

# Announcement of Courses

## Course Descriptions and Numbering

All courses are listed alphabetically.

Not all courses listed in this catalog may be offered during the academic year.

Unit of credit or semester unit is a measure of time and study devoted to a course.

Hours for courses are listed as hours that the student will spend in class per week for the semester. Total hours spent in a class are listed for courses that are less than a semester in length.

These hours may be lecture, laboratory, discussion, field study, studio, activity, or clinical.

## Course Grading

The following course grading is found in the course description following the title of the course:

LG: Letter grade only

C/NC: Credit or No Credit grades only LG-C/NC: Letter Grade or Credit/No Credit grades

## Course Repetition

A student may repeat a course only under the following conditions:

1. the student's prior evaluative grade in the course is a "D", "F", or "NC"; or the student withdrew from the course and received a "W"; or

2. the College Catalog and Schedule of Classes designate the course as a repeatable course and the number of times it may be repeated; or

3. the student receives prior written permission from the Academic Council when the student can demonstrate that the course must be repeated in order to make progress toward employment, graduation, certification, or transfer and a significant length of time has lapsed since the completion of the course.

## Course Numbers

The college has adopted the following numbering system effective Fall 2005:

### 1-99 BS/BA Level

Courses numbered 1 through 99 are baccalaureate level courses, carrying lower division baccalaureate level credit at four-year colleges and universities. Not all courses numbered 1-99 are transferable to UC. Check the MPC Catalog description for transferability. "Baccalaureate applicable" courses in the 1 through 99 series meet the following criteria:

1. The course is parallel to one offered at a California State University or University of California campus and/or has been accepted as satisfying a general education requirement as indicated by the approved CSU-GE List (California State University General Education List) or the IGETC (Intersegmental General Education Transfer Curriculum).

2. The course has procedural rigor to meet the critical thinking and/or computational levels required for baccalaureate level courses.

Courses in this series are also associate degree applicable.

### 100-299 Associate Degree

Courses numbered 100 through 299 are associate degree level courses. They are generally, but not exclusively, occupational in nature. Courses numbered 100-199 may transfer at the discretion of the receiving institution.

If a student takes both ENGL 111 and 112 OR both ENSL 110 and 155, only one of the courses may be applied toward the associate degree.

### 300-399 Credit, Non-associate

Courses numbered 300 through 399 are intended as developmental courses in reading, writing, mathematics, study and learning skills. They may not be used to fulfill any degree requirements.

### 400-499 Non-credit

Courses numbered 400 through 499 are courses for which no credit is awarded.

# SUPPLEMENTAL CATALOG

## SUMMER 2008

(This catalog reflects new courses and course revisions adopted since the 2008-2009 catalog was published)

### ART

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#### **ART 35L SPECIAL PRINTMAKING TECHNIQUES I: COLLABORATIVE PRINTS**

*.5 unit • LG-C/NC • One hour lab*

This is a specialized course in collaborative printmaking projects. Students work with partners or in small groups to complete print projects. May be taken four times for credit.

*Credit transferable: CSU*

#### **ART 35M SPECIAL PRINTMAKING TECHNIQUES I: NARRATIVE PRINTS**

*.5 unit • LG-C/NC • One hour lab*

This is a specialized course in narrative printmaking. Students explore concepts and techniques relevant to storytelling through prints. May be taken four times for credit.

*Credit transferable: CSU*

#### **ART 35N SPECIAL PRINTMAKING TECHNIQUES I: POLITICAL PRINTS**

*.5 unit • LG-C/NC • One hour lab*

This is a specialized course in political printmaking. Students explore concepts and techniques relevant to politics and social issues through prints. May be taken four times for credit.

*Credit transferable: CSU*

#### **ART 35O SPECIAL PRINTMAKING TECHNIQUES I: MIXED MEDIA PRINTMAKING**

*1.5 units • LG-C/NC • Three hours lab*

This course explores mixed media printmaking processes. Techniques include but are not limited to multiple drop relief, intaglio and monotype mixed media prints. Press operation and safe studio practices are included.

Combinations of ART 35O, 38G, and 59 may be taken four times for credit.

*Credit transferable: CSU*

#### **ART 36D SCREEN PRINTING**

*3 units • LG-C/NC • Six hours lab*

This course is an introduction to screen printing, including but not limited to image development, screen printing techniques, editioning and monotype screen printing. Historical and contemporary screen prints are studied. May be taken four times for credit.

*Credit transferable: CSU*

#### **ART 36E PHOTO-BASED PRINTMAKING**

*3 units • LG-C/NC • Six hours lab*

This course is an exploration of photo-based printmaking processes. Techniques include but are not limited to chine collé with photographs, gum transfers, solar plates and the use of digitally created images. Press operation and safe studio practices are included. May be taken four times for credit.

*Credit transferable: CSU*

#### **ART 38G SPECIAL PRINTMAKING TECHNIQUES II: MIXED MEDIA**

*.5-3 units • LG-C/NC • One to six hours studio*

This is a specialized course in mixed media printmaking projects. Students combine a number of different printmaking techniques, creating works of layered depth. Combinations of ART 35O, 38G, and 59 may be taken four times for credit.

*Credit transferable: CSU*

**ART 38I SPECIAL PRINTMAKING TECHNIQUES II: SOLAR PLATES**

*.5 unit • LG-C/NC • One hour lab*

This is a specialized course in solar plate etching techniques. Oil-based inks are used. May be taken four times for credit.

*Credit transferable: CSU*

**ART 38J SPECIAL PRINTMAKING TECHNIQUES II: LITHO PAPER PLATES**

*.5 unit • LG-C/NC • One and one-half hours lab*

This is a specialized course in paper plate lithography etching techniques. Oil-based inks are used. May be taken four times for credit.

*Credit transferable: CSU*

**ART 38K SPECIAL PRINTMAKING TECHNIQUES II: AQUATINT**

*.5 unit • LG-C/NC • One hour lab*

This is a specialized course in aquatint printmaking techniques. Oil-based inks are used. May be taken four times for credit.

*Credit transferable: CSU*

**ART 38L SPECIAL PRINTMAKING TECHNIQUES II: BUTTERLIFT ETCHING**

*.5 unit • LG-C/NC • One hour lab*

This is a specialized course in butterlift etching techniques. Oil-based inks are used. May be taken four times for credit.

*Credit transferable: CSU*

**ART 38M SPECIAL PRINTMAKING TECHNIQUES II: PASTEL TRANSFERS**

*.5 unit • LG-C/NC • One hour lab*

This is a specialized course in pastel transfer printmaking techniques. Oil-based inks are used. May be taken four times for credit.

*Credit transferable: CSU*

**ART 38N SPECIAL PRINTMAKING TECHNIQUES II: PHOTO SCREEN PRINTING**

*1 unit • LG-C/NC • Two hours lab*

This is a specialized course in photo screen printing. Water-based inks are used. May be taken four times for credit.

*Credit transferable: CSU*

**ART 38O SPECIAL PRINTMAKING TECHNIQUES II: DIGITAL/HAND HYBRID PRINTS**

*.5 unit • LG-C/NC • One hour lab*

This is a specialized course in digital/hand hybrid prints. Oil-based inks are used. May be taken four times for credit.

*Credit transferable: CSU*

**ART 38P SPECIAL PRINTMAKING TECHNIQUES II: SCREEN PRINTING WITH STENCILS**

*.5 unit • LG-C/NC • One hour lab*

This is a specialized course in screen printing with stencils. Water-based inks are used. May be taken four times for credit.

*Credit transferable: CSU*

**ART 38Q SPECIAL PRINTMAKING TECHNIQUES II: MONOTYPE SCREEN PRINTING**

*.5 unit • LG-C/NC • One hour lab*

This is a specialized course in monotype screen printing. Water-based inks are used. May be taken four times for credit in combination with ART 35C.

*Credit transferable: CSU*

### **ART 38R SPECIAL PRINTMAKING TECHNIQUES II: SCREEN PRINTING WITH CHINE COLLÉ**

*.5 unit • LG-C/NC • One hour lab*

This is a specialized course in screen printing with chine collé. Water-based inks are used. May be taken four times for credit in combination with ART 35A.

*Credit transferable: CSU*

### **ART 38S SPECIAL PRINTMAKING TECHNIQUES II: MIXED MEDIA SCREEN PRINTING**

*1 unit • LG-C/NC • Two hours lab*

This is a specialized course in mixed media screen printing. Students print on a variety of substrates. Water-based inks are used. May be taken four times for credit.

*Credit transferable: CSU*

### **ART 52C FILM/VIDEO NARRATIVE PRODUCTION**

*3 units • LG-C/NC • Two hours lecture; three hours lab*

Narrative production involves equipment, processes and people needed for the production of a dramatic film. The emphasis is one dramatic interpretation of a script through directing, acting, filming, sound, music and editing. Students are involved in all aspects of independent film production.

*Advisory: Eligibility for ENGL 111 and 112 or ENSL 110 and 155*

*Credit transferable: CSU*

### **ART 59 MIXED MEDIA**

*1.5-3 units • LG-C/NC • Three hours studio per week for each one and one-half unit of credit*

This course is an exploration of mixed media techniques which may include painting, drawing, collage, printmaking, photography, using a variety of methods and materials. Emphasis is on technical proficiency, conceptualization and individual expression. Combinations of ART 350, 38G, and 59 may be taken four times for credit.

*Course advisory: ART 22 or 28A*

*Credit transferable: CSU*

## **CHILD DEVELOPMENT**

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### **CHDV 250 LEARNING MORE ABOUT YOUR PRESCHOOL CHILD**

*1 unit • LG- C/NC • One hour lecture*

This course investigates the parent's role in the care and nurturing of two- to five-year-olds. Topics include self-esteem, communication, discipline, nutrition, community resources and others.

*Advisory: Eligibility for ENGL 111 and 112 or ENSL 110 and 155*

## **DRAMA**

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### **DRAM 8C ADVANCED SCREENWRITING**

*2 units • LG-C/NC • One hour lecture; three hours lab*

Designed for the experienced student, this course further develops and hones screenwriting skills through analysis, application and practice.

*Prerequisite: DRAM 8B*

*Advisories: Eligibility for ENGL 111 and 112 or ENSL 110 and 155*

*Credit transferable: CSU*

### **DRAM 16A ACTING FOR THE CAMERA I**

*3 units • LG-C/NC • Two hours lecture; three hours lab*

This course addresses the practice and study of the fundamental techniques required in acting before the camera in contrast to stage work. Students will address areas of voice and movement for the camera, blocking, memorization, audition and interview techniques covering scripts from TV, film and commercials.

*Prerequisite: DRAM 15A*

*Advisories: Eligibility for ENGL 111 and 112 or ENSL 110 and 155*

*Credit transferable: CSU*

### **DRAM 16B ACTING FOR THE CAMERA II**

*2 units • LG • One hour lecture; three hours lab*

This course further refines and augments the techniques required in acting before the camera. Students will address areas of multiple scene blocking, advanced audition and interview techniques and multi-camera set-ups covering scripts from TV, film and commercials.

*Prerequisite: DRAM 16A*

*Advisories: Eligibility for ENGL 111 and 112 or ENSL 110 and 155*

*Credit transferable: CSU*

## **ENGINEERING**

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### **ENGR 2 ENGINEERING DESIGN GRAPHICS**

*3 units • LG • Two hours lecture; three hours lab*

This course introduces the engineering design process and graphical tools used by engineers. Topics include orthographic projection, dimensioning and tolerance, spatial reasoning skills, and basic descriptive geometry. Students gain experience in AutoCAD and SolidWorks, including a final design project.

*Advisory: Eligibility for ENGL 1A*

*Credit transferable: CSU, UC*

### **ENGR 17 TECHNICAL COMPUTING WITH MATLAB**

*3 units • LG-C/NC • Two hours lecture; three hours lab*

This course introduces technical computing using the MATLAB environment. Topics include programming techniques, data visualization, numerical problem solving, symbolic manipulation and simulation. Representative examples are drawn from mathematics, science, and engineering.

*Prerequisite or Corequisite: MATH 18 or 20A*

*Advisory: Eligibility for ENGL 1A*

*Credit transferable: CSU*

### **ENGR 50 ROBOTICS**

*1 unit • LG-C/NC • .75 hour lecture; .75 hour lab*

This is a hands-on introduction to modern robotics using the industry standard BASIC Stamp microcontroller. Topics include construction, movement, object detection/avoidance, programming PBASIC, subsumptive programming and emergent behavior. Students may purchase their own robotics kit or use school-provided kits. No prior electronics experience needed.

*Advisory: Eligibility for MATH 263*

*Course advisory: CSIS 1*

*Credit transferable: CSU*

### **ENGR 52 INTRODUCTION TO MATLAB**

*.5 unit • LG-C/NC • Total hours: Seven hours lecture; five hours lab*

Students learn the fundamentals of MATLAB programming applied to problems in science and mathematics. Applications include systems of equations, analyzing data files, use of vectors, matrices and functions, and graphing and interpreting data in two and three dimensions. Demonstrations of animation, symbolic math, and Simulink are also included.

*Advisories: Eligibility for ENGL 111 and 112 or ENSL 110 and 155; eligibility for MATH 13*

*Credit transferable: CSU*

## ENGLISH

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### **ENGL 14 MASTERING COLLEGE READING: ANALYSIS AND INTERPRETATION**

*3 units • LG-C/NC • Three hours lecture*

This course covers theory and practice of reading skills needed for successful academic performance. It includes critical evaluation of college-level essays, development of flexible reading rate, critical analysis of research, vocabulary development, and reading of multicultural essays, journals, fiction, and nonfiction. Individual practice may be required.

*Prerequisite: Qualifying reading and writing assessment results or satisfactory completion of ENGL 111 or ENSL 110*

*Course advisory: Concurrent enrollment in ENGL 1A*

*Credit transferable: CSU*

## FIRE PROTECTION TECHNOLOGY

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### **FIRE 130 CRISIS INTERVENTION TRAINING FOR DISPATCH, FIRE/MEDICAL PERSONNEL**

*1 unit • C/NC • Total hours: Twenty hours lecture; four hours lab*

This course is designed for dispatch, fire and medical personnel who are likely to interact with patients exhibiting behavioral problems. It will provide the first responders necessary tools to communicate with and coordinate between agencies; assess the behavioral issue (i.e., mental illness, drugs, dementia, etc.); and perform intervention to de-escalate the dangerous and unsafe behavior. (P.O.S.T. certified)

## HUMANITIES

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### **HUMA 40 INTRODUCTION TO FEMINIST THEORY**

*3 units • LG-C/NC • Three hours lecture*

This course encourages students to reflect on historical and present-day images of women and men through readings in philosophy, psychology, and history by both male and female authors. It engages students in critical analysis of the readings and the changes that the feminist theory has undergone, as well as its relationship to other theories. Also offered as Women's Studies 40 and Philosophy 40; credit may be earned only once.

*Advisory: Eligibility for ENGL 1A*

*Credit transferable: CSU, UC*

*General Ed. Credit: CSU, Area C2; IGETC, Area 3B; MPC, Area C*

## LEARNING SKILLS

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### **LNSK 352 THINKING AND REASONING SKILLS**

*2 units • C/NC • Two hours lecture*

This course is designed to provide instruction in basic critical thinking skills and reasoning strategies. It includes the development of cognitive strategies to enhance attention, memory, categorization, association, logic and reasoning. There is an emphasis on self-awareness of personal learning strengths and weaknesses related to the student's disability and the ability to select and apply specific techniques and strategies to facilitate learning. May be taken four times for credit. After that, may be repeated based on provisions of Title 5, Section 56029.

## LINGUISTICS

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### **LING 20 INTRODUCTION TO MINORITY DIALECTS**

*3 units • LG-C/NC • Three hours lecture*

This course focuses on African-American and Chicano English dialects found in the U.S. today. It examines their origin, syntax, phonology and lexicon. The relationship of dialect to education and the language user's role in society will also be discussed. Also offered online.

*Advisories: Eligibility for ENGL 1A*

*Credit transferable: CSU*

## MARINE SCIENCE AND TECHNOLOGY

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### **MAST 232 SCUBA DIVING CERTIFICATION COURSE**

*2.5 units • LG-C/NC • Total hours: Twenty-seven hours lecture; fifty-three hours lab*

This course is an entry-level scuba certification course that covers the fundamental knowledge and skills to safely scuba dive in open water. Upon successful completion of this course, a nationally recognized scuba certification will be issued. Ability to pass swim test is required to pass the course. Students shall furnish and be responsible for the care and maintenance of their own diving equipment.

### **MAST 233 ADVANCED SCUBA DIVING CERTIFICATION COURSE**

*1 unit • C/NC • One-half hour lecture; two hours lab*

This advanced scuba course extends the diver's knowledge beyond the entry-level scuba certification. Advanced topics include night diving, deep diving, boat diving and underwater navigation. Upon successful completion, a nationally recognized advanced scuba certification card will be issued. Students shall furnish and be responsible for the care and maintenance of their own diving equipment.

*Prerequisite: MAST 232 or Scuba certification*

## MEDICAL ASSISTING

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### **MEDA 110 MEDICAL OFFICE MANAGEMENT**

*3 units • LG • Two hours lecture; three hours lab*

In this course students learn medical office administrative systems and procedures with emphasis on scheduling, telephone, patient flow, financial and collection practices, record-keeping, privacy protocol and personnel management.

## MUSIC

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### **MUSI 30 CONCERT/COMMUNITY BAND**

*1 unit • LG • Three hours lab*

This course includes a survey, analysis and performance of college-level wind ensemble and symphonic band literature. May be taken four times for credit.

*Credit transferable: CSU, UC*

## ORNAMENTAL HORTICULTURE

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### **ORNH 210.1 CURRENT TOPICS IN ORNAMENTAL HORTICULTURE: WEDDING FLORAL DESIGNS**

*.5 unit • LG/C/NC • Total hours: Eight and one-half hours lecture*

Students learn to design and construct floral pieces for weddings and ceremonies including handheld bouquets, rehearsal flowers and cake flowers. Instructor demonstration and hands-on work are included. Students will furnish their own materials per instructions at first class meeting.

### **ORNH 210.2 CURRENT TOPICS IN ORNAMENTAL HORTICULTURE: ATTRACTING BENEFICIAL BIRDS AND BUGS TO YOUR GARDEN**

*.5 unit • LG/C/NC • Total hours: Eight and one-half hours lecture*

Learn to attract and keep beneficial birds and bugs in your garden by using the right kinds of plants, flowers, and overall environment. Plant samples, lists of appropriate plant types, and videos are included in the course.

### **ORNH 210.3 CURRENT TOPICS IN ORNAMENTAL HORTICULTURE: SUSTAINABLE LANDSCAPING**

*.5 unit • LG/C/NC • Total hours: Eight and one-half hours lecture*

This course provides instruction in how to design, install and maintain a landscape utilizing ecologically sound practices. It includes discussion and examples of sustainable soil, irrigation and pest management practices, hardscape and plant materials, machinery use, green roofs, rain catchment and graywater systems and permeable pavers.

### **ORNH 210.4 CURRENT TOPICS IN ORNAMENTAL HORTICULTURE: GREENHOUSE GARDENING**

*.5 unit • LG/C/NC • Total hours: Eight and one-half hours lecture*

This course is a comprehensive overview of the types of greenhouse structures available to home gardeners, plus practical guides to constructing, maintaining and utilizing one in a home garden to grow healthy plants.

## PHILOSOPHY

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### **PHIL 40 INTRODUCTION TO FEMINIST THEORY**

*3 units • LG-C/NC • Three hours lecture*

This course encourages students to reflect on historical and present day images of women and men through readings in philosophy, psychology, and history by both male and female authors. It engages students in critical analysis of the readings and the changes that the feminist theory has undergone, as well as its relationship to other theories. Also offered as Humanities 40 or Women's Studies 40; credit may be earned only once.

*Advisory: Eligibility for ENGL 1A*

*Credit transferable: CSU, UC*

*General Ed. Credit: CSU, Area C2; IGETC, Area 3B; MPC, Area C*

## SPANISH

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### **SPAN 35A SPANISH FOR SPANISH SPEAKERS I**

*4 units • LG-C/NC • Four hours lecture*

This course provides instruction in standard Spanish usage, for heritage/native speakers with limited formal training in Spanish in oral, reading, and writing skills. Awareness of Mexican and other Hispanic cultures through appropriate readings and class discussions.

*Advisory: Native Spanish-speaking ability*

*Credit transferable: CSU, UC*

*General Ed. Credit: MPC, Area C*



## **SPAN 35B SPANISH FOR SPANISH SPEAKERS II**

*4 units • LG-C/NC • Four hours lecture*

This course is a continuation of SPAN 35A. It further develops all language skills in Spanish and increases awareness of the Hispanic cultures.

*Prerequisite: SPAN 35A*

*Credit transferable: CSU, UC*

*General Ed. Credit: MPC, Area C*

## **TRAVEL STUDY**

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### **GENT 99.64 TRAVEL STUDY: LIVE DRAMA IN OREGON**

*1 unit • LG-C/NC • Total hours: Twenty-two hours lecture; twenty-one hours lab*

This is a travel-study tour to Ashland, Oregon, to see productions of three Shakespeare plays and four plays by other playwrights.

*Advisories: Eligibility for ENGL 111 and 112 or ENSL 110 and 155*

*Credit Transferable: CSU*

### **GENT 99.72 TRAVEL STUDY: PASADENA CRAFTSMAN WEEKEND**

*.5 unit • LG-C/NC • Total hours: Five hours lecture; twenty hours lab*

This travel-study field experience examines the history, art, and architecture of Pasadena.

*Advisories: Eligibility for ENGL 111 and 112 or ENSL 110 and 155*

*Credit transferable: CSU*

### **GENT 99.73 TRAVEL STUDY: NEW YORK THEATRE TOUR**

*1 unit • LG-C/NC • Total hours: Eight hours lecture; thirty-three hours lab*

This travel-study field experience examines the cultural heritage of New York City with an emphasis on the performing arts.

*Advisories: Eligibility for ENGL 111 and 112 or ENSL 110 and 155*

*Credit transferable: CSU*

## **WOMEN'S STUDIES**

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### **WOMN 40 INTRODUCTION TO FEMINIST THEORY**

*3 units • LG-C/NC • Three hours lecture*

This course encourages students to reflect on historical and present-day images of women and men through readings in philosophy, psychology, and history by both male and female authors. It engages students in critical analysis of the readings and the changes that feminist theory has undergone, as well as its relationship to other theories. Also offered as Humanities 40 and Philosophy 40; credit may be earned only once.

*Advisory: Eligibility for ENGL 1A*

*Credit transferable: CSU, UC*

*General Ed. Credit: CSU, Areas C2; IGETC, Area 3B; MPC, Area C*