of comics since the seminal underground “comix” of the 1960s, with focus on shifts in critical reception as well as the rise of a comic-centered subculture. Overall the course places comics within the context of interdisciplinary word/image study and encourage greater awareness of the relationship between text and image.”

## COLLEGE OF SCIENCE AND MATHEMATICS

### CHEM 196A. PRINCIPLES OF CHEMISTRY LABORATORY (1)

Prerequisite: Qualifying score on the ELM Examination or satisfying the ELM exemption requirement. Corequisite: CHEM 105. Optional laboratory course to accompany CHEM 105 in which the fundamentals of scientific inquiry and basic laboratory techniques are presented. Laboratory fee required. Three-hour laboratory.

## COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

### HIST 496LW HISTORY OF AMERICAN WORKING PEOPLE (3)

In focusing on the experiences of American working people, this course will provide a broad overview of US history from the perspective of those often slighted in traditional “master narratives.” Assigned readings will examine the development of working class cultures and communities; the rise (and fall) of craft and industrial unions; working people’s contributions to and portrayal in US popular culture; the effects of the industrial revolution (and, later, de-industrialization) on working men and women; working-class racism, patriotism, and religious beliefs; the relationship between labor and the state; and the experiences of working-class immigrants.

### HIST 496RH MODERN HISTORY OF THE MIDDLE EAST (3)

This course focuses on the Modern History of the Middle East from 1798 to the present. The Middle East in the period from 1798 to the present has seen sweeping changes. It has gone from an area dominated by multi-ethnic empires dominated by hereditary Middle Eastern rulers, to an area dominated by European empires, and finally to an area dominated by nation-states with a wide variety of political systems. Just as the politics of the region has changed, so has the spectrum of political and intellectual thought. The study of the politics and ideology of this period in history is usually done

through the study of the political and ideological movements it produced. This class is going to take a slightly different approach. We are going to look at a series of different perspectives on and reactions to events and ideas. We look at both modern historians and contemporaries to the events.

## Supplemental Instruction (SI)

### Supplemental Instruction (SI) University 60

Earn one unit, CR/NC. Register for University 60, a facilitated study group for key courses that meets two hours a week.

### Spring 2006 Courses

Register online at [www.csun.edu/portal](http://www.csun.edu/portal) and select **Services for Students >Enroll in Classes**, or ask your advisor about:

- ✓ Chemistry 105
- ✓ Economics 160, 161, 310
- ✓ Math 102
- ✓ Philosophy 230
- ✓ Physical Science 170

*(including, but not limited to the above courses)*

The mission of the Learning Resource Center (LRC) is to enable students to improve their academic performance through a variety of learning programs including workshops, one on one and group tutoring, supplemental instruction classes, and interactive subject area computer programs and videos. CSUN students who use LRC learning programs will develop and strengthen their:

- ✓ critical thinking skills
- ✓ study strategies
- ✓ writing skills
- ✓ performance in subject matter courses

### Learning Resource Center [www.csun.edu/LRC](http://www.csun.edu/LRC)

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