

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)

Arts, Media, and Communication

ART 296 GD. 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.

ART 396AN. 3-D COMPUTER ANIMATION II (3)

Intermediate study of 3-D Computer Animation with focus on 3-D Character creation and animation. Includes: design, modeling, rigging, key-frame lip sync acting, background, lighting, texturing, coloring and critical analysis of 3-D characters from the Game and Animation field. 9 hours lab.

AMC 396MM. FOUNDATIONS OF MULTIMEDIA (3)

This is a team-taught course offering four components, graphics, video, music sequencing and sound design. Each component will introduce the student to basic elements of a multimedia production. This is an experiment to see if the four components can be taught in an interdisciplinary setting. This course may become the foundation for an interdisciplinary minor in multimedia. It will presently be used as an upper division elective course.

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.

COMS 496T. COMMUNICATION TRAINING AND DEVELOPMENT (3)

Prerequisites: COMS 356, or COMS 656, or COMS 580. Available to graduate and upper-division undergraduate students.

Examination and analysis of the processes, challenges and promises of communication training and development. Through discussions and field work, students explore applications of communication theory to practical situations, and learn how to conduct communication competency assessments/organizational culture audits, write assessment/audit reports, design, deliver, and evaluate customized communication training packages, programs for a variety of organizational settings.

JOUR 495PAB. PUBLIC AFFAIRS BROADCASTING IN SPANISH (3)

Prerequisite: Consent of Instructor. Reporting, writing, editing, anchoring, producing public affairs newscast for Spanish-Language television. Students working in a professional setting will produce weekly newscast for distribution on a Spanish-Language television station. 6 hours of classroom and lab activity required

Engineering and Computer Science

COMP 496NSP. ADVANCED NETWORKING AND SECURITY PROJECTS (3)

Prerequisite: COMP 424, COMP 429. Corequisite: COMP 529 or COMP 595SEC. Applied projects in network security. Through team work and problem solving, study the functions and relationships of network hubs, switches, routers, gateways, bridges, and ports. Study the strengths and weaknesses of various security mechanisms, the security issues surrounding the network mechanisms (vulnerabilities, threats, and attacks) and security controls such as firewalls, authentication, and some intrusion detection devices. Learn to identify the vulnerabilities of the various ports and switches, and how they can be protected. Projects include applications of hardware and software, and other network technologies for implementing and protecting network connected computing systems.

COMP 595DM. DATA MINING (3)

Prerequisite: Comp 380/L. Introduces data mining concepts, principles and applications. Covers data warehouse and OLAP technology for data mining, data preprocessing, primitives, languages, system architectures for data mining, concept description, association analysis, sequential pattern analysis, classification and prediction, cluster analysis, mining complex types of data, data mining applications and trends in data mining.

COMP 595VAV. SOFTWARE VERIFICATION AND VALIDATION (3)

Prerequisite: Comp 380/L. An in depth study of verification and validation strategies and techniques as they apply to the development of quality software. Topics include test planning and management, testing tools, technical reviews, formal methods and the economics of software testing. The relationship of testing to other quality assurance activities as well as the integration of verification and validation into the overall software development process are also discussed.

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ECE 496DS/L. REAL-TIME DIGITAL SIGNAL PROCESSING (2/1)

Corequisite: ECE 351. Real-time digital signal processing using DSP processors; architecture, instruction set, sampling, filtering, fast fourier transform, and other applications.

ECE 595AD. APPLICATION SPECIFIC INTEGRATED CIRCUIT DEVELOPMENT (3)

A course covering concepts, techniques and methodologies used in modern VLSI design automation. The course builds on the foundation of hardware description languages and simulation taught in ECE 526 and proceeds to logic synthesis, static timing analysis, formal verification, test generation/fault simulation, and physical design, including floor planning, placement, routing, and design rule checking.

ECE 595ADL. APPLICATION SPECIFIC INTEGRATED CIRCUIT DEVELOPMENT LAB (1)

Laboratory companion course for ECE 595AD. Application of electronic design automation tools for logic synthesis, static timing analysis, formal verification, test generation/fault simulation, and physical design, including floor planning, placement, routing, and design rule checking.

ECE 595SOC/L. SYSTEM ON CHIP DESIGN (3)

Introduction to system on chip design methodology that includes the study of NIOS and ARM architectures, Avalon switch fabric, memory, real-time operating system (RTOS), peripheral interface and components, and contemporary high-density FPGAs.

MSE 595NN. NANOMATERIALS AND NANOTECHNOLOGY (3)

Introduction to nanotechnology and types of nanomaterials that have been synthesized for applications in nanotechnology (mechanics, electronics, optoelectronics, energy and biomedical sciences). Illustrations of the novel synthesis methods of various nanomaterials.

Michael D. Eisner College of Education

DEAF 496J. ISSUES AND TRENDS IN THE DEAF COMMUNITY (3)

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

Health and Human Development

CADV 196A. JUMPSTART NORTHRIDGE (3)

Prerequisite: CADV 150. Each student must be part of the work-study program, complete an application (available in Department Office SQ281), and be accepted into the Jumpstart program. This course, along with CADV 196B, provides the academic component for Jumpstart, a program of national significance that builds early literacy and school readiness skills in disadvantaged preschoolers. Students participate in a supervised service learning experience in a community program that serves high-risk populations of children. The focus of this course is to provide the academic content that supports students working with children in an educational setting.

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.

HSCI 595H. GRANTSMANSHIP FOR HEALTH AND HUMAN SERVICES (3)

An introductory course in grant writing for graduate students. The course will focus on the fundamental characteristics of grant writing for the health and human services including: identifying sources of funding, writing a proposal narrative, developing a realistic budget, reviewing and editing proposal content, and understanding how to manage an awarded grant. The course will examine the criteria for fundable projects in the health and human service arena and provide students with knowledge and tools for producing a grant application.

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.

KIN 496BAL. CLASSICAL AND CONTEMPORARY BALLET TECHNIQUE (3)

A course for undergraduate/graduate dance specialists in the intermediate/advanced skill in ballet technique. May be repeated to a maximum of 12 units in different semesters (6 studio hours).

KIN 496LA. LEARNER ASSESSMENT AND TECHNOLOGY IN K-12 PHYSICAL EDUCATION (3)

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

Humanities

AAS 495A. THE KOREAN AMERICAN EXPERIENCE (3)

This course acquaints students with historical and contemporary issues regarding Korean American community. It focuses on the Korean American experience in two different contexts: Korean Americans in a racially stratified U.S. society; and Korean American experience pertaining to internal hierarchy within its own culture and community. Topics include: immigration history and settlement patterns; assimilation and ethnic segregation; work and

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occupational mobility; inter-ethnic relations; political empowerment; gender roles in the marriage and family structure; generation differences and associated problems; class conflict within the community; religion; and community organizations. Issues pertinent to understanding Korean American students in schools (i.e., parent-child relations, learning styles, communication styles, bilingual education, ethnic identity development, and youth problems) will also be discussed.

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. 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.

CHS 595PLC. POST COLONIAL LITERATURE AND CRITICISM (3)

Through short fiction and novels by Latin American and Chicana/o writers, investigation of the meaning of postcolonial identity and politics. Readings by Latin American and Chicana/ writers to be included.

CAS 396C. CONTEMPORARY INDIGENOUS PEOPLE OF CENTRAL AMERICA (3)

This interdisciplinary course examines the new socio-economic, political, and religious conditions that contemporary Indigenous people of Central America are facing in their daily quest for self-determination. In the last two decades the study of Indigenous practices has challenged the traditional notion that portrays native peoples as passive subjects of the modern forces of assimilation. This course explores the transnational spaces occupied by Indigenous associations and the challenges that this Indigenous movement represents to the Central American nation/states, the participation of women in defining the future of Indigenous communities, and resistance to the imposing socio-cultural and political paradigms. Emphasis will be placed on contemporary Indigenous culture, identity, movements, rights, media, gender, and migratory issues.

ENGL 495ESM. MULTIGENRE LITERACY IN A GLOBAL CONTEXT (3)

English 495ESM, the capstone course for English Subject Matter students, focuses on literacy in multiple genres (poetry, myth, short fiction, and media). Its multigenre, multimedia, and transnational compass fulfills State Standards and grounds this fulfillment in cutting edge scholarship in the fields of English studies.

ENGL 495FL. FANTASY LITERATURE AND THE ART OF WORLD-BUILDING (3)

This intensive senior seminar will explore high fantasy, that is, fantasy literature set entirely on invented or alternate worlds that may or may not resemble our town. Topics addressed will include mythology, colonialism, sexuality, postmodernism, film and new

media, comics, gaming, and fan fiction. Course requirements will include a world-building exercise, an author study, and a final seminar paper.

ENGL 595AGE. REPRESENTATIONS OF AGE IN LITERATURE (3)

In this course, we will examine age as a discursive category in literature and culture. How are age categories constructed? Whom do they serve? How do they inflect/determine the way we see? Is age a form of understanding, a mode of exercising power, equivalent in operation to race, class, and gender? What do these suspiciously naturalized categories reveal about nineteenth- and twentieth-century British and American culture? We will visit various depictions of the child, adolescent, adult, and elderly in literary, filmic, and cultural texts, in an attempt to decipher what stories, images, and symbols expressions of age typically inhabit. Applying various (Marxist, feminist, deconstructionist, and cultural studies) approaches to these categories, we will try to defamiliarize them and see what they might reveal about cultural value systems and ourselves.

Science and Mathematics

BIOL 496MT. BIOLOGY OF MARINE TETRAPODS (3)

Prerequisites: BIOL 322. Several groups of reptiles, birds, and mammals exhibit many specializations for living in the marine realm. These animals are secondarily adapted to the marine environment, having evolved from terrestrial ancestors. This course will explore the evolution, diversity, ecology, and morphological and physiological adaptations of these animals. It can be used to fulfill the Systematics and Comparative Biology requirement of the BA, or the zoology requirement of the BS option II, or as an elective of the BS option V or the MS Biology. Two hours lecture, three hours laboratory. Available for graduate credit.

GEOL 595LT.LITERATURE SEMINAR (1)

Prerequisite: Senior Undergraduate or Graduate standing in Geological Sciences Program. Students will make oral presentations of and lead discussions about current research literature in the geological sciences.

GEOL 695A.GRADUATE THESIS RESEARCH DESIGN (1)

Prerequisite: Graduate standing in Geological Sciences Program and concurrent enrollment in GEOL 595LT. Instruction and practice in the steps required to construct a research project proposal, culminating in the development of a graduate-level research proposal suitable as a Master's thesis project.

PHYS 369DOL. PHYSICS OF MUSIC LABORATORY (1)

Corequisite: PHYS 305OL. Preparatory: Completion of the Lower-Division Writing Requirement. An online laboratory class with activities and experiments on the physics of sound and music. Available for General Education Subject Explorations in Natural Sciences if taken in conjunction with PHYS 305OL.

Social and Behavioral Sciences

HIST 596B. THE BLACK DEATH IN EUROPE (2)

This course will examine the Black Death and its aftermath in Europe. We will consider the immediate social, economic, and political consequences, as well as the long-term impact of the

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plague on European peoples. Was the world never the same after the Black Death? Or was this simply the waning of the Middle Ages?

HIST 596E. COLLOQUIUM IN MODERN BRITISH HISTORY (3)

An overview of major themes and historiographical debates in modern British and imperial history. The course will trace Britain's transformation from a loose collection of agrarian, second-rate European kingdoms in 1700 into the world's foremost industrial empire by 1900, only to see that power and primacy decline precipitously by 1945. Readings will focus on the formation of class, gender, and national identities; industrialization and economic decline; and the expansion and governance of empire.

HIST 596S. SELECTED TOPICS IN SOUTHERN HISTORY (3)

A readings course in Southern history on issues such as law, gender, race, the Civil War, and popular culture that will prepare students for a possible research seminar trip to the Natchez area in the spring of 2007.

HIST 596SW. COLLOQUIUM ON THE GREATER SOUTHWEST (3)

This colloquium will focus on the secondary literature on the major regions of the Greater Southwest from the pre-Columbian period to the present. The required reading will examine the major regions—the Old Southwest to 1846 from Florida to Texas, Texas and the Southern Plains, the border regions of Mexico, and the New Mexico-Arizona-California territories conquered by the U.S. in the War with Mexico in 1846—as encounter zones of many different people. Students will engage in comparative studies of significant institutions and processes such as slavery, community development, encounters with Indian societies, war and conquest, state formation, and migration.

PSY 496. COGNITIVE DEVELOPMENT (3)

Prerequisite: completion of the Upper-division Writing Proficiency Exam. Preparatory; PSY 150. Considers theories, methodologies, and research findings in the development of thought. Evaluation of theories and research findings. Explores relationship to other areas of development (e.g., social, linguistic).

SOC 496T. RELIGION, CULTURE, AND SOCIETY (6)

This course requires an EO 871 –Supplemental Fee for State-Supported Programs Offered Off-Campus. This fee will be developed by the instructor based on the requirements of the specific course and approved by the Department Chair, the Dean of the College of Social and Behavioral Sciences, the Dean of the College of Extended Learning (if appropriate). In accordance with California State University policy, these fees require the approval of the University Provost. These supplemental fees cover the additional costs of delivering this course at the off-campus location. Examples of such fees include instructor's travel expenses, expenses for assistant instructor, and pre-trip visits. Course may be taken for graduate credit.

SWRK 695. CHILD WELFARE (3)

Prerequisites: Second Year standing. This course explores the multidimensional factors associated with child maltreatment, the role of child welfare, and the ways social work practice principles are applied in advanced assessment and intervention.

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.

Fall 2006 Courses

Register online at 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

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