SCHEDULE OF CLASSES

ACCOUNTING

A $2.00 materials fee is payable upon registration for Accounting classes.

TRAIN FOR A NEW JOB IN JUST EIGHT WEEKS!

In our Accelerated Program you can train to be an Accounting Assistant in just eight weeks. Many jobs paying $12 to $17 per hour are available. The Accelerated Program includes Accounting Procedures (ACTG 100), Ten-Key Skills (ACTG 103), QuickBooks (ACTG 144), Introduction to Microcomputers (BUSW 105), Excel (BUSW 415), and Career Choices (CRER 133). A sixteen-week program is also available. An Information Meeting will be held from 7:00 to 8:00 p.m. in Building 14, Room 220 on the first Thursday in December and the first Thursday in May. For more information visit our website at www.smccd.net/accountsmaule or call 574-6519.

ACTG 100 ACCOUNTING PROCEDURES

Study of the accounting cycle for service and merchandising businesses. Preparation of journals, ledgers, and financial statements using manual work papers and Peachtree accounting software. ACTG 100 provides an important foundation for ACTG 121. Recommended Preparation: BUS 115; BUSW 105 or equivalent; eligibility for ENGL 800 or 836. (CSU)

Students may complete ACTG 100 and ACTG 121 in one semester by enrolling in ACTG 100 A1 (first eight weeks) and ACTG 121 B2 (second eight weeks).

35724 ACTG 100 A1 Daily 9:05 10:00 14-220 Maule, B. 3.0
Start and end dates for section 35724: 1/13/03 3/14/03

34543 ACTG 100 AA MWF 10:10 11:00 14-220 Maule, B. 3.0

EVENING CLASSES

34431 ACTG 100 JA T 6:30 9:20 14-220 Neuebaumer, W. 3.0
31605 ACTG 100 KA W 6:30 9:20 14-220 Savitz, J. 3.0

ACTG 103 TEN KEY SKILLS

Self-paced course covering development of speed and accuracy using a ten-key calculator and the ten-key pad on a computer keyboard. Students must complete twenty-four hours of self-paced work. For complete information about this course, including how to get started, visit our website at www.smccd.net/accountsmaule. Open entry/open exit. Credit/No Credit grading. May be taken twice for a maximum of 1 unit. (CSU)

36337 ACTG 103 AO 24 Hrs by Arr. 15-160 Maule, B. 0.5

ACTG 121 FINANCIAL ACCOUNTING

Preparation and interpretation of accounting information. Includes application of accounting principles to value assets, liabilities, and equity; accounting systems; use of software applications to prepare and analyze accounting information; use of accounting information by decision makers. Students taking their first course in accounting are encouraged to complete ACTG 100 before enrolling in ACTG 121. Prerequisite: BUSW 105 or equivalent. Recommended Preparation: ACTG 100; BUSW 415 or equivalent; ENGL 100. (CSU/UC) (CAN BUS 4)

This class will be held on campus and online. Classes will meet every other Wednesday on campus. Remaining class time will be online. Students must have email and web access. See instructor’s web site for additional information (www.smccd.net/accounts/nurre).

37987 ACTG 121 JB W 6:00 9:50 14-216 Nurre, R. 4.0
By Arr 2.0 Hrs/Wk 14-216

EVENING/O ONLINE CLASSES

37987 ACTG 121 JB  W 6:00 9:50 14-216 Nurre, R. 4.0
By Arr 2.0 Hrs/Wk 14-216

ACTG 131 MANAGERIAL ACCOUNTING

Use of accounting information by management for analysis, planning, decision making and control; use of software applications to prepare and analyze accounting information. Includes product cost accumulation, cost-volume-profit analysis, responsibility accounting, budgeting, and capital budgeting. Prerequisite: ACTG 121; BUSW 415 or equivalent; ENGL 100. (CSU/UC) (CAN BUS 4)

36160 ACTG 131 JA W 6:00 9:50 14-216 Ambrose, R. 5.0
By Arr 2.0 Hrs/Wk 14-216

36161 ACTG 131 JC W 6:00 9:50 14-216 Nurre, R. 5.0
By Arr 2.0 Hrs/Wk 14-216

EVENING CLASSES

36163 ACTG 131 JA W 6:00 9:50 14-216 Whitten, L. 4.0
By Arr 2.0 Hrs/Wk 14-216

38549 ACTG 131 JB M 6:00 9:50 14-216 Nurre, R. 4.0
By Arr 2.0 Hrs/Wk 14-216

*On-Campus/Online course. (See description below.)

ACTG 131 MANAGERIAL ACCOUNTING (WITH ONLINE COMPONENT)

Use of accounting information by management for analysis, planning, decision making and control; use of software applications to prepare and analyze accounting information. Includes product cost accumulation, cost-volume-profit analysis, responsibility accounting, budgeting, and capital budgeting. Prerequisite: ACTG 121; BUSW 415 or equivalent; ENGL 100. (CSU/UC) (CAN BUS 4)

This class will be held primarily online. The class will meet on campus for the first class (1/13/03), midterm (3/17/03), and final (5/19/03). Students must have email and web access. See instructor’s web site (http://www.smccd.net/accounts/nurre) for additional information.

Accounting courses continued on next page
### EVENING/ONLINE CLASSES

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Days</th>
<th>Hours</th>
<th>Start Date</th>
<th>End Date</th>
<th>Instructor</th>
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<td>W</td>
<td>7:00 9:50</td>
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<td>Etezadi, S.</td>
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### EVENING CLASSES

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### ACTG 144 QUICKBOOKS: SETUP AND SERVICE BUSINESS

- Practical hands-on introduction to QuickBooks accounting software.
- Covers setup and service business transactions, including sales, receivables, cash collections, purchases, payables, and cash payments and payroll, and end-of-period procedures.
- ACTG 144 and ACTG 145 are independent courses and may be taken in either order or concurrently. May be taken twice for a maximum of 3 units. (CSU)

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<tr>
<th>Start and end dates</th>
<th>1/14 3/13</th>
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</table>

### ACTG 145 QUICKBOOKS: PAYROLL AND MERCHANDISING BUSINESS

- Practical, hands-on instruction to QuickBooks accounting software.
- Covers payroll and merchandising business transactions, including sales, receivables, cash collections, purchases, payables, and cash payments and payroll, and end-of-period procedures.
- ACTG 144 and ACTG 145 are independent courses and may be taken in either order or concurrently. May be taken twice for a maximum of 3 units. (CSU)

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<th>Start and end dates</th>
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### ACTG 690 SPECIAL PROJECTS

- Independent study in specific field or topic. Requires approval of Division Dean, Bldg. 15, Room 157. Register after the first week of classes.
- **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

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<td>31615 ACTG 690 AA</td>
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<tr>
<td>31616 ACTG 690 BB</td>
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### ACTG 880 TAX PREPARATION WORKSHOP

- A practical hands-on approach to individual income tax preparation.
- A short course for the first time preparer, or a refresher course for the professional preparer. Emphasis will focus on form preparation. Credit/No Credit grading.

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<tr>
<th>Start and end dates</th>
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### ADMINISTRATION OF JUSTICE

### ADMJ 100 INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM

- History and philosophy of justice in America; identification of subsystems; role expectations; theories of crime; education and training. **Recommended Preparation:** eligibility for ENGL 800 or 836. Includes POST Basic Learning Domains. (CSU/UC) (CAN AJ2)

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<tr>
<td>31628 ADMJ 100 AA</td>
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@ Courses open for audit. An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
### EVENING AND SATURDAY CLASSES

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<td>37616 ADMJ 776 j2</td>
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<td>6:30-8:00</td>
<td>18-290</td>
<td>Sours, W.</td>
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</table>

**ADMJ 775 PENAL CODE 832: FIREARMS TRAINING**
- Includes handgun familiarization; safety; care, cleaning, and storage; shooting principles; firearms range qualifications. Firearms used in this course are those typically used by law enforcement. Firearms and materials will be supplied in class. Range fees required. **Prerequisite:** per Penal Code 13511.5, students must obtain written clearance from the California Department of Justice verifying that they are not prohibited from firearms training. Please allow five to six weeks for DOJ clearance.
- Call the Administration of Justice Office for more information. Credit/No Credit grading. May be taken two times for a maximum of 2 units. Students are required to attend classes both on Monday evenings and on Saturdays.

### EVENING AND SUNDAY OFF-CAMPUS CLASSES

<table>
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<tr>
<th>Course Ref.</th>
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<th>Instructor</th>
<th>Units</th>
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<td>ADMJ 776</td>
<td>37626 ADMJ 777 j1</td>
<td>TThF</td>
<td>10:45-12:00</td>
<td>25-170</td>
<td>Lewis, D.</td>
<td>4.5</td>
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</table>

**ADMJ 776 REGULAR BASIC COURSE LEVEL II**
- Supplemental training for assignment as a Level III Reserve Police Officer. Prepares individuals who have completed all 64 hours of P.C. 832 Training for the limited support duties expected of Level III Reserve Police Officers. Covers CPR/First Aid; arrest and control techniques and baton training; chemical agents training; driving competency. Includes Peace Officer Standards and Basic Course Learning Domains. **Prerequisite:** ADMJ 771 and 775. Valid California Driver's License required. Credit/No Credit grading. Students are required to attend classes both on Monday evenings and on Saturdays.

### EVENING AND SATURDAY CLASSES

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<tr>
<th>Course Ref.</th>
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<td>6:30-8:00</td>
<td>18-290</td>
<td>Sours, W.</td>
<td>1.0</td>
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</table>

**ADMJ 777 REGULAR BASIC COURSE LEVEL II**
- Continues training for assignment as a Level II Reserve Police Officer. Prepares individuals who have completed all 64 hours of P.C. 832 Training and the supplemental 98 hours of Level III training. Covers investigative report writing, additional arrest and control and firearms training; cultural diversity and discrimination; community relations; victimology/crisis intervention; general crime statutes; sex crimes; crimes against property, persons, and children. Includes Peace Officer Standards and Training Basic Course Learning Domains. **Prerequisite:** ADMJ 776. Credit/No Credit grading. Students are required to attend classes both on Tuesday and Thursday evenings and on Saturdays.

### AERO NAUTICS

**AERO 100 PRIVATE PILOT GROUND SCHOOL**
- Principles of flight. Federal Aviation Regulations, flight environment, aircraft performance, and aviation weather. Prepares students to take FAA Private Pilot written exam. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU)

### EVENING CLASSES

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<tr>
<th>Course Ref.</th>
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<td>23-154</td>
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**AERO 100 PRIVATE PILOT GROUND SCHOOL**
- Principles of flight. Federal Aviation Regulations, flight environment, aircraft performance, and aviation weather. Prepares students to take FAA Private Pilot written exam. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU)

### AERO 300 GENERAL MAINTENANCE I
- Blueprint reading, mechanical drawing, aircraft weight and balance

(CSU) Transferable to California State Universities
(UC) Transferable to University of California, (*) With limitations

**AERO 300 GENERAL MAINTENANCE I**
- Blueprint reading, mechanical drawing, aircraft weight and balance

(CSU) Transferable to California State Universities
(UC) Transferable to University of California, (*) With limitations

**AERO 301 GENERAL MAINTENANCE LAB I**
- Laboratory course to accompany AERO 300. Coordinate with AERO counselor. Prepares individuals to take FAA Private Pilot written exam. Credit/No Credit grading.

**AERO 310 GENERAL MAINTENANCE II**
- Principles of aircraft sheet metal and wooden structures, identification of aircraft fasteners, and aircraft sheet metal layout and fabrication as specified in Federal Aviation Regulations Part 147. A $125.00 materials fee is payable upon registration. **Prerequisite:** AERO 300/301. Credit/No Credit grading.

**AERO 330 AIRFRAME MAINTENANCE I**
- Principles of aircraft sheet metal and wooden structures, identification of aircraft fasteners, and aircraft sheet metal layout and fabrication as specified in Federal Aviation Regulations Part 147. A $125.00 materials fee is payable upon registration. **Prerequisite:** AERO 300/301. Credit/No Credit grading.

**AERO 331 AIRFRAME MAINTENANCE LAB I**
- Laboratory course for airframe and powerplant certificate. Prepares individuals to take FAA Private Pilot written exam. Credit/No Credit grading.

**AERO 350 AIRFRAME MAINTENANCE II**
- Principles of construction of aircraft structures, repair of aircraft synthetic material, and principles of rigging fixed- and rotary-wing as specified in Federal Aviation Regulations Part 147. **Prerequisites:** AERO 300/301. Credit/No Credit grading.

**AERO 360 AIRFRAME MAINTENANCE III**
- Principles of aircraft sheet metal and wooden structures, identification of aircraft fasteners, and aircraft sheet metal layout and fabrication as specified in Federal Aviation Regulations Part 147. A $125.00 materials fee is payable upon registration. **Prerequisite:** AERO 300/301. Credit/No Credit grading.

**AERO 370 AIRFRAME MAINTENANCE IV**
- Principles of aircraft sheet metal and wooden structures, identification of aircraft fasteners, and aircraft sheet metal layout and fabrication as specified in Federal Aviation Regulations Part 147. A $125.00 materials fee is payable upon registration. **Prerequisite:** AERO 300/301. Credit/No Credit grading.
301 and 310/311. Corequisite: concurrent enrollment in AERO 351. (CSU)

31668 AERO 350 AA MW 7:30 8:35 26-144 Lewis, D. 2.5

AERO 351 AIRFRAME MAINTENANCE LAB II
Laboratory course required for airframe and powerplant certificate. Coordinate with AERO counselor. Plus one lab hour by arrangement per week. Corequisite: concurrent enrollment in AERO 350. (CSU)

31670 AERO 351 AA MW 8:45 10:35 25-170 Lewis, D. 4.5

TTHF 7:30 10:35 25-170

AERO 370 AIRFRAME MAINTENANCE III
Theory of operation of aircraft hydraulic, pneumatic, oxygen, and auto-pilot systems and other aircraft systems and components as specified in Federal Aviation Regulations Part 147. Prerequisite: AERO 300/301 and 310/311. Corequisite: concurrent enrollment in AERO 371. (CSU)

31674 AERO 370 AA MW 7:30 8:35 26-144 Elame, C. 2.5

AERO 371 AIRFRAME MAINTENANCE LAB III
Laboratory course required for airframe and powerplant certificate. Coordinate with AERO counselor. Plus one lab hour by arrangement per week. Corequisite: concurrent enrollment in AERO 370. (CSU)

31675 AERO 371 AA MW 8:45 10:35 25-170 Staff 4.5

TTHF 7:30 10:35 25-170

AERO 690 SPECIAL PROJECTS
Independent study in specific field or topic. Requires approval of Division Dean; Bldg. 19, Room 113. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

33244 AERO 690 AA By Arr 2.0 Hrs/Wk 19-113 McGinnis, T. 2.0

33246 AERO 690 BB By Arr 1.0 Hrs/Wk 19-113 McGinnis, T. 1.0

AFRICAN-AMERICAN STUDENT RECRUITMENT AND RETENTION PROGRAM
The African-American Student Recruitment and Retention Program (AFAM) uses a personal development, learning community approach to support students in their goal of transferring to historically Black colleges and universities, a California State University, or a University of California campus to earn a Bachelor’s degree. AFAM includes a comprehensive academic program; support resources, including intensive counseling; a mentoring and peer support network; four-year college and university tours; student leadership training; and cocurricular activities and service learning opportunities.

After an intensive student orientation, AFAM students work with a counselor to develop a Student Education Plan and to enroll in the AFAM learning community, consisting of courses that are clustered with an Afrocentric theme. These courses must be taken concurrently. All students will also participate in AFAM activities. Please join us in this exciting new program.

38352 AFAM 110 AA MF 9:10 12:00 16-270 10.0

W 9:10 1:00

Consists of:

ETHN 261 MWF 9:10 10:00 16-270 Crawford, Z. 3.0

READ 836 MWF 10:10 11:00 18-268 Mueller, F. 3.0

ENGL 836 MWF 11:10 12:00 18-288 Jones, F. 3.0

CRER 121 W 12:10 1:00 14-122 Ramsey, C. 1.0

Recommended Preparation for ETHN 261: eligibility for ENGL 800 or 836. Recommended Preparation for READ 836: READ 801 or 826 with Credit or a grade of C or higher (or appropriate skill level indicated by the Reading placement tests and other measures).

Prerequisite for ENGL 836: ENGL 801, 826, or 400 with a grade of C or higher (or appropriate skill level indicated by the English placement tests and other measures); and READ 801 or 826 with Credit or a grade of C or higher or eligibility for READ 802, 836, or 400-level Reading courses (indicated by the Reading placement tests and other measures).

For more information about AFAM, please contact Carolyn Ramsey (Bldg. 1, Room 247, 574-6197).

AMERICAN SIGN LANGUAGE
For a general explanation of course numbers and levels, please see FOREIGN LANGUAGES, page 55.

ASL 111 ELEMENTARY AMERICAN SIGN LANGUAGE I
Basic course in American Sign Language taught as a second language using dialogue drills, commands, and creative ideas. Plus one lab hour by arrangement per week. Credit/No Credit or letter grade option. (CSU/UC)

EVENING CLASSES
34544 ASL 111 JA T 7:00 9:50 18-287 Johnson, M. 3.0

ASL 112 ELEMENTARY AMERICAN SIGN LANGUAGE II
Encoding, decoding, interaction, and acquisition techniques for skilled hearing signers and deaf people. Plus one lab hour by arrangement per week. Prerequisite: ASL 111 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC)

EVENING CLASSES
34545 ASL 112 JA Th 7:00 9:50 18-287 Johnson, M. 3.0

ASL 121 ADVANCED ELEMENTARY AMERICAN SIGN LANGUAGE I
Covers the fundamental principles of Level II American Sign Language and introduces more advanced information about the Deaf community and Deaf culture. Plus one lab hour by arrangement per week. Prerequisite: ASL 112 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC)*

EVENING CLASSES
38807 ASL 121 JA M 7:00 10:05 18-287 Staff 3.0

ANTHROPOLOGY

ANTH 110 CULTURAL ANTHROPOLOGY
Study of culture as the man-made environment of particular societies. A cross-cultural comparison of cultural practices. Recommended Preparation: eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC) (CAN ANTH 4)

31679 ANTH 110 AA TTh 11:10 12:25 16-154 Matsuda, D. 3.0

EVENING CLASSES
37613 ANTH 110 JA Th 7:00 9:50 14-101 Nass, G. 3.0

ANTH 180 MAGIC, SCIENCE AND RELIGION
Cross-cultural study of preliterate societies’ beliefs about the nature of reality, and their religious, scientific, and magical practices as a consequence of these beliefs. Recommended Preparation: eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

31680 ANTH 180 AA Th 1:10 2:25 16-154 Matsuda, D. 3.0

ANTH 350 INTRODUCTION TO ARCHAEOLOGY
Survey of four million years of human biological evolution and the archaeological study of sociocultural adaptation. Recommended Preparation: ANTH 110 and eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU)

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 IX).
### ARABIC

**AN 370 LMEC, MAYA AND AZTEC PEOPLE AND CULTURES OF MEXICO AND CENTRAL AMERICA**

Develops an awareness and understanding of the major accomplishments of Olmec, Zapotec, Teotihuacan, Maya, Toltec, and Aztec subcultures via their myths, philosophy, religion, art, and socio-political traditions. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC*)

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<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
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**AN 690 SPECIAL PROJECTS**

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 169. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

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**ARBC 111 ELEMENTARY ARABIC I**

Conversation, reading, and dictation in Arabic; fundamentals of grammar, oral and written exercises. Study of Arabic culture. Plus one lab hour by arrangement per week. Credit/No Credit or letter grade option. (CSU/UC*)

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**ARBC 112 ELEMENTARY ARABIC II**

Continuation of ARBC 111. Conversation, reading, and dictation in Arabic; fundamentals of grammar, oral and written exercises. Study of Arabic culture. Plus one lab hour by arrangement per week. **Prerequisite:** ARBC 111 or equivalent with Credit or a grade of C or higher. Credit/ No Credit or letter grade option. (CSU/UC*)

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**ARBC 121 ADVANCED ELEMENTARY ARABIC I**

The third course in elementary Arabic. Continued emphasis on reading, grammar, sentence structure, composition, aural, and oral comprehension. Also enhances appreciation of Arabic culture. Plus one lab hour by arrangement per week. (CSU/UC)

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**ARBC 801 CONVERSATIONAL ARABIC I, ELEMENTARY**

Intensive drill in patterns and idioms of daily speech with sufficient grammar to give flexibility in the spoken language. Credit/No Credit grading. (This course will not fulfill the language requirement at California State Universities or the University of California.)

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</tbody>
</table>

(CSU) Transferable to California State Universities  
(UC) Transferable to University of California, (*) With limitations

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### ARCHITECTURE

**ARCH 100 SURVEY OF CONTEMPORARY ARCHITECTURE**

Basic values in contemporary architecture; its relationship to the environment, the individual and society, the home and neighborhood. A $4.00 materials fee is payable upon registration. Plus one hour by arrangement per week. (CSU/UC*)

<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<tbody>
<tr>
<td>ARCH 100</td>
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**ARCH 130 COLOR GRAPHICS**

Representational freehand drawing involving water color and ink. Further development in composition and visual perspective. Graphic supplies required. Plus one hour by arrangement per week. May be taken twice for a maximum of 2 units. (CSU/UC*)

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<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
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<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<tbody>
<tr>
<td>ARCH 130</td>
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</table>

**ARCH 140 ARCHITECTURAL DRAWING**

Development of the ability to visualize and graphically express forms and spaces in two and three dimensions, utilizing orthographic, paraline and perspective drawing. Graphic supplies required. Plus one hour by arrangement per week. **Prerequisite:** ARCH 120 or equivalent and MATH 115 or equivalent or one year of high school geometry with a grade of C or higher. (CSU/UC)

<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
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<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
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<td>ARCH 140</td>
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</table>

**ARCH 220 DESIGN II**

Continuation of ARCH 210. Introductory studies in visual and physical spacial relationships unique to architecture. Graphic and photographic supplies required. Plus three hours by arrangement per week. **Prerequisite:** ARCH 120, 210 and 666 with a grade of C or higher. **Corequisite:** concurrent enrollment in ARCH 140. Transfers admitted by portfolio evaluation only. (CSU/UC*)

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<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
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<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
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<td>ARCH 220</td>
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</table>

**ARCH 240 DESIGN IV**

Continuation of ARCH 230. Advanced studies in the application of design determinants to architectural problems with an emphasis on integrated design solutions. Graphic and photographic supplies required. Plus three hours by arrangement per week. **Prerequisites:** ARCH 145 and 230 with a grade of C or higher. Transfers admitted by portfolio evaluation only. (CSU)

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<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
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<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<tbody>
<tr>
<td>ARCH 240</td>
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</tbody>
</table>

**ARCH 690 SPECIAL PROJECTS**

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 11, Room 136. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
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<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>ARCH 690</td>
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</table>

**ART**

**ART 100 ART OF THE WESTERN WORLD**

"Art of the Western World" traces the Western tradition in the visual arts from ancient Greece to the present day. Chronologically introducing the societies, values, and ideals that gave birth to Western Art, it explores the connection between great works and the environment that stimulated their creation. Not intended for Art majors. **Recommended Preparation:** ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU)

<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<td>ART 100</td>
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</tbody>
</table>

Art courses continued on next page
ART 101 HISTORY OF ART I
Survey of artistic expression from prehistoric times to the late Middle Ages. Emphasizes the relationship of visual form to its historical and cultural context. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC) (CAN ART 2) (Completion of ART 101, 102, and 103 = CAN ART SEQ A)

31697 ART 101 AA TTh 8:10 9:25 4-152 Black, J. 3.0

ART 102 HISTORY OF ART II
Survey of artistic expression during the Renaissance, High Renaissance, and Baroque periods (c.1300-c.1700). Emphasizes the relationship of visual form to its historical and cultural context. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC) (Completion of ART 101, 102, and 103 = CAN ART SEQ A)

31699 ART 102 AA TTh 9:45 11:00 4-152 Black, J. 3.0

ART 103 HISTORY OF ART III
Survey of European and American artistic expression from the 18th Century to the present. Emphasizes development of modern painting and sculpture. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC) (Completion of ART 101, 102, and 103 = CAN ART SEQ A)

**EVENING CLASSES**
31700 ART 103 JA TTh 6:30 9:20 4-152 Bernard, B. 3.0

ART 104 ART OF THE 20TH CENTURY
Survey of principal styles in western art from 1888 to 1999, from Post-Impressionism to Modernism and Post-Modernism, from Paris to New York and the West Coast. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU)

**EVENING CLASSES**
38541 ART 104 JA M 6:30 9:35 4-152 Bourely, C. 3.0

ART 105 ART OF ASIA AND THE NEAR EAST
Introduction to some of the major monuments and themes of the visual arts of Asia and the Near East. Explores the connection between great works and the societies, values, and ideals that stimulated their creation. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

31701 ART 105 AA MW 11:10 12:25 4-152 Black, J. 3.0

ART 201 FORM AND COMPOSITION I
Study of two- and three-dimensional forms and space relationships.

* Courses open for audit.
<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>Preparation: ART 214. Credit/No Credit or letter grade option.</td>
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<tr>
<td>31715 ART 231 AX</td>
<td>MW</td>
<td>1:10</td>
<td>4:00</td>
<td>4-151</td>
<td>Camie, K.</td>
<td>3.0</td>
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<tr>
<td><strong>ART 232 WATERCOLOR II</strong></td>
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<tr>
<td>Continuation of ART 231. Advanced techniques. <strong>Prerequisite:</strong> ART 231. Credit/No Credit or letter grade option. May be taken three times for a maximum of 9 units. (CSU/UC*)</td>
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<tr>
<td>31716 ART 232 AX@ MW</td>
<td>1:10</td>
<td>4:00</td>
<td>4-151</td>
<td>Camie, K.</td>
<td>3.0</td>
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<tr>
<td><strong>ART 241 SILKSCREEN I</strong></td>
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<tr>
<td>Introduction to fine art application of silkscreen with non-toxic waterbase inks. Extra supplies required. (CSU/UC*)</td>
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<tr>
<td>31719 ART 241 AX</td>
<td>F</td>
<td>8:10</td>
<td>12:00</td>
<td>4-150</td>
<td>Rumer, D.</td>
<td>2.0</td>
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<tr>
<td><strong>ART 242 SILKSCREEN II</strong></td>
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<tr>
<td>Advanced serigraphy. Extra supplies required. <strong>Prerequisite:</strong> ART 241. May be taken three times for a maximum of 9 units. (CSU/UC*)</td>
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<tr>
<td>31720 ART 242 AX@ F</td>
<td>8:10</td>
<td>12:00</td>
<td>4-151</td>
<td>Rumer, D.</td>
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<tr>
<td><strong>ART 301 DESIGN</strong></td>
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<tr>
<td>Design principles of composition, balance, rhythm, pattern, etc. Collage, drawing, painting, and optional digital art assignments. Plus two lab hours by arrangement per week. (CSU/UC*)</td>
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<tr>
<td>31721 ART 301 AA MW</td>
<td>1:10</td>
<td>4:00</td>
<td>4-150</td>
<td>Pittman, J.</td>
<td>3.0</td>
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<tr>
<td><strong>ART 350 VISUAL PERCEPTION</strong></td>
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<td>Basic composition, using 35mm camera, meters, slide film, filters. Extra supplies required. (CSU)</td>
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<tr>
<td>31723 ART 350 AA T</td>
<td>1:10</td>
<td>4:00</td>
<td>4-152</td>
<td>Bhattacharji, S.</td>
<td>3.0</td>
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</tr>
<tr>
<td><strong>ART 351 BEGINNING BLACK AND WHITE PHOTOGRAPHY</strong></td>
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<tr>
<td>Introduction to basic black and white photographic skills and equipment including developing, printing, finishing, and darkroom work. Extra supplies required. Plus one lab hour by arrangement per week. <strong>Recommended Preparation:</strong> ART 201, 301, or 350. (CSU/UC*) (CAN ART 1B)</td>
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<tr>
<td>31725 ART 351 AX MW</td>
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<td>4-263</td>
<td>Gomes, L.</td>
<td>3.0</td>
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<tr>
<td><strong>ART 352 INTERMEDIATE BLACK AND WHITE PHOTOGRAPHY</strong></td>
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<tr>
<td>Designed for students who have basic black and white camera and darkroom skills. Refinement of visual and technical skills. Extra supplies required. A $15.00 materials fee is payable upon registration. <strong>Prerequisite:</strong> ART 351. (CSU/UC*)</td>
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<tr>
<td>31727 ART 352 AX TTh</td>
<td>9:10</td>
<td>12:00</td>
<td>4-263</td>
<td>Gomes, L.</td>
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<tr>
<td><strong>ART 353 ADVANCED BLACK AND WHITE PHOTOGRAPHY</strong></td>
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<tr>
<td>Designed for students who have intermediate camera and black and white darkroom skills. Further refinement of visual and technical skills. Covers advanced exposure and development techniques. Extra supplies required. A $15.00 materials fee is payable upon registration. Plus two lab hours by arrangement per week. <strong>Prerequisite:</strong> ART 352. May be taken twice for a maximum of 6 units. (CSU/UC)</td>
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<tr>
<td>31728 ART 353 AX TTh</td>
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<td>12:00</td>
<td>4-263</td>
<td>Gomes, L.</td>
<td>3.0</td>
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<tr>
<td><strong>ART 366 INTERMEDIATE DIGITAL IMAGING</strong></td>
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<td>Intermediate scanning from film and flat art; intermediate editing and printing using the current tools, technologies, and software. Development of a portfolio. Extra supplies required. A $15.00 materials fee is payable upon registration. Extra supplies may be required. Plus one lab hour by arrangement per week. <strong>Prerequisite:</strong> ART 365 with a grade of C or higher. (CSU)</td>
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<tr>
<td>31730 ART 366 AX MW</td>
<td>4:10</td>
<td>6:00</td>
<td>27-102</td>
<td>Lohmann, R.</td>
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<tr>
<td><strong>ART 367 DIGITAL IMAGING WORKSHOP</strong></td>
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<tr>
<td>Review of scanning, image editing, and available print technology leading to advanced techniques and theory in a workshop environment. Development of a portfolio. <strong>Prerequisite:</strong> ART 365. (CSU)</td>
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<td>31731 ART 367 A1 MW</td>
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<td>6:00</td>
<td>27-102</td>
<td>Lohmann, R.</td>
<td>3.0</td>
<td>2/13</td>
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<tr>
<td>31732 ART 367 A2 MW</td>
<td>4:10</td>
<td>6:00</td>
<td>27-102</td>
<td>Lohmann, R.</td>
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<td>2/13</td>
</tr>
<tr>
<td><strong>ART 405 SCULPTURE I</strong></td>
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<tr>
<td>Beginning modeling of abstract and human forms. May be cast, carved, or welded. Extra supplies required. A $30.00 materials fee is payable upon registration. Credit/No Credit or letter grade option. (CSU/UC*)</td>
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<tr>
<td>31739 ART 405 AX TTh</td>
<td>10:10</td>
<td>1:00</td>
<td>4-010</td>
<td>Nakata, R.</td>
<td>3.0</td>
<td>By Arr. 2.0 Hrs/Wk</td>
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<tr>
<td><strong>ART 406 SCULPTURE II</strong></td>
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<tr>
<td>Continuation of ART 405, with an emphasis on self expression. Choice of media is open. Extra supplies required. A $30.00 materials fee is payable upon registration. <strong>Prerequisite:</strong> ART 405 or equivalent. Credit/No Credit or letter grade option. May be taken three times for a maximum of 9 units. (CSU/UC*)</td>
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<tr>
<td>31740 ART 406 AX@ TTh</td>
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<td>1:00</td>
<td>4-010</td>
<td>Nakata, R.</td>
<td>3.0</td>
<td>By Arr. 2.0 Hrs/Wk</td>
</tr>
<tr>
<td><strong>ART 411 CERAMICS I</strong></td>
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<tr>
<td>Elementary clay construction; methods of ornamentation, glazing, firing; introduction to potter’s wheel. Extra supplies required. A $30.00 materials fee is payable upon registration. Credit/No Credit or letter grade option. (CSU/UC*) (CAN ART 6)</td>
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<tr>
<td>31741 ART 411 AX MW</td>
<td>1:10</td>
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<td>Nakata, R.</td>
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<td>By Arr. 2.0 Hrs/Wk</td>
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<tr>
<td><strong>ART 412 CERAMICS II</strong></td>
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<tr>
<td>Continuation and advanced study of topics introduced in ART 411. Extra supplies required. A $30.00 materials fee is payable upon registration. <strong>Prerequisite:</strong> ART 411. Credit/No Credit or letter grade option. May be taken three times for a maximum of 9 units. (CSU/UC*)</td>
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<td>31742 ART 412 AX@ MW</td>
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<td>4:00</td>
<td>4-010</td>
<td>Nakata, R.</td>
<td>3.0</td>
<td>By Arr. 2.0 Hrs/Wk</td>
</tr>
<tr>
<td><strong>ART 681 ADVANCED CERAMICS WORKSHOP</strong></td>
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<tr>
<td>Continuation and advanced techniques of the potter’s wheel and glaze formulation experimentation. Extra supplies may be required. A $30.00 materials fee is payable upon registration for each section. <strong>Prerequisite:</strong> ART 412 or equivalent. May be taken twice for a maximum of 1 unit. (CSU)</td>
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<tr>
<td>36999 ART 681 AX T</td>
<td>1:10</td>
<td>4:00</td>
<td>4-010</td>
<td>Nakata, R.</td>
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<td>1/14</td>
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</tbody>
</table>

(CSU) Transerable to California State Universities
(UC) Transferable to University of California, (*) With limitations
### ART 690 SPECIAL PROJECTS

Independent study in specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 157. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Days</th>
<th>Hours</th>
<th>Room</th>
<th>Instructor</th>
<th>Units</th>
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<tbody>
<tr>
<td>31736 ART 690 AA</td>
<td>By Arr</td>
<td>2.0 Hrs/Wk</td>
<td>15-157</td>
<td>Avelar, L.</td>
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</tr>
<tr>
<td>31737 ART 690 BB</td>
<td>By Arr</td>
<td>1.0 Hrs/Wk</td>
<td>15-157</td>
<td>Avelar, L.</td>
<td>1.0</td>
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</table>

### BIOL 102 ENVIRONMENTAL CONSERVATION

The relationship of humans to the environment: conservation of resources, dynamics of ecosystems, and alternative energy sources. Possible field trip(s). Plus one hour by arrangement per week. (CSU/UC)

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Days</th>
<th>Hours</th>
<th>Room</th>
<th>Instructor</th>
<th>Units</th>
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<tbody>
<tr>
<td>31758 BIOL 102 AA</td>
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<td>10:10</td>
<td>11-133</td>
<td>Beliz, T.</td>
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### BIOL 110 GENERAL PRINCIPLES OF BIOLOGY

Lecture/lab study of major principles of biology; one or more field trips may be required. Extra supplies may be required. Plus one hour by arrangement per week. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN BIOL 2)

- **Prerequisite:** BIOL 100 or 110 with a grade of C or higher.
- **Recommended Preparation:** eligibility for ENGL 800 or 836.

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Days</th>
<th>Hours</th>
<th>Room</th>
<th>Instructor</th>
<th>Units</th>
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<tbody>
<tr>
<td>31760 BIOL 110 AX</td>
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<td>9:10</td>
<td>10-120</td>
<td>Tonini, C.</td>
<td>1.0</td>
</tr>
<tr>
<td>33089 BIOL 110 BX</td>
<td>MWF</td>
<td>10:10</td>
<td>11-133</td>
<td>Whyte, W.</td>
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### ASTRO ASTRONOMY

**ASTR 100 INTRODUCTION TO ASTRONOMY**

Descriptive study of the solar system, stars, galaxies, and life in the universe. Plus one hour per week by arrangement. (CSU/UC)

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Days</th>
<th>Hours</th>
<th>Room</th>
<th>Instructor</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>31738 ASTR 100 AX</td>
<td>TTh</td>
<td>12:10</td>
<td>18-076</td>
<td>Stanford, D.</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**ASTR 680 OBSERVATIONAL ASTRONOMY LAB RATORY**

Introduction to observational astronomy for the general public interested in astronomy and students taking ASTR 100 and/or ASTR 101. Students will learn to observe and image planets, stars and galaxies. They will also investigate the rotation of the Earth, take measurements of the sky and the height of Polaris above the northern horizon. Focus on observational techniques. Students will have hands-on access to telescopes. Credit/No Credit grading. (CSU)

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Days</th>
<th>Hours</th>
<th>Room</th>
<th>Instructor</th>
<th>Units</th>
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<tbody>
<tr>
<td>38264 ASTR 680 A1</td>
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<td>12:10</td>
<td>22-102</td>
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<tr>
<td>38265 ASTR 680 A2</td>
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<td>10:10</td>
<td>22-102</td>
<td>Wilson, M.</td>
<td>1.0</td>
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</tbody>
</table>

### BIOL 110 GENERAL PRINCIPLES OF BIOLOGY

Lecture/lab study of major principles of biology; one or more field trips may be required. Extra supplies may be required. Plus one hour by arrangement per week. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN BIOL 2)

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Days</th>
<th>Hours</th>
<th>Room</th>
<th>Instructor</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>31760 BIOL 110 AX</td>
<td>TTh</td>
<td>12:10</td>
<td>12-181</td>
<td>Kowerski, R.</td>
<td>3.0</td>
</tr>
</tbody>
</table>

### BIOL 140 ANIMALS, PEOPLE AND ENVIRONMENT

Animals and their relationship to man. Animals as predators, prey, servants, companions, and bearers of disease. One or more field trips may be required. General education course for non-science majors. Plus one hour by arrangement per week. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Days</th>
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<td>31758 BIOL 140 AA</td>
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<td>11:10</td>
<td>11-133</td>
<td>Beliz, T.</td>
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</table>

### BIOL 184 WILDLIFE BIOLOGY

Study of wildlife species, emphasizing mammals of the Pacific states: characteristics, life histories, ecology, and economic importance. One or more field trips may be required. Plus one hour by arrangement per week. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Days</th>
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<th>Room</th>
<th>Instructor</th>
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*An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).*
<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
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<tr>
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<td>33177 BIOL 260 AA</td>
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<td>9:10</td>
<td>10:25</td>
<td>10-103</td>
<td>Tonini, C.</td>
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</tr>
</tbody>
</table>

**BIO 195 BIOLOGY FIELD LABORATORY**

Emphasis on field trips to selected sites with laboratory preparation. Covers a wide range of topics including animals, both domestic and wild; natural and human-made ecosystems; forests; habitat disruption; and museums and parks. Designed for non-science majors to fulfill natural science G.E. requirement. Plus one hour by arrangement per week. **Prerequisite:** completion of or concurrent enrollment in BIOL 100, 120, 140, 145, 180, or 184. (CSU/UC)

**BIO 210 GENERAL ANATOMY**

Human body structure. Lab study and dissection of human male and female. Extra supplies may be required. Plus one hour by arrangement per week. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN BIOL 10)

**BIO 220 GENERAL ZOOLOGY**

Introduction to principles of animal biology. Includes the molecular basis of life, structure, function, and behavior. One or more field trips may be required. Extra supplies may be required. Plus one hour by arrangement per week. **Prerequisite:** BIOL 100 and CHM 192 or 410 with a grade of C or higher OR one year of high school biology with lab with a grade of B or higher and one year of high school chemistry with lab with a grade of B or higher. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN BIOL 4)

**BIO 230 INTRODUCTORY PHYSIOLOGY**

Function of organs and systems of the human body. Intended for students of nursing, physiotherapy, P.E., psychology and related fields. Extra supplies may be required. Plus one hour by arrangement per week. **Prerequisite:** BIOL 250 and CHEM 192 or 410 with a grade of C or higher OR one year of high school biology with lab with a grade of B or higher and one year of high school chemistry with lab with a grade of B or higher. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN BIOL SEQ B)

**BIO 240 GENERAL MICROBIOLOGY**

Introduction to morphology and physiology of microorganisms, with emphasis on control by chemical and physical means; their role in the human body and the environment. One or more field trips may be required. Extra supplies may be required. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN BIOL 14)

**BIO 250 INTRODUCTORY PHYSIOLOGY**

Introduction to the recombinant DNA methods used in medicine, agriculture, and industry. **Recommended Preparation:** high school biology or equivalent. One or more field trips may be required. Extra supplies may be required. Credit/No Credit or letter grade option. (CSU)

**BIO 666 CAREERS IN BIOTECHNOLOGY AND BIOLOGY**

Introduction to the recombinant DNA methods used in medicine, agriculture, and industry. **Recommended Preparation:** high school biology or equivalent. One or more field trips may be required. Extra supplies may be required. Credit/No Credit or letter grade option. (CSU)

**BIO 675 HONORS COLLOQUIUM IN BIOLOGY**

Readings, discussion, and lectures covering selected advanced topics in biology. **Prerequisite:** limited to students in the Honors Program (ENGL 100 eligibility; GPA=3.3) who have completed or are currently enrolled in an associated non-honors course in biology. (CSU/UC*)

**BIO 680 BIOTECHNOLOGY WORKSHOP**

Principles, application, and hands-on techniques in the polymerase chain reaction. **Prerequisite:** BIOL 110. **Recommended Preparation:** BIOL 210, 220, 230, or 240. (CSU)

**BIO 690 SPECIAL PROJECTS**

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 11, Room 136. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

**BCST 100 VIDEO AND AUDIO AESTHETICS**

Examines visual and aural elements including light, color, sound, motion, framing, and many others-and the ways they are used to influence viewers’ feelings and responses. Credit/No Credit or letter grade option. (CSU)

*UC) Transferable to University of California, (*) With limitations
BCST 101 CAREERS IN ELECTRONIC MEDIA
Provides students with an overview of the Broadcast and Electronic Media industry and the varied career opportunities within it. Covers both academic and professional preparation necessary for student success. Credit/No Credit or letter grade option. (CSU)

38009 BCST 101 A1 TTh 9:45 11:00 4-251 Hughes, G. 1.5
Start and end dates for section 38009: 1/14 3/13

BCST 110 ELECTRONIC MEDIA IN SOCIETY
Introduction to the radio and television industry, its history, organization, programming, and business procedures. Examines the effects of and influences of broadcasting (and cable and other forms of electronic communications) on society. (CSU)

31741 BCST 110 AA MWF 9:10 10:00 4-251 Hughes, G. 3.0

BCST 131 BASIC AUDIO OPERATIONS
Study of basic principles of sound and audio. Instruction in the use of audio control equipment in electronic media operations including analog and digital mixing, recording and editing techniques. (CSU)

31743 BCST 131 AA M 10:10 12:00 3-178 Isaacs, M. 3.0
W 10:10 1:00 3-178

BCST 132 ADVANCED AUDIO OPERATIONS
Continuation of BCST 131. Emphasizes audio production including multitrack digital recording, web-based audio, and audio for multimedia. Advanced students may be selected for on-air and production at KCSM-FM. Prerequisite: BCST 131 with a grade of C or higher. May be taken three times for a maximum of 9 units. (CSU)

31744 BCST 132 AA TTh 8:10 11:00 3-178 Isaacs, M. 3.0

BCST 194 WRITING FOR ELECTRONIC MEDIA
Writing and editing for radio, television, and non-broadcast video. Covers libel and slander laws. (CSU)

33961 BCST 194 AA TTh 11:10 12:25 4-251 Nelson, J. 3.0

BCST 231 TELEVISION STUDIO TECHNIQUES
Television production including all crew positions and operation of all equipment in the television studio (cameras, audio, switcher, CG, lights, etc.) Includes writing, producing, and directing. (CSU)

33962 BCST 231 AA TTh 12:45 1:00 4-251 Nelson, J. 3.0

BCST 232 TELEVISION PRODUCTION
Continued activity in television production. Greater emphasis on writing, producing, and directing. Introduction to single camera remote production and video tape editing. Prerequisite: BCST 231 with a grade of C or higher. Recommended Preparation: BCST 194 with a grade of C or higher. May be taken twice for a maximum of 8 units. (CSU)

31747 BCST 232 AA MWF 1:10 2:00 4-251 Zanardi, R. 4.0
W 2:10 5:00 9-140

BCST 242 ADVANCED TELEVISION PRODUCTION
Advanced activity in productions, remote productions, and editing. Suitable program material may air on KCSM-TV and SAMNET. Prerequisite: BCST 232 with a grade of C or higher. Recommended Preparation: BCST 194 with a grade of C or higher. May be taken three times for a maximum of 12 units. (CSU)

31749 BCST 242 AA TTh 12:30 2:40 4-251 Staff 4.0

BCST 244 INTERNSHIP IN BROADCASTING
Supervised experience in broadcast operations at KCSM or related industry. Prerequisite: concurrent enrollment in or completion of BCST 232 with a grade of C or higher. Credit/No Credit or letter grade option. May be taken four times for a maximum of 12 units. (CSU)

31752 BCST 244 AA By Arr 2.0 Hrs/Wk 19-113 McGinnis, T. 2.0
33564 BCST 690 BB By Arr 1.0 Hrs/Wk 19-113 McGinnis, T. 1.0

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX),
EVENING CLASSES
31777 BLDG 700 JA  T  6:30  9:20  19-107  Dunlap, E.  3.0

BLDG 710 NON-STRUCTURAL PROVISIONS OF THE UNIFORM BUILDING CODE
Study of the fire and life safety provisions of the Uniform Building Code. Prerequisite: BLDG 700 or equivalent with a grade of C or higher. Since this course may cover an updated version of the code, it may be taken four times for a maximum of 12 units.

EVENING CLASSES
31778 BLDG 710 JA  Th  6:30  9:20  19-107  Grieco, A.  3.0

BLDG 720 ELECTRICAL INSPECTION I
Provides an overview of the National Electrical Code, recent code changes, appropriate research techniques, and code interpretation considerations. Prerequisite: BLDG 700 or equivalent with a grade of C or higher. Recommended Preparation: ELEC 110. Since this course may cover an updated version of the code, it may be taken four times for a maximum of 12 units.

EVENING CLASSES
35447 BLDG 720 JA  W  6:30  9:20  19-107  Nolfi, M.  3.0

BLDG 725 ELECTRICAL INSPECTION II
Continuation of Building Inspection Technology 720. Covers in-depth, advanced study of specific sections of the National Electrical Code dealing with calculations. Prerequisite: BLDG 720 or equivalent with a grade of C or higher. Since this course may cover an updated version of the code, it may be taken four times for a maximum of 12 units.

EVENING CLASSES
35031 BLDG 725 JA  M  6:30  9:35  19-107  Hansen, D.  3.0

BLDG 760 ENERGY REGULATIONS
Methods of compliance with energy regulations applicable to dwellings, apartments, condominiums, and hotels. Prerequisite: BLDG 700 or equivalent with a grade of C or higher. Since this course may cover an updated version of the code, it may be taken four times for a maximum of 12 units.

EVENING CLASSES
31779 BLDG 760 JA  W  6:30  9:20  19-107  LaTorra, J.  3.0

BLDG 775 INTRODUCTION TO RESIDENTIAL DWELLING INSPECTION TECHNOLOGY
Introduction to inspection techniques for residential dwellings and the writing of reports designed to identify material defects in the current condition of systems and components of a typical residential dwelling and/or conditions that present a hazard to personal safety. Since this course may cover an updated version of the code, it may be taken four times for a maximum of 12 units.

EVENING CLASSES
35030 BLDG 775 JA  M  6:30  9:35  19-103  McCarthy, J.  3.0

BUSINESS
Also see Management

BUS. 100 CONTEMPORARY AMERICAN BUSINESS
Explores various aspects of the business world: management, marketing, accounting, finances, production, management information systems, small business, business law and world trade. Helps students identify career opportunities. Recommended Preparation: eligibility for ENGL 800 or 836. (CSU/UC)

31780 BUS. 100 AA  MWF  8:10  9:00  14-206  Blake, C.  3.0
31782 BUS. 100 BB  MWF  9:10  10:00  14-206  Blinn, T.  3.0
31784 BUS. 100 AA  Th  6:30  9:20  14-206  Blake, C.  3.0
31785 BUS. 100 AA  MWF  8:10  9:00  14-206  Blinn, T.  3.0
31786 BUS. 100 BB  MWF  9:10  10:00  14-206  Blinn, T.  3.0
31787 BUS. 100 BB  MWF  8:10  9:00  14-206  Blinn, T.  3.0
31788 BUS. 100 BB  Th  6:30  9:20  14-206  Blinn, T.  3.0
31791 BUS. 101 Th  7:00  9:50  14-201  Kennedy, V.  3.0
31794 BUS. 115 AA  MWF  8:10  9:00  14-201  Kennedy, V.  3.0
31795 BUS. 115 AA  MWF  9:10  10:00  14-201  Kennedy, V.  3.0
31796 BUS. 115 AA  MWF  10:10  11:00  14-201  Kennedy, V.  3.0
31797 BUS. 140 AA  MWF  8:10  9:00  14-201  Kennedy, V.  3.0
31798 BUS. 140 AA  MWF  9:10  10:00  14-201  Kennedy, V.  3.0
31799 BUS. 140 AA  MWF  10:10  11:00  14-201  Kennedy, V.  3.0
31800 BUS. 140 AA  MWF  11:10  12:00  14-201  Kennedy, V.  3.0

BUS. 115 BUSINESS MATHEMATICS
Calculating interest, discount, financial statements, ratios. Prerequisite: appropriate skill level as measured by a satisfactory score on the CSM Math Placement Test One and other measures. Recommended Preparation: BUS. 810. (CSU)

31794 BUS. 115 AA  MWF  10:10  11:00  14-200  McGlasson, P.  3.0
31795 BUS. 115 AA  W  6:30  9:20  16-169  Staff  3.0

BUS. 140 SECURITY INVESTMENTS
Stocks, bonds, and investment trusts, investment policies, evaluation and charting. Recommended Preparation: MATH 811 and eligibility for ENGL 800 or 836. (CSU)

EVENING CLASSES
33976 BUS. 140 JA  W  6:30  9:20  14-200  Staff  3.0

BUS. 150 SMALL BUSINESS MANAGEMENT
TELECOURSE: Examination of opportunities and hazards of small business operations; for business students who plan to establish a small business. Prerequisite: BUS. 100 or equivalent. Recommended Preparation: eligibility for ENGL 800 or 836. (CSU)

TV CLASSES
31801 BUS. 150 TV  See pages 98-102  TV-CRS  Janssen, W.  3.0

BUS. 170 SALESMANSHIP FUNDAMENTALS
TELECOURSE: “The Sales Connection” is designed to provide the basic information, procedures, principles, and techniques of the sales process as used in the various areas of business. Recommended Preparation: eligibility for ENGL 800 or 836. (CSU)

TV CLASSES
34386 BUS. 170 TV  See pages 98-102  TV-CRS  Janssen, W.  3.0

(CSU) Transferable to California State Universities
(UC) Transferable to University of California, (*) With limitations
### BUS. 180 Marketing
Introduces and examines the various elements of contemporary marketing: product/service development, distribution, promoting and pricing. Emphasizes the creation of long-range customer relationships. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU)

### BUS. 201 Business Law I
Introduction to the law applicable to business sources, agencies, and procedures for enforcement. Emphasizes contract law. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN BUS 8)

### BUS. 295 Computer Systems in Business
Develop and design a business computer system; write and run programs in BASIC; use of microcomputer software applications for word processing, spreadsheets, and database management. A $2.00 materials fee is payable upon registration. **Prerequisite:** BUSW 415 or equivalent; BUS. 115 or MATH 110 or equivalent; and concurrent enrollment in or completion of ACTG 100 or 121. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU) (CAN BUS 6)

### BUS. 315 Keyboarding I
Beginning course to develop skills in computer keyboarding by touch including speed and accuracy building, basic word processing techniques, basic formatting, and printing. Two 3 1/2-inch High Density diskettes required at first class meeting. A $2.00 materials fee is payable upon registration. (CSU)

### BUS. 316 Keyboarding II
An advanced course to develop skills for information processing, including speed and accuracy of document processing, word processing, techniques, and advanced formatting. Two 3 1/2-inch High Density diskettes required at first class meeting. A $2.00 materials fee is payable upon registration. **Prerequisite:** BUS. 315 or one year of high school keyboarding or equivalent. May be taken twice for a maximum of 6 units. (CSU)

### BUS. 317 Micro/Keyboarding: Skill-Building
Increase keyboard speed and accuracy through the use of an interactive microcomputer skill-building program. A 3 1/2-inch High Density diskette required at first class meeting. A $2.00 materials fee is payable upon registration. **Prerequisite:** BUS. 315 or one year of high school keyboarding or equivalent. May be taken twice for a maximum of 3 units. (CSU)

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**TV CLASSES**

<table>
<thead>
<tr>
<th>Ref.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<tr>
<td>31808</td>
<td>BUS. 180 TV</td>
<td>See pages 98-102</td>
<td>TV-CRS Blake, C.</td>
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<tr>
<td>31809</td>
<td>BUS. 315 AA</td>
<td>MWF</td>
<td>8:10-9:00</td>
<td>14-200</td>
<td>Isler, S.</td>
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<td>31811</td>
<td>BUS. 315 BB</td>
<td>TTh</td>
<td>8:10-9:25</td>
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<td>31813</td>
<td>BUS. 201 JA</td>
<td>Th</td>
<td>6:30-9:20</td>
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<td>Lau, L.</td>
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<td>31814</td>
<td>BUS. 201 TV</td>
<td>See pages 98-102</td>
<td>TV-CRS Trimble, J.</td>
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<tr>
<td>35047</td>
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<td>10:10-11:00</td>
<td>14-123</td>
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<td>14-123</td>
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<td>35781</td>
<td>BUS. 317 A2</td>
<td>M</td>
<td>9:40-11:00</td>
<td>14-123</td>
<td>Brannock, P.</td>
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### EVENING CLASSES

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<td>35780</td>
<td>BUS. 315 J2</td>
<td>M</td>
<td>6:30-9:35</td>
<td>14-123</td>
<td>McGlasson, P.</td>
<td>1.5</td>
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<td>14-123</td>
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<tr>
<td>35047</td>
<td>BUS. 317 B2</td>
<td>MWF</td>
<td>10:10-11:00</td>
<td>14-123</td>
<td>Brannock, P.</td>
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<td>14-123</td>
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### BUS. 326 Electronic Filing and Records Management
Study both manual and microcomputer filing methods. Create and maintain data records alphabetically, numerically, geographically, and by subject. **Recommended Preparation:** BUS. 315 or equivalent; eligibility for ENGL 800 or 836. May be taken twice for a maximum of 3 units. (CSU)

### BUS. 690 Special Projects
Independent study in specific field or topic. Requires approval of Division Dean, Bldg. 15, Room 157. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

### BUS. 690 Special Projects
Independent study in specific field or topic. Requires approval of Division Dean, Bldg. 15, Room 157. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

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An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
BUSINESS APPLICATIONS - WINDOWS PLATFORM

A $2.00 materials fee is payable upon registration for Windows Platform classes.

TRAIN FOR A NEW JOB IN JUST EIGHT WEEKS!

In our Accelerated Program you can train to be an Office Assistant in just eight weeks. Many jobs paying $12 to $17 per hour are available. The Accelerated Program includes Windows (BUSW 114), Word (BUSW 214), Excel (BUSW 415), Internet (BUSW 530), Micro-Skillbuilding (BUS 317), and Career Choices (CRER 133). A sixteen-week program is also available. An Information Meeting will be held from 7-8 p.m. in Bldg. 14, Room 220 on the first Thursday in December and the first Thursday in May. For more information visit our website at www.smccd.net/accounts/Maule or call 574-6519.

BUSW 105 INTRODUCTION TO MICROCOMPUTERS

Introduction to microcomputers. Covers equipment, operating systems, and Windows software applications including Microsoft Word, Excel, and Power Point. A 3 1/2-inch High Density diskette required at first class meeting. **Prerequisite:** BUSW 105 or equivalent. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit grading. May be taken twice for a maximum of 3 units. (CSU)

- **Course:** BUSW 105 A1
  - **Ref. No.:** 35782
  - **Class ID:** BUSW 105 A1 T
  - **Days:** TTh
  - **Hours:** 9:45 - 11:00
  - **Room:** 14-119
  - **Instructor:** Dorsett, D.
  - **Units:** 1.5
  - **Start and end dates:** 1/15 - 3/12
  - **By Arr:** 2.0 Hrs/Wk

- **Course:** BUSW 105 A2
  - **Ref. No.:** 37758
  - **Class ID:** BUSW 105 A2 TTh
  - **Days:** TTh
  - **Hours:** 9:45 - 11:00
  - **Room:** 14-215
  - **Instructor:** Dorsett, D.
  - **Units:** 1.5
  - **Start and end dates:** 3/18 - 5/15
  - **By Arr:** 2.0 Hrs/Wk

- **Course:** BUSW 105 C1
  - **Ref. No.:** 36168
  - **Class ID:** BUSW 105 C1 MW
  - **Days:** MW
  - **Hours:** 11:10 - 12:00
  - **Room:** 14-215
  - **Instructor:** Brown, S.
  - **Units:** 1.5
  - **Start and end dates:** 1/14 - 3/13
  - **By Arr:** 2.1 Hrs/Wk

- **Course:** BUSW 114 WINDOWS FUNDAMENTALS I
  - **Ref. No.:** 35069
  - **Class ID:** BUSW 114
  - **Days:** J1
  - **Hours:** 7:00 - 9:50
  - **Room:** 14-119
  - **Instructor:** Kistler, T.
  - **Units:** 1.5
  - **Start and end dates:** 1/14 - 3/11
  - **By Arr:** 2.0 Hrs/Wk

- **Course:** BUSW 214 WORD PROCESSING I USING WORD FOR WINDOWS
  - **Ref. No.:** 36392
  - **Class ID:** BUSW 214
  - **Days:** J1
  - **Hours:** 12:10 - 1:25
  - **Room:** 14-215
  - **Instructor:** Brown, K.
  - **Units:** 1.5
  - **Start and end dates:** 1/13 - 3/12
  - **By Arr:** 2.0 Hrs/Wk

- **Course:** BUSW 680 WINDOWS FUNDAMENTALS II
  - **Ref. No.:** 35068
  - **Class ID:** BUSW 680
  - **Days:** J1
  - **Hours:** 7:00 - 9:20
  - **Room:** 14-215
  - **Instructor:** Morgan, M.
  - **Units:** 1.5
  - **Start and end dates:** 1/16 - 3/13
  - **By Arr:** 2.0 Hrs/Wk

Windows; how to install software application programs; how to configure devices, drivers, and memory; and how to set up fonts and printers. **Prerequisite:** BUSW 114 or equivalent. To increase competency, may be taken twice for a maximum of 3 units. (CSU)

- **Course:** BUSW 127 WINDOWS 2000 INSTALLATION AND SUPPORT
  - **Ref. No.:** 38559
  - **Class ID:** BUSW 127 S1
  - **Days:** S
  - **Hours:** 8:00 - 11:50
  - **Room:** 14-119
  - **Instructor:** Brown, T.
  - **Units:** 3.0
  - **Start and end dates:** 1/13 - 3/17
  - **By Arr:** 2.0 Hrs/Wk

- **Course:** BUSW 215 WORD PROCESSING II USING WORD FOR WINDOWS
  - **Ref. No.:** 35081
  - **Class ID:** BUSW 215 J1
  - **Days:** M
  - **Hours:** 6:30 - 9:20
  - **Room:** 14-215
  - **Instructor:** Brown, K.
  - **Units:** 1.5
  - **Start and end dates:** 1/13 - 3/17
  - **By Arr:** 2.0 Hrs/Wk

(CSU) Transferable to California State Universities

(UC) Transferable to University of California, (*) With limitations

Business Applications - Windows Platform courses continued on next page
styles, OLE, and conversions. A 3 1/2-inch High Density diskette required at first class meeting. **Prerequisite:** BUSW 214 or equivalent. May be taken twice for a maximum of 3 units. (CSU)

By Arr 2.0 Hrs/Wk 14-215
Start and end dates for section 35084: 3/17 5/14

**EVENING CLASSES**

36395 BUSW 215 J2 M 6:30 9:35 14-119 Brown, K. 1.5
By Arr 2.0 Hrs/Wk 14-119
Start and end dates for section 36395: 3/24 5/19

**BUSW 383 BUSINESS PRESENTATIONS USING POWER POINT FOR WINDOWS**

Using Power Point, examines the components of effective business presentations and capabilities and features of business presentation software for the purpose of planning and creating a complete presentation of integrated text and graphics in a slide format. A 3 1/2-inch High Density diskette required at first class meeting. **Prerequisite:** BUSW 214 or equivalent. May be taken twice for a maximum of 3 units. (CSU)

35087 BUSW 383 A2 MWF 11:10 12:00 14-215 Brown, S. 1.5
By Arr 2.1 Hrs/Wk 14-215
Start and end dates for section 35087: 3/17 5/16

**BU BW 415 SPREADSHEET I USING EXCEL FOR WINDOWS**

Creation and use of spreadsheets. Includes spreadsheet design, use of menu systems, basic formulas and functions, relative and absolute addressing, formatting, printing, and graphing. A 3 1/2-inch High Density diskette required at first class meeting. **Prerequisite:** BUSW 114 or equivalent. May be taken twice for a maximum of 3 units. (CSU)

35798 BUSW 415 A1 MWF 10:10 11:00 14-119 Brown, S. 1.5
By Arr 2.1 Hrs/Wk 14-119
Start and end dates for section 35798: 3/17 5/14

35091 BUSW 415 B1 TTh 11:10 12:25 14-119 Perkins, G. 1.5
By Arr 2.0 Hrs/Wk 14-119
Start and end dates for section 35091: 3/13 3/13

35089 BUSW 415 B2 MWF 8:10 9:00 14-119 Hitchcock, M. 1.5
By Arr 2.1 Hrs/Wk 14-119
Start and end dates for section 35089: 3/17 5/16

**EVENING AND SATURDAY CLASSES**

35092 BUSW 415 J1 Th 7:00 9:50 14-119 Dorsett, D. 1.5
By Arr 2.0 Hrs/Wk 14-119
Start and end dates for section 35092: 3/16 3/13

35093 BUSW 415 S1 S 9:00 12:15 14-121 Weiner, G. 1.5
By Arr 2.4 Hrs/Wk 14-121
Start and end dates for section 35093: 3/25 3/15

**BUSW 416 SPREADSHEET II USING EXCEL FOR WINDOWS**

Advanced spreadsheet functions. Includes design and optimization of large and complex spreadsheet, advanced formulas and functions, database features, macros, and linking of spreadsheets with other software programs. A 3 1/2-inch High Density diskette required at first class meeting. **Prerequisite:** BUSW 415 or equivalent. (CSU)

35094 BUSW 416 A2 MWF 10:10 11:00 14-119 Brown, S. 1.5
By Arr 2.1 Hrs/Wk 14-119
Start and end dates for section 35094: 3/17 5/16

By Arr 2.0 Hrs/Wk 14-119
Start and end dates for section 35095: 3/18 5/15

**EVENING AND SATURDAY CLASSES**

35096 BUSW 416 J2 Th 7:00 9:50 14-119 Dorsett, D. 1.5
By Arr 2.0 Hrs/Wk 14-119
Start and end dates for section 35096: 3/20 5/22

35097 BUSW 416 S2 S 9:00 12:05 14-121 Weiner, G. 1.5
By Arr 2.0 Hrs/Wk 14-121
Start and end dates for section 35097: 3/22 5/17

**BUSW 464 DATABASE MANAGEMENT FUNDAMENTALS USING ACCESS FOR WINDOWS**

Introduction to database creation and applications for business using Microsoft Access. Covers database structures; adding, manipulating, and displaying data; using queries; generating forms, reports and labels. A 3 1/2-inch High Density diskette required at first class meeting. **Prerequisite:** BUSW 114 or equivalent. May be taken twice for a maximum of 6 units. (CSU)

**EVENING AND SATURDAY CLASSES**

35099 BUSW 464 JA Th 7:00 9:50 14-221 Kistler, T. 3.0
By Arr 2.0 Hrs/Wk 14-221
36655 BUSW 464 SA S 1:00 4:05 14-121 Weiner, G. 3.0
By Arr 2.0 Hrs/Wk 14-121

**BUSW 530 INTRODUCTION TO THE INTERNET**

Exploration of Internet features (BBBs, E-mail, File Transfer Protocol, and World Wide Web); Internet tools (web browser interfaces, search engines, IRC, Chat, and HTML); and Internet activities (telecommuting, marketing, product updating, web publishing, and general support). A 3 1/2-inch High Density diskette required at first class meeting. **Prerequisite:** BUSW 530 or equivalent. May be taken twice for a maximum of 3 units. (CSU)

35800 BUSW 530 B2 MW 12:10 1:25 14-119 McGlasson, P. 1.5
By Arr 2.0 Hrs/Wk 14-119
Start and end dates for section 35800: 3/17 5/14

**EVENING CLASSES**

35092 BUSW 530 J2 W 6:30 9:20 14-119 Brown, S. 1.5
By Arr 2.0 Hrs/Wk 14-119
Start and end dates for section 35092: 3/19 5/21

**BUSW 534 HTML I (HYPERTEXT MARKUP LANGUAGE)**

HyperText Markup Language. Explores creating and maintaining Web pages for Internet and Intranet; using HTML source code; creating filestructures; using FTP to upload files. Examines page features such as design, use of tables, color codes, applets, fonts, extensions, hyperlinks, image maps, and graphics. A 3 1/2-inch High Density diskette required at first class meeting. **Prerequisite:** BUSW 530 or equivalent. May be taken twice for a maximum of 3 units. (CSU)

**EVENING CLASSES**

36401 BUSW 534 J1 M 7:00 10:05 14-221 Kistler, T. 1.5
By Arr 2.0 Hrs/Wk 14-221
36655 BUSW 534 J2 W 6:30 9:20 14-221 Brown, S. 1.5
By Arr 2.0 Hrs/Wk 14-221
Start and end dates for section 36401: 1/13 3/17

**ONLINE CLASSES**

36477 BUSW 534 W1 See pages 96-97

**BUSW 535 HTML II (ADVANCED HYPERTEXT MARKUP LANGUAGE)**

Examines forms, JAVA script, JAVA script objects and events, multimedia Web pages, JAVA applets, cascading style sheets, and database use. A 3 1/2-inch High Density diskette required at first class meeting. **Prerequisite:** BUSW 534 or equivalent. May be taken twice for a maximum of 3 units. (CSU)
BUSW 541 WEB DEVELOPMENT TOOLS

Comprehensive introduction to the use of Web publishing software to create professional internet and intranet pages and administer a Web site. Includes interactivity, special effects, tables, frames, and graphics. Uses Microsoft FrontPage. A 3 1/2-inch High Density diskette required at first class meeting. **Prerequisite:** BUSW 530 or equivalent. **Recommended Preparation:** BUSW 534 or equivalent. May be taken twice for a maximum of 6 units. (CSU)

### EVENING CLASSES

<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Building/ Room</th>
<th>Instructor</th>
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<td>Online-CRS</td>
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### BUSW 541 INTEGRATED SOFTWARE SUITES

Introduction to the concepts and uses of integrated MS Office suites. Covers software for information creation and management. MS Office suites include Word, Excel, PowerPoint, personal information manager (document transfer/calendaring/scheduling) and email. A 3-1/2-inch DS/HD diskette is required at the first meeting. **Prerequisite:** BUSW 105 or equivalent and BUSW 114 or equivalent. To increase competency, may be taken twice for a maximum of 3 units. (CSU)

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<thead>
<tr>
<th>Course Ref. No.</th>
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### BUSW 681 E-COMMERCE: INTRODUCTION

Explores e-commerce and doing business on the Internet, including setting up a commerce site on the World Wide Web. Emphasizes the history and purpose of e-commerce, market models, statistics and demographics; legal issues and how business is conducted in a networked, paperless world using electronic data transactions. Special emphasis on the infrastructure needs, the role of networks and telecommunications, commerce software and hardware systems, security, payments, hosting, and marketing logistics of developing and deploying an Internet business. Students create and implement a business plan for designing, building, launching and marketing a web site, searchable inventory, order processing, and payment acceptance. **Prerequisite:** BUSW 530 or equivalent. **Recommended Preparation:** BUSW 534 or equivalent. May be taken twice for a maximum of 6 units. (CSU)

### ONLINE CLASSES

<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
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<td>See pages 96-97</td>
<td>Online-CRS</td>
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### BUSW 683 E-COMMERCE: WEB STRATEGY AND MARKETING

Introduction to developing a Web strategy and creating marketing and advertising plans for doing business on the Internet. Emphasis will be on formulating realistic goals and objectives: planning, budgeting and conducting marketing and advertising campaigns. Special emphasis will be on the cost, effectiveness, and return on investment for direct email, Web banner, radio, television, print, signage and the logistics of managing a Web advertising campaign. **Prerequisite:** BUSW 681 (E-Commerce: Introduction) or equivalent. **Recommended Preparation:** familiarity with HTML and/or Web page design. (CSU)

### BUSW 684 WINDOWS UTILITIES

Introduction to Windows Utilities including contact management, e-mail, calendar use and scheduling on a network. Additional utilities include use of Palm Operating System, File Transfer Program, WinZip and Acrobat Writer to create PDF files. A 3-1/2-inch DS/HD diskette is required at the first class meeting. **Prerequisite:** BUSW 114 or equivalent. May be taken twice for a maximum of 3 units. (CSU)

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<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
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</table>

### BUSW 880 MOS CERTIFICATION TEST PREPARATION

This self-paced course measures and evaluates student skill levels in the MS Office applications of Word, Excel, PowerPoint and Access to prepare them for the Microsoft User Specialist certification test. The measurement and evaluation indicates whether they are prepared for the test or need additional study. Credit/No Credit grading. Open entry/open exit. May be repeated for each application.

<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
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<td>1/13 5/16</td>
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</table>

### CAREER AND LIFE PLANNING

CRER 112 CAREER ADVANTAGE

**TELECLASS:** For those who are undecided about career goals or are changing their career direction. Stresses the significance of clearly defined values and the development of strategies and goals for life work. Credit/No Credit grading. (Open entry/open exit). May be taken up to four times for a maximum of 2 units.) (CSU)

<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
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<tr>
<td>32022 CRER 112 TV</td>
<td>See pages 98-102</td>
<td>TV-CRS Staff</td>
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</table>

CRER 120 COLLEGE AND CAREER SUCCESS

A comprehensive approach to life and career planning. Emphasizes self-assessment, decision-making, educational planning, college success strategies and techniques for addressing changes associated with college and career. Explores college life, responsibilities, and career options. Plus one hour by arrangement per week. Credit/No Credit or letter grade option. (CSU)

<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Building/ Room</th>
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<td>37176 CRER 120 AA</td>
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<td>38812 CRER 120 AB</td>
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<td>16-273</td>
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CRER 121 PLANNING FOR STUDENT SUCCESS

Provides students with the tools necessary to maximize their academic success by enhancing their familiarity with college expectations, resources, facilities, and requirements. A preliminary educational plan is researched and developed. Plus one hour by arrangement per week. Credit/No Credit or letter grade option. (CSU)

<table>
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<tr>
<th>Course Ref. No.</th>
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<th>Days</th>
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<th>Building/ Room</th>
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<tr>
<td>Career and Life Planning courses continued on next page</td>
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</table>
CRER 121 PLANNING FOR STUDENT SUCCESS
Provides students with the tools necessary to maximize their academic success by enhancing their familiarity with college expectations, resources, facilities, and requirements. A preliminary educational plan is researched and developed. Plus one hour by arrangement per week. Emphasis on educational planning and academic survival skills for students of limited English backgrounds. Offered primarily for EOPS students. Credit/No Credit or letter grade option. (CSU)

Start and end dates for section 37190: 1/28 3/27

CRER 121 PLANNING FOR STUDENT SUCCESS
Provides students with the tools necessary to maximize their academic success by enhancing their familiarity with college expectations, resources, facilities, and requirements. A preliminary educational plan is researched and developed. Plus one hour by arrangement per week. Emphasis on educational planning and academic survival skills for students of limited English backgrounds. Offered primarily for EOPS students. Credit/No Credit or letter grade option. (CSU)

Start and end dates for section 37190: 1/28 3/27

CRER 122 STRATEGIES FOR EDUCATIONAL SUCCESS
Provides students with an introduction to a variety of techniques to increase confidence and develop strategies for success. Students will assess their learning styles, develop effective study habits, reduce test-taking anxiety, and create a study system. Plus one hour by arrangement per week. Credit/No Credit or letter grade option. (CSU)

Start and end dates for section 37187: 2/17 3/31

CRER 123 CAREER EXPLORATIO N FOR SUCCESS
Assists students in understanding their personality, values, interests, and abilities. Students explore career and work options in relation to college majors and integrate their personal preferences in career and college major decision-making. Plus one hour by arrangement per week. Credit/No Credit or letter grade option. (CSU)

Start and end dates for section 37193: 5/10 6/20

CRER 133 CAREER CHOICES
A career exploration course covering the process of career assessment and job search preparation. Emphasis is on collecting career and labor market information to assist in making career decisions. Includes seminars, research on careers and tests to appraise aptitudes, interests, and values. Plus three to six total lab hours by arrangement. Credit/No Credit grading. Open entry/open exit. Variable units. May be taken up to four times for a maximum of 2 units.

(Recommended that students report to the Career Services Center, Bldg. 5, Room 128, during the first week of classes to select class dates and times.)
<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
<td>CHEM 410</td>
<td>HEALTH SCIENCE CHEMISTRY I</td>
<td>31952</td>
<td>CHEM 210 AX</td>
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<td>11-030</td>
<td>Rezaie, N.</td>
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<td>33112</td>
<td>CHEM 210 BX</td>
<td>MWF</td>
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<td>Clay, M.</td>
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<td>CHEM 220</td>
<td>GENERAL CHEMISTRY II</td>
<td>33113</td>
<td>CHEM 220 BX</td>
<td>MWF</td>
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<td>11-032</td>
<td>Deline, C.</td>
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<td>31953</td>
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<td>CHEM 231</td>
<td>ORGANIC CHEMISTRY II</td>
<td>33540</td>
<td>CHEM 232 BX</td>
<td>MWF</td>
<td>11:10-12:00</td>
<td>11-033</td>
<td>Lawrence, Y.</td>
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### CHEMISTRY

####CHEM 210 GENERAL CHEMISTRY I
College chemistry: structure, bonding, reactions, gases, solutions, organic chemistry, thermodynamics, and periodic table with related calculations. Plus one hour by arrangement per week. Extra supplies may be required. A $4.00 materials fee is payable upon registration. **Prerequisite:** CHEM 192 or high school chemistry with lab with a grade of C or higher. **Recommended Preparation:** high school physics and eligibility for ENGL 800 or 836. **Corequisite:** CHEM 210 or 220 = CHEM SEQ A.

####CHEM 220 GENERAL CHEMISTRY II
College chemistry: equilibrium, chemical spontaneity, kinetics, acid-base, redox, complex ions, nuclear chemistry, with related calculations. Plus one hour by arrangement per week. Extra supplies may be required. A $4.00 materials fee is payable upon registration. **Prerequisite:** CHEM 210 or 224 with a grade of C or higher. **Corequisite:** CHEM 220 = CAN CHEM SEQ A.

####CHEM 410 SPECIAL PROJECTS
Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 11, Room 136. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

### CHINESE

####CHIN 111 ELEMENTARY CHINESE I
A beginning course in Mandarin Chinese with instruction and practice in understanding, speaking, reading, and writing. Plus one lab hour by arrangement per week. **Prerequisite:** CHEM 111 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC)

####CHIN 112 ELEMENTARY CHINESE II
Continuation of CHIN 111 with further development of the skills of understanding, speaking, reading, and writing. Plus one lab hour by arrangement per week. **Prerequisite:** CHIN 111 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC)

####CHIN 121 ADVANCED ELEMENTARY CHINESE I
The third course in elementary Mandarin, with increased emphasis on grammar and the spoken language. Plus one lab hour by arrangement per week. **Prerequisite:** CHIN 112 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC)

####CHIN 122 ADVANCED ELEMENTARY CHINESE II
Continuation of CHIN 121 with further training in spoken and written Mandarin. Plus one lab hour by arrangement per week. **Prerequisite:** CHIN 121 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC)

####CHN 131 INTERMEDIATE CHINESE I
Covers approximately the first half of the semester’s work in intermediate Mandarin Chinese as taught at four-year institutions. Plus one lab hour by arrangement per week. **Prerequisite:** CHIN 122 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC)

####CHIN 201 CHINESE CHARACTER WRITING FOR BEGINNERS
Introductory course that focuses on recognizing, reading, and writing Chinese characters. Emphasizes the evolution of characters and their writing regulations; analyzing their structures and stroke orders; and recognizing their use in context. Includes some Chinese calligraphy forms and offers hands-on experience in calligraphy pen writing. Plus one hour by arrangement per week for eight weeks. **Corequisite:** CHIN 111 or 112. Credit/No Credit grading. (CSU)
**EVENING CLASSES**

<table>
<thead>
<tr>
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<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<tr>
<td>38573 CHIN 201 JA</td>
<td>1</td>
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<td>16-172</td>
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Start and end dates for section 38573: 1/15 - 3/05

**CHIN 211 COLLOQUIAL MANDARIN CHINESE I, ELEMENTARY**

A beginning conversational Mandarin Chinese course. Extensive oral training in Mandarin. Emphasizes practical vocabulary, pronunciation, and idiomatic usage, with sufficient grammar to give flexibility to the spoken language. The phonetic system Pinyin is used to represent sounds in Mandarin and substitute for characters as a written form. Designed for students who wish to acquire basic skills of spoken Mandarin Chinese. Plus one lab hour by arrangement per week. Credit/No Credit or letter grade option. (CSU)

**EVENING CLASSES**

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<th>Course Ref. No.</th>
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<th>Days</th>
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**ONLINE CLASSES**

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**CIS 115/116 INTRODUCTION TO PROGRAM DESIGN**

Introduction to computer programming for non-CIS majors and CIS majors with no previous programming experience. Includes computer hardware and operating systems concepts necessary for program coding, compilation, and execution; problem-solving techniques using object-oriented methods and programming in Visual Basic; program testing; documentation issues and techniques. A $4.00 materials fee is payable upon registration. Plus one hour by arrangement per week. **Prerequisite:** MATH 110 or equivalent with a grade of C or higher. Corequisite: CIS 116. **Recommended Preparation:** eligibility for ENGL 800 or 836. Enroll in CIS 115/116 sections as paired. **CIS 115:** Credit/No Credit or letter grade option. **CIS 116:** Credit/No Credit grading. (CSU/UC)

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**CIS 118/119 INTRODUCTION TO OBJECT-ORIENTED PROGRAM DESIGN**

Introduction to object-oriented computer programming for computer science majors. Covers computer hardware and operating systems concepts necessary for program coding, compilation and execution; problem-solving techniques; object-oriented program design; program coding, testing, and implementation; and documentation issues and techniques. Students use the Java programming language to explore algorithm development, data types, flow of control, classes, objects, methods, vectors, and event-driven programming. A $4.00 materials fee is payable upon registration. Plus one hour by arrangement per week. **Prerequisite:** MATH 110 or equivalent coursework with a grade of C or higher. Corequisite: CIS 119. **Recommended Preparation:** eligibility for ENGL 800 or 836. Enroll in CIS 118/119 sections as paired. **CIS 118:** Credit/No Credit or letter grade option. **CIS 119:** Credit/No Credit grading. May be taken twice for a maximum of 8 units. (CSU)

<table>
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An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).

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**CHIN 212 COLLOQUIAL MANDARIN CHINESE II, ADVANCED ELEMENTARY**

A continuation of CHIN 211. Extensive oral training in Mandarin. Emphasizes further development of practical vocabulary, pronunciation, and idiomatic usage, with sufficient grammar to give flexibility to the spoken language. The phonetic system Pinyin is used to represent sounds in Mandarin and substitute for characters as a written form. Course designed for students who wish to extend their basic skills of spoken Mandarin Chinese. Plus one lab hour by arrangement per week. **Prerequisite:** CHIN 211 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU)

**EVENING CLASSES**

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**CHIN 683 COLLOQUIAL MANDARIN FOR SPEAKERS OF OTHER CHINESE DIALECTS I**

A beginning conversation course in Mandarin Chinese. Designed for students who speak another Chinese dialect and wish to acquire basic skills in spoken Mandarin. Emphasis on practical vocabulary, pronunciation, and idiomatic usage. The phonetic system Pinyin is used to represent the sounds in Mandarin and substitute the characters as a written form. Plus one lab hour by arrangement per week. Credit/No Credit or letter grade option. (CSU)

**EVENING CLASSES**

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<tr>
<th>Course Ref. No.</th>
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**COMPUTER AND INFORMATION SCIENCE**

Also see Business Applications, Graphics, and Multimedia

Many CIS courses are web-assisted, allowing flexibility for busy schedules. Interested students should contact the instructor for details.

**CIS 110 INTRODUCTION TO COMPUTER AND INFORMATION SCIENCE**

Introduction to computers and information systems. Includes computer terminology; common operating systems and applications; computer hardware components and their functions; data communications and Internet access issues and options; systems development process; and beginning programming in Visual Basic or HTML. A $4.00 materials fee is payable upon registration for those sections meeting on campus. Plus one lab hour by arrangement per week. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

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<th>Course Ref. No.</th>
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Courses open for audit.

@ COURSES OPEN FOR AUDIT.
EVENING CLASSES
37965 CIS 118 JA  MWF 5:30 6:45 18-096 Grant, G. 3.0
37966 CIS 119 JA  MWF 4:00 5:15 18-096 Grant, G. 3.0
37963 CIS 118 JB  TTh 7:00 8:15 18-096 Rashid, O. 3.0
37964 CIS 119 JB  TTh 8:30 9:45 18-096 Rashid, O. 3.0

CIS 150 NETWORKS AND DATA COMMUNICATIONS
Introduction to networking and data communications. Covers Internet and intranets, LANs, WANs, common protocols, networking hardware and topologies, and trends in data communications. Plus one hour by arrangement per week. **Prerequisite:** CIS 110 or 115/116 or 118/119 or equivalent with a grade of C or higher. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU)

EVENING CLASSES
31975 CIS 150 JA  T 7:00 9:50 18-170 Collado, G. 3.0
34422 CIS 150 JB  W 7:00 9:50 16-170 Collado, G. 3.0

ONLINE CLASSES
36050 CIS 150 WW  See pages 96-97  Online-CrsKennedy, C. 3.0

CIS 152 PRINCIPLES OF NETWORK DESIGN AND MANAGEMENT
Basic concepts of local and wide area network architecture, design, implementation, security, and management. Covers connectivity standards and protocols, bridging, switching, routing, micro-to-mainframe links, and network administration responsibilities. Case studies of TCP/IP and Novell Netware, Microsoft, and UNIX networks. Prepares interested students for Novell, Net+, and Microsoft certification exams. Plus one hour by arrangement per week. **Prerequisite:** CIS 150 or equivalent with a grade of C or higher. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU)

EVENING CLASSES
31976 CIS 152 JA  W 7:00 9:50 18-096 Grant, G. 3.0
34423 CIS 152 WW  See pages 96-97  Online-CrsGrant, G. 3.0

CIS 153 MICROSOFT WINDOWS NETWORK INFRASTRUCTURE ADMINISTRATION
Study of TCP/IP (Transmission Control Protocol/Internet Protocol) and common applications including Telnet and FTP (File Transfer Protocol). Diagnosing and troubleshooting TCP/IP environments. Addressing, routing and tunneling in the IP internetwork. Includes SNMP (Simple Network Management Protocol), NFS (Network File System) configuration, DHCP (Dynamic Host Configuration Protocol), and DNS (Domain Name Service). Plus one lab hour by arrangement per week. Prepares students for Novell and Microsoft certification exams. **Prerequisite:** CIS 152 or equivalent with a grade of C or higher. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option.

EVENING CLASSES
35206 CIS 153 JA  W 7:00 9:50 29-100 Brown, R. 3.0

CIS 250/251 PROGRAMMING METHODS I: C++
An introduction to computer science and software engineering using the C++ programming language for CIS majors and computer professionals. Includes language basics, object behavior, input/output, conditionals, iteration, files, arrays, strings, and computer ethics. This course conforms to the ACM CS1 standards. A $4.00 materials fee is payable upon registration. Plus one hour by arrangement per week. **Prerequisite:** MATH 120 or equivalent; CIS 118/119 or equivalent, all with a grade of C or higher. **Recommended Preparation:** eligibility for ENGL 800 or 836. Enroll in CIS 250/251 sections as paired. **CSU:** (CIS 250 and CIS 251 = CAN CSCI 22)

250: Credit/No Credit option. Credit/No Credit or letter grade option. 352: Credit/No Credit grading. (CSU/UC) (CIS 250 and CIS 251 = CAN CSCI 22)

31985 CIS 250 AA  MWF 1:10 2:25 18-088 Tilmann, M. 3.0
31986 CIS 251 AA  MWF 2:35 3:50 18-088 Tilmann, M. 3.0

CIS 252/253 PROGRAMMING METHODS II: C++
Continuation of Programming Methods I for CIS majors or computer professionals. Includes advanced classes (inheritance and polymorphism), data abstraction, container classes, pointers and dynamic memory allocation (linked lists, stacks, queues, and trees), recursive thinking, graphs, and advanced sorting/searching algorithms. This course conforms to the ACM CS2 standards. A $4.00 materials fee is payable upon registration. Plus one hour by arrangement per week. **Prerequisite:** CIS 250/251 or equivalent with a grade of C or higher or one full year of C language professional programming experience. **Corequisite:** CIS 253. **Recommended Preparation:** eligibility for ENGL 800 or 836. Enroll in CIS 252/253 sections as paired. CIS 252: Credit/No Credit or letter grade option. CIS 253: Credit/No Credit grading. (CSU/UC) (CIS 252 and CIS 253 = CAN CSCI 24)

31987 CIS 252 AA  MWF 9:10 10:25 18-291 Demsetz, L. 3.0
31988 CIS 252 AB  TTh 12:35 1:50 18-096 Green, M. 1.0

ONLINE/EVENING CLASSES
34863 CIS 252 WW  See pages 96-97  Online-CrsTilmann, M. 3.0
34864 CIS 253 JA  W 6:00 8:50 18-076 Tilmann, M. 1.0

CIS 284/285 PROGRAMMING METHODS I: JAVA
Introduction to computer science and software engineering for computer science majors and computer professionals. A systematic approach to the design, construction, and management of computer programs, emphasizing object-oriented design and programming documentation, testing and debugging techniques. Focuses on designing and implementing robust, well-styled and maintainable computer programs. Also includes introduction to basic data structures and computer ethics. This course conforms to the ACM CS1 standards. A $4.00 materials fee is payable upon registration. Plus one hour by arrangement per week. **Prerequisite:** MATH 120 or equivalent; CIS 118/119 or equivalent, all with a grade of C or higher. **Corequisite:** CIS 285. **Recommended Preparation:** eligibility for ENGL 800 or 836. Enroll in CIS 284/285 sections as paired. CIS 284: Credit/No Credit or letter grade option. CIS 285: Credit/No Credit grading. (CSU/UC)

38642 CIS 284 AB  TTh 11:10 12:25 18-096 Green, M. 3.0
37970 CIS 285 AB  TTh 12:35 1:50 18-096 Green, M. 1.0

ONLINE/AFTERNOON CLASSES
37969 CIS 284 WW  See pages 96-97  Online-CrsGreen, M. 3.0
38643 CIS 285 AC  TTh 3:00 4:15 18-095 Green, M. 1.0

CIS 286/287 PROGRAMMING METHODS II: JAVA
Data structures and programming techniques for computer science majors and computer professionals. Object-oriented approach to a variety of data structures including: vectors, stacks, queues, linked lists, trees, dictionaries, maps, sets and graphs. Includes sorting and searching topics, such as Big O notation and hash tables. This course conforms to the ACM CS2 standards. A $4.00 materials fee is payable upon registration. Plus one hour by arrangement per week. **Prerequisite:** CIS 284/285 or equivalent with a grade of C or higher. **Corequisite:** CIS 287. **Recommended Preparation:** eligibility for ENGL 800 or 836. Enroll in CIS 286/287 sections as paired. CIS 286: Credit/No Credit or letter grade option. CIS 287: Credit/No Credit grading. (CSU/UC)

37971 CIS 286 AA  MWF 10:10 11:00 18-096 Grasso, S. 3.0
37972 CIS 287 AA  MWF 9:10 10:00 18-095 Grasso, S. 3.0

ONLINE/EVENING CLASSES
37978 CIS 286 WW  See pages 96-97  Online-CrsGrasso, S. 3.0
37979 CIS 287 JA  MWF 5:00 6:15 18-095 Grasso, S. 1.0

(CSU) Transferable to California State Universities
(UC) Transferable to University of California, (*) With limitations
### CIS 290/291 COMPUTER ARCHITECTURE
Examines computer architecture, design, and organization. Includes number systems, data representation, input/output, interrupts and exception handling, paging, memory management, performance, and other relevant issues. Lab assignments and exercises are completed in Assembly language. A $4.00 materials fee is payable upon registration. Plus one hour by arrangement per week. **Prerequisite:** knowledge of a programming language. **Corequisite:** CIS 291. **Recommended Preparation:** eligibility for ENGL 800 or 836. Enroll in CIS 290/291 sections as paired. CIS 290: Credit/No Credit or letter grade option, CIS 291: Credit/No Credit grading, (CSU/UC) (Completion of CIS 290 and 291=CAN CSCI C310)

### EVENING CLASSES
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### CIS 308/309 VISUAL BASIC PROGRAMMING
Intermediate course in Visual Basic. Includes review of VB fundamentals, working with multiple forms, database objects and SQL, custom controls, classes, linking with other programs from VB, and other relevant topics. A $4.00 materials fee is payable upon registration. Plus one hour by arrangement per week. **Prerequisite:** CIS 115/116 or equivalent with a grade of C or higher. **Corequisite:** CIS 309. **Recommended Preparation:** eligibility for ENGL 800 or 836. Enroll in CIS 308/309 sections as paired. CIS 308: Credit/No Credit or letter grade option. CIS 309: Credit/No Credit grading, (CSU/UC)

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<td>18-088</td>
<td>Loomis, J.</td>
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### CIS 312 UNIX OPERATING SYSTEMS I
Introduction to the UNIX operating system. Familiarizes students with the UNIX kernel, basic shell scripts, use of elementary commands, and common utilities. Includes an overview of operating systems and their relationship to hardware and software, file management techniques, editing and printing and I/O controls. A $2.00 materials fee is payable upon registration. **Prerequisite:** prior experience using computers. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU)

### EVENING AND SATURDAY CLASSES
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<th>Course Id</th>
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### CIS 313 UNIX OPERATING SYSTEMS II
Continuation of CIS 312. Course introduces more advanced features and utilities of UNIX, advanced script programming, configuration of the kernel, and extensive coverage of system administration tasks from installation and set-up through daily system maintenance. A $2.00 materials fee is payable upon registration. **Prerequisite:** CIS 312 with a grade of C or higher or hands-on familiarity with the content of that course. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU)

### EVENING AND SATURDAY CLASSES
<table>
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<tr>
<th>Course Id</th>
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### CIS 372/373 OBJECT-ORIENTED SOFTWARE DEVELOPMENT: ADVANCED TO PICS
Introduction to high level object-oriented software development for computer science majors and computer professionals using the Unified Modeling Language (UML). Includes conceptualization, analysis, design, implementation, testing and maintenance of software. Students use the above tools to build a project involving the development of a software application in competing groups. A $4.00 materials fee is payable upon registration. Plus one hour by arrangement per week. **Prerequisite:** CIS 252/253 or 286/287 or equivalent with a grade of C or higher. **Corequisite:** CIS 373. **Recommended Preparation:** eligibility for ENGL 800 or 836. Enroll in CIS 372/373 sections as paired. CIS 372: Credit/No Credit or letter grade option. CIS 373: Credit/No Credit grading. (CSU)

### EVENING CLASSES
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</table>

### CIS 374/375 JAVA PROGRAMMING LANGUAGE
Coverage of the Java programming language for programmers. Includes learning the Java environment, using and creating Java applets, and writing stand-alone applications. Covers the Java environment, object-oriented programming, language basics, classes, interfaces, packages, threads, exceptions, Java and HotJava Class Libraries, and utility class libraries. A $4.00 materials fee is payable upon registration. Plus one hour by arrangement per week. **Prerequisite:** CIS 250/251 or equivalent "C" coursework with a grade of C or higher. **Corequisite:** CIS 375. **Recommended Preparation:** eligibility for ENGL 800 or 836. Enroll in CIS 374/375 sections as paired. CIS 374: Credit/No Credit or letter grade option. CIS 375: Credit/No Credit grading. (CSU/UC)

### EVENING CLASSES
<table>
<thead>
<tr>
<th>Course Id</th>
<th>Days</th>
<th>Hours</th>
<th>Room</th>
<th>Instructor</th>
<th>Units</th>
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<tr>
<td>35227</td>
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<td>Chintalapudi, R.</td>
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<tr>
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<td>Chintalapudi, R.</td>
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</table>

### CIS 378 INTERNET PROGRAMMING: PERL
Study of the Perl programming language. Covers the basic components of the language, packages, modules, object classes, standard Perl library, and other supporting topics such as installation and debugging. **Recommended Preparation:** eligibility for ENGL 800 or 836 and familiarity with the Internet. Access to a computer with Internet capability is strongly recommended. Credit/No Credit or letter grade option. (CSU)

### EVENING CLASSES
<table>
<thead>
<tr>
<th>Course Id</th>
<th>Days</th>
<th>Hours</th>
<th>Room</th>
<th>Instructor</th>
<th>Units</th>
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<tr>
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<tr>
<td>38645</td>
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<td>Isaacs, S.</td>
<td>3.0</td>
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</tbody>
</table>

### CIS 409 CISCO ROUTER CONFIGURATION FUNDAMENTALS
Comprehensive course in Cisco router configuration basics. Includes router and access server configuration and maintenance techniques; hands-on implementation and task instruction; presentations of syntax for router commands and interface management; systems management, file loading and autoinstall set-up functions. Plus one lab hour by arrangement per week. **Prerequisite:** CIS 153 or equivalent with a grade of C or higher. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option.

### EVENING CLASSES
<table>
<thead>
<tr>
<th>Course Id</th>
<th>Days</th>
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</table>

### CIS 410 CISCO ADVANCED NETWORK CONFIGURATION
Advanced course in Cisco network configuration. Includes advanced design topics and access control: configuring TCP/IP, IPX, AppleTalk and OS/2 (Open Shortest Path First) routing, BGP (Border Gateway Protocol) and OSPF (Open Shortest Path First) routing, BGP (Border Gateway Protocol) and OSPF (Open Shortest Path First) routing.
<table>
<thead>
<tr>
<th>Course</th>
<th>Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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</table>

**EVENING CLASSES**

**CIS 474 ADVANCED NETWORK MANAGEMENT WITH MICROSOFT WINDOWS**

Covers administration of Microsoft Windows for Advanced Network Management, including installation, management of accounts, disk resources, printers, servers, and backups. This course is the foundation for supporting Microsoft Windows-based networks. Prepares students for Microsoft MCSE certification exams. Plus one lab hour by arrangement per week. **Prerequisite:** CIS 150 and BUSW 114 or equivalent coursework with a grade of C or higher. **Recommended Preparation:** CIS 152 and eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units.

**EVENING CLASSES**

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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</table>

**CIS 477 MICROSOFT WINDOWS DIRECTORY SERVICES DESIGN**

Covers design of Microsoft Windows-based networking using Microsoft Windows Directory Services, including evaluation of client’s existing and planned technology and analysis of management requirements. Includes design of network structures, modification policies, implementation plans, and configuration and maintenance of operations masters, global catalog servers, domain controllers, and DNS servers. Prepares students for Microsoft MCSE certification exams. Plus one lab hour by arrangement per week. **Prerequisite:** CIS 474 or equivalent with a grade of C or higher. **Recommended Preparation:** CIS 152 and eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units.

**EVENING CLASSES**

<table>
<thead>
<tr>
<th>Ref. No.</th>
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**CIS 479 WINDOWS NETWORK SECURITY DESIGN**

Analysis, risk assessment and strategy for designing network security for the Windows network environment. Includes analysis of company and management models; enterprise risk assessment; evaluation and design of security solutions; authentication strategies; DNS/SNMP, remote services, and communication channel security. Prepares students for Microsoft MCSE certification exam. Plus one lab hour by arrangement per week. **Prerequisite:** CIS 153 with a grade of C or higher. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units.

**EVENING CLASSES**

<table>
<thead>
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<th>Ref. No.</th>
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<th>Days</th>
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**CIS 680 INTERNET PROGRAMMING: XML**

Comprehensive course in XML (eXtensible Markup Language). Includes writing well-formed and valid XML, the use ofDTDs (Document Type Definitions), XML schema, CSS (Cascading Style Sheets) and XSLT (eXtensible Style Sheet Language Transformation) for formatting; and advanced topics such as XPath, XLink and XPointer. Plus one hour by arrangement per week. **Prerequisite:** CIS 115/116 or 118/119 or equivalent with a grade of C or higher. **Recommended Preparation:** BUSW 534 or equivalent; eligibility for ENGL 800 or 836. Access to a computer with Internet capability is strongly recommended. Credit/No Credit or letter grade option. (CSU)

**EVENING CLASSES**

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<thead>
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<th>Class ID</th>
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<th>Hours</th>
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<th>Instructor</th>
<th>Units</th>
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<td>38647 CIS 680 JA MW</td>
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<td>18-088</td>
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</table>

**CIS 690 SPECIAL PROJECTS**

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 11, Room 136. Register after first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<td>Kowalski, R.</td>
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</table>

**COOPERATIVE EDUCATION**

**COOP 640 COOPERATIVE EDUCATION/GENERAL WORK EXPERIENCE**

Students earn up to three units of credit for work experience in any field. The job does not need to be related to the student’s major or career goal. Work may be paid or volunteer. No class to attend. Meetings by arrangement. Students must report to the Cooperative Education Office in the Career Services Center (Bldg. 5, Room 128) to complete enrollment. Students must be enrolled in a total of seven units (three of which may be Cooperative Education). Both day and evening students may register in these sections. Credit/No Credit or letter grade option. May be taken for a maximum of 6 units. (CSU)

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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</table>

**COOP 641 COOPERATIVE EDUCATION**

Students earn up to 4 units of credit for work experience in a field related to a career goal or major. Work may be paid or volunteer. No class to attend. Meetings by arrangement. Students must report to the Cooperative Education Office in the Career Services Center (Bldg. 5, Room 128) to complete enrollment. Students must be enrolled in at least two college-level courses in subject field. (CSU)

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<td>5-128</td>
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</table>

COOP Education courses continued on next page
leat one other class. Both day and evening students may register in
these sections. Credit/No Credit or letter grade option. May be taken for a maximum of 16 units. (CSU)

<table>
<thead>
<tr>
<th>Course</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<tbody>
<tr>
<td>COOP 645 COOPERATIVE EDUCATION/ALTERNATE SEMESTER</td>
<td>32004</td>
<td>CO</td>
<td>5.0-20.0 Hrs/Wk</td>
<td>5-128</td>
<td>Burns, E.</td>
<td>.5-4.0</td>
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</tbody>
</table>

Credit for employment in a structured alternate semester program. This course is open to both career-related and general work experience students. No class to attend. Meetings by arrangement. While enrolled in this course, students are required to work full- or part-time and may take only one other class. Students must report to the Cooperative Education Office in the Career Services Center (Bldg. 5, Room 128) during the first week of classes to complete enrollment. Credit/No Credit or letter grade option. (CSU)

Students whose work is in a field beneficial to their goal or related to their major should enroll in the following section:

<table>
<thead>
<tr>
<th>Course</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
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<tr>
<td>COOP 645 AF</td>
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<td>CO</td>
<td>5.0-40.0 Hrs/Wk</td>
<td>5-128</td>
<td>Burns, E.</td>
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</tbody>
</table>

Students whose work is in a general field, not specifically related to their career goal or major, should enroll in the following section:

<table>
<thead>
<tr>
<th>Course</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
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<tr>
<td>COOP 645 BF</td>
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COOP 647 COOPERATIVE EDUCATION/DENTAL ASSISTING
Earn 4.0 units of credit for dental assisting work experience. Work is voluntary. Students must contact the Dental Assisting Coordinator at 574-6211 to complete enrollment. For Dental Assisting students only. Credit/No Credit or letter grade option. (CSU)

<table>
<thead>
<tr>
<th>Course</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
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<th>Instructor</th>
<th>Units</th>
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<td>COOP 647 AA</td>
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<td>5-128</td>
<td>Behrens, A.</td>
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COOP 650 COMMUNITY INVOLVEMENT PROGRAM
A self-directed course that enables students to serve their community, pursue educational experience beyond the campus, and become involved in various volunteer community activities for college credit (.5 unit for each 24 hours of service). No class to attend. Meetings by arrangement. Credit/No Credit or letter grade option. Open entry/open exit. Variable units. May be taken for a maximum of 6 units. (CSU)

<table>
<thead>
<tr>
<th>Course</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
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CO SM E T O M O G Y

For COSM AX and JA sections, a $25.00 materials fee is payable upon registration.

For COSM A1 and A2 sections, a $12.50 materials fee is payable upon registration.

CO SM 712 FUNDAMENTALS OF COSMETOLOGY I
Beginning cosmetology in preparation for licensure by California State Board of Cosmetology. Prerequisite: admission to and registration in the CSM cosmetology program. See CSM Catalog for details. Extra supplies required. May be taken for a maximum of 18 units.

<table>
<thead>
<tr>
<th>Course</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
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<td>32008</td>
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Start and end dates for section 36206: 1/13 3/14

Start and end dates for section 35454: 3/17 5/16

CO SM 722 FUNDAMENTALS OF COSMETOLOGY II
Beginning cosmetology in preparation for licensure by California Bureau of Barbering and Cosmetology. Prerequisite: admission to and registration in the CSM cosmetology program. See CSM Catalog for details. Extra supplies required. May be taken for a total of 18 units.

<table>
<thead>
<tr>
<th>Course</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
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<tr>
<td>COSM 722 AX Daily</td>
<td>32009</td>
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<td>5-127</td>
<td>Russell, S.</td>
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Start and end dates for section 36207: 1/13 3/14

Start and end dates for section 32927: 3/10 5/05

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
### DANCE

**See Physical Education: Dance**

### DENTAL ASSISTING

#### DENT 722 DENTAL MATERIALS II

Study of impression materials, dental casting, alloys, removable prosthodontics, dental assisting and registered dental assisting duties pertaining to dental materials. Extra supplies required.

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Course Code</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
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<td>22-144</td>
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### DENTAL SCIENCE II

Hard and soft tissues of the oral cavity, anatomy of head and neck. Introduction to body systems, blood supply of head and neck.

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Course Code</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<td>22-140</td>
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<td>3.0</td>
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#### DENT 742 CHAIRSIDE ASSISTING II

Further study in chairside procedures. Dental specialties and intra-oral functions. DA/RDA levels. Plus twelve hours coronal polishing by arrangement.

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Course Code</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
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<td>9:00</td>
<td>Kirby, C.</td>
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</table>

#### DENT 743 CORONAL POLISH

Designed to meet the standards established by the Board of Dental Examiners for the removal of stains and the soft deposits from the coronal surfaces of the teeth. Prerequisites: concurrent enrollment in DENT 716, 721, 722, 731, 732, 735, 740, 742, 749, 751, 763; ENGL 830; SPCH 850; Coop 647. Credit/No Credit grading. Extra supplies required.

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Course Code</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
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### DEVELOPMENTAL SKILLS

#### DSkl 811 SPECIFIC LEARNING SKILLS ASSESSMENT

Use of an assessment battery to determine specific learning capacity as well as academic skill levels in reading, spelling, and mathematics. Following assessment, the student will, with the assistance of instructors, design and implement an individual learning program. Credit/No Credit grading. Open entry/open exit. (Units do not apply toward AA/AS degree.)

<table>
<thead>
<tr>
<th>Ref. No.</th>
<th>Course Code</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>32066</td>
<td>DSkl 811 A1</td>
<td>By Arr.</td>
<td>8.0 Hrs</td>
<td>16-150</td>
<td>Paparelli, M.</td>
<td>.5</td>
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</tbody>
</table>

#### DSkl 817 ASSISTIVE COMPUTER ACCESS

Designed primarily for students with disabilities. Assistive computer access and instruction. Individualized education plan. Recommended Preparation: touch typing familiarity with the keyboard. Credit/No Credit grading. Open entry/open exit. Variable units. (Units do not apply toward AA/AS degree.)

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<tr>
<th>Ref. No.</th>
<th>Course Code</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
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<td>32067</td>
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<td>By Arr.</td>
<td>1.5-9.0 Hrs/Wk</td>
<td>16-151</td>
<td>Fiori, C.</td>
<td>.5-3.0</td>
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</tbody>
</table>

### DIGITAL VIDEO

**See Multimedia**

### DRAFTING TECHNOLOGY

#### DRAF 120 PRINCIPLES OF TECHNICAL DRAWING

Basic mechanical drawing: descriptive geometry, orthographic projections pictorials, sections, auxiliary views, etc. Student must provide drafting tools and extra supplies. Plus one lab hour by arrangement per week. Recommended Preparation: BUSW 105 or 114; eligibility for ENGL 800 or 836. (CSU)

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<tr>
<th>Ref. No.</th>
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<td>32056</td>
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<td>MW</td>
<td>6:00</td>
<td>8:50</td>
<td>Yabu, J.</td>
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</table>

#### DRAF 121 COMPUTER-AIDED DRAFTING I

A beginning AutoCAD course for students who have completed one semester of college drafting. Covers basis entities, edit commands, display controls, layering, text, dimensioning and isometric drawing. Plus one lab hour by arrangement per week. Prerequisite: one semester of college drafting or equivalent. Recommended Preparation: BUSW 105 or 114. (CSU/UC)

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<th>Ref. No.</th>
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<tbody>
<tr>
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<td>DRAF 120 JA</td>
<td>MW</td>
<td>6:00</td>
<td>8:50</td>
<td>Yabu, J.</td>
<td>3.0</td>
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</table>
### DRAF 690 SPECIAL PROJECTS

**EVENING CLASSES**

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<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<td>By Arr 2.0 Hrs/Wk</td>
<td>19-113</td>
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<td>DRAF 690 BB</td>
<td>By Arr 1.0 Hrs/Wk</td>
<td>19-113</td>
<td>McGinnis, T.</td>
<td>1.0</td>
<td></td>
<td></td>
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</table>

**Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

### ECON 100 PRINCIPLES OF MACRO ECONOMICS

The American economy; price system, fiscal policy, money and banking system, trends of national income, and stabilization policies. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN ECON 2)

### ECON 102 PRINCIPLES OF MICRO ECONOMICS

Supply, demand and price determination in a market economy; cost and revenue; oligopoly, monopoly and competition; international trade. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN ECON 4)

### ECON 103 BUSINESS-ECONOMIC STATISTICS

Descriptive and inductive statistics: graphs, measures of central tendency, index numbers, hypotheses tests, alpha-beta error, Chi square, and probability. **Prerequisite:** MATH 120 or equivalent with a grade of C or higher, or high school preparation including two years of algebra and probability. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC*)

### ECON 104 BUSINESS-ECONOMIC STATISTICS

The American economy: price system, fiscal policy, money and banking system, trends of national income, and stabilization policies. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN ECON 2)

### EDUC 101 FIELD EXPERIENCE IN EDUCATION

Directed field experience in education for high school, secondary school, and elementary school teaching. Provides forty-eight hours of observation (participation in guided field experience for students interested in a career in teaching). (CSU)

### Additional Information

- **DRAF 122 COMPUTER-AIDED DRAFTING II**
  - Intermediate computer-aided drafting for students who have completed a basic course in AutoCAD. Includes plotting, wireframe modeling, AutoCAD 3D modeling, render, slide shows, blocks and attributes. Plus one lab hour by arrangement per week. **Prerequisite:** DRAF 100 or 121 or equivalent with a grade of C or higher. (CSU)

- **DRAF 124 COMPUTER-AIDED DRAFTING IV**
  - Advanced CAD course covering links between AutoCAD data and third-party software applications such as Microsoft's Word, Excel, and Access. Also includes Introduction to Mechanical Desktop, Architectural and Rendering Programs. Plus one lab hour by arrangement per week. **Prerequisite:** DRAF 122 or equivalent with a grade of C or higher. (CSU)

- **EDUC 101 FIELD EXPERIENCE IN EDUCATION**
  - An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
ELECTRONICS TECHNOLOGY

ELEC 110 INTRODUCTION TO FUNDAMENTALS OF ELECTRONICS
Basic electronic components and circuits (basic applied mathematical approach). Lab experience provided. Students must provide personal tools and extra supplies. Plus one lab hour by arrangement per week. For non-electronics technology majors. (CSU)

Prerequisite: BUSW 114 or concurrent enrollment in BUSW 114; CIS 110; ELEC 110 or their equivalent, both with a grade of C or higher. (CSU)

Recommended Preparation: completion of or concurrent enrollment in CIS 110 and ELEC 110 or equivalent (CSU)

Corequisite: concurrent enrollment in CIS 110 and ELEC 110 or equivalent. (CSU)

EVENING CLASSES
Start and end dates for section 32091: 1/13 3/14
Start and end dates for section 32091: 1/13 3/14

ELEC 201 D.C. ELECTRONICS
Study of direct current and its effects on resistors, inductors, and capacitors. The nature of electricity, resistance, basic circuit laws, Ohm’s Law, magnetism, inductance, capacitance, and the use of power supplies, multimeters, and oscilloscopes. Plus one lab hour by arrangement per week. Prerequisite: concurrent enrollment in or completion of ELEC 231 with a grade of C or higher. (CSU)

EVENING CLASSES
Start and end dates for section 38540: 3/17 5/16

ELEC 202 A.C. ELECTRONICS
A study of alternating current and its effect on resistors, inductors, and capacitors. Includes practical application of concepts studied and competencies in the operation of applicable test equipment. Plus one lab hour by arrangement per week. Prerequisite: ELEC 201 or equivalent with a grade of C or higher. (CSU)

EVENING CLASSES

ELEC 215 INTRODUCTION TO PC HARDWARE
Installation and configuration of the board-level electronic systems that make up an IBM compatible personal computer. Includes motherboard architecture, processors, memory systems, BIOS, bus architectures, system resources, floppy and hard disk systems, keyboard and mouse, video systems, I/O ports, and power supplies. Plus one lab hour by arrangement per week. Prerequisite: BUSW 114 or concurrent enrollment in BUSW 114 or equivalent. (CSU)

Corequisite: completion of or concurrent enrollment in BUSW 114 or equivalent (CSU)

ELEC 216 PC TROUBLESHOOTING AND SYSTEM MAINTENANCE
Troubleshooting and maintenance of PC hardware including motherboard, memory, video display systems, mass storage, keyboards, and pointing devices. Emphasizes use of high and low level diagnostic software and configuration software. Plus one lab hour by arrangement per week. Prerequisite: BUSW 114; ELEC 215 or their equivalent, both with a grade of C or higher. (CSU)

EVENING CLASSES

ELEC 231 BASIC APPLIED ELECTRONIC MATHEMATICS
Basic principles: algebra, trigonometry, logarithms, graphing, and scientific calculator use as applied to DC/AC circuits. This course will transfer to CSU upon successful completion of ELEC 232. Prerequisite: one year of high school mathematics within the past three years with a grade of C or higher. (CSU)

EVENING CLASSES

ELEC 232 ADVANCED ELECTRONICS MATHEMATICS
In-depth applications of algebra, trigonometry, logarithms, graphing, as applied to amplifier, oscillator, and microwave circuits. Prerequisite: ELEC 231 with a grade of C or higher. Corequisite: ELEC 302. (CSU)

EVENING CLASSES

ELEC 282 INTRODUCTION TO SOLDERING AND REWORK
Introduces high reliability soldering and rework techniques including point-to-point, through-hole, and surface mount technologies. Stresses (CSU) Transferable to California State Universities
(UC) Transferable to University of California, (*) With limitations

Electronics Technology courses continued on next page
Courses open for audit.

EVENING CLASSES

ELEC 690 SPECIAL PROJECTS

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identification of workmanship standards and self-or peer evaluation against said standards. Includes preparation and care of soldering equipment. Plus one hour by arrangement per week. Recommended Preparation: ELEC 110 or 220 or their equivalent with a grade of C or higher. (CSU)

EVENING CLASSES

33895 ELEC 690 AA  By Arr  2.0 Hrs/Wk 19-113 McGinnis, T. 2.0

33895 ELEC 690 BB  By Arr  1.0 Hrs/Wk 19-113 McGinnis, T. 1.0

EMERGENCY MEDICAL TECHNICIAN

See Fire Technology

ENG IN EERING

ENGR 260 CIRCUITS AND DEVICES

Introduction to circuits, natural and forced response, network theorems; characteristics of electronic devices and solid state devices. Laboratory assignments include both standard bench techniques and computer-aided analysis. Prerequisite: PHYS 260; MATH 253, each with a grade of C or higher. Concurrent enrollment in MATH 275 is recommended. (CSU/UC*) (CAN ENGR 6)

32264 ENGR 260 AA  TTh  8:30 10:00 11-032 Thalper, B. 4.0

32264 ENGR 260 T  2:10 5:00 19-036 MacDonald, L.

ENGR 270 MATERIALS SCIENCE

Structure and properties of solids-metals, alloys, semiconductors, aggregate materials and polymers. Plus one hour by arrangement per week. Prerequisites: MATH 241 or 251; CHEM 210 or 224, each with a grade of C or higher. Recommended Preparation: PHYS 250. (CSU/UC*) (CAN ENGR 4)

32265 ENGR 270 AX  Th  2:10 4:00 16-169 Westmore, T. 3.0

32265 ENGR 270 Th  4:10 7:00 19-040

SPECIAL PROJECTS

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 11, Room 136, Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and completion of at least two college-level courses in subject field. (CSU)

33121 ENGR 690 AA By Arr  2.0 Hrs/Wk 11-136 Kowerski, R. 2.0

33121 ENGR 690 BB By Arr  1.0 Hrs/Wk 11-136 Kowerski, R. 1.0

ENGLISH AND LITERATURE

NOTE FOR ALL ENGLISH 100 SECTIONS

The San Mateo County Community College District has established a computerized prerequisite checking system for enforcing the prerequisites for English 100, Composition and Reading. If you have not met the prerequisites for English 100, you will be blocked from enrolling in this course. If you believe you have met the prerequisites or wish to challenge the course prerequisites, please review the information on the college web site (http://gocsm.net) and click on the link “Prerequisite Information.” You may also contact the College of San Mateo Counseling Department, Admissions and Records Office, or the Language Arts Division Office for information.

ENGL 100 COMPOSITION AND READING

Intensive reading and writing based on the study of primarily nonfiction materials. Students write a minimum of 8,000 words; writing emphasizes expository forms. Plus one hour by arrangement per week. Prerequisite: ENGL 800 or 836 with a grade of C or higher (or appropriate skill level indicated by the English placement test and other measures); and READ 802 or 836 with Credit or a grade of C or higher or eligibility for 400-level Reading courses (indicated by the Reading placement tests and other measures). Recommended Preparation: Reading courses at the 400 level are designed for students enrolled in ENGL 100 or higher level courses. (CSU/UC) (CAN ENGL 2) (ENGL 100 and ENGL 110 or ENGL 100 and ENGL 165 = CAN ENGL SEQ A)

32125 ENGL 100 AA MWF  8:10 9:00 16-251 Quinlan, R. 3.0

32127 ENGL 100 AC MWF  8:10 9:00 16-253 Mach, J. 3.0

32128 ENGL 100 AG TTh  8:10 9:25 18-286 Murphy, M. 3.0

32130 ENGL 100 AJ TTh  8:10 9:25 16-272 Kimball, M. 3.0

33819 ENGL 100 AL MWF  9:10 10:00 16-268 Keller, D. 3.0

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
ENGLISH 100/101 COMPOSITION AND READING
ENGLISH PRACTICUM

Intensive reading and writing based on the study of primarily nonfiction materials. Students write a minimum of 8,000 words; writing emphasizes expository forms. No more than one hour by arrangement per week. **Prerequisite:** ENGL 800 or 836 or 400 with a grade of C or higher (or appropriate skill level indicated by the English placement tests and other measures); and Reading 802 or 836 with Credit or a grade of C or higher or eligibility for 400-level Reading courses (indicated by the Reading placement tests and other measures). **Recommended Preparation:** Reading courses at the 400 level are designed for students enrolled in ENGL 100 or higher level courses. The following English 100 courses are paired with their corequisite English 101 sections that provide extended practice in sentence structure and grammar as well as a review of paragraph organization and development. Students who successfully complete the course will receive three units of credit for English 100 (letter grade) and one unit for English 101, English Practicum (Credit/No Credit grading). Students must enroll in both ENGL 100 and ENGL 101 sections as paired. **Prerequisite:** ENGL 100 with a grade of C or higher. (CSU/UC) (CAN ENGL 2) (ENGL 100 and ENGL 110 or ENGL 100 and ENGL 165 = CAN ENGL SEQ A)

ENGLISH 110 COMPOSITION, LITERATURE, AND CRITICAL THINKING

Introduction to the major imaginative genres of poetry, drama, and fiction. Students will write eight to ten thousand words in expository essays and other kinds of assignments employing methods of literary analysis and demonstrating skill in critical thinking. Plus one hour by arrangement per week. **Prerequisite:** ENGL 100 with a grade of C or higher. (CSU/UC) (CAN ENGL 4) (ENGL 100 and ENGL 110 or ENGL 100 and ENGL 165 = CAN ENGL SEQ A)

ENGLISH 120 COMPOSITION AND FICTION

Intensive reading and writing based on the study of primarily nonfiction materials. Students write a minimum of 8,000 words; writing emphasizes expository forms. No more than one hour by arrangement per week. **Prerequisite:** ENGL 800 or 836 or 400 with a grade of C or higher (or appropriate skill level indicated by the English placement tests and other measures); and Reading 802 or 836 with Credit or a grade of C or higher or eligibility for 400-level Reading courses (indicated by the Reading placement tests and other measures). **Recommended Preparation:** Reading courses at the 400 level are designed for students enrolled in ENGL 100 or higher level courses. The following English 100 courses are paired with their corequisite English 101 sections that provide extended practice in sentence structure and grammar as well as a review of paragraph organization and development. Students who successfully complete the course will receive three units of credit for English 100 (letter grade) and one unit for English 101, English Practicum (Credit/No Credit grading). Students must enroll in both ENGL 100 and ENGL 101 sections as paired. **Prerequisite:** ENGL 100 with a grade of C or higher. (CSU/UC) (CAN ENGL 2) (ENGL 100 and ENGL 110 or ENGL 100 and ENGL 165 = CAN ENGL SEQ A)

ENGLISH 130 COMPOSITION AND FICTION

Study of the short story and novel with extensive critical writing (a minimum of 8,000 words). Plus one hour by arrangement per week. **Prerequisite:** ENGL 100 with a grade of C or higher. (CSU/UC) (CAN ENGL 4) (ENGL 100 and ENGL 110 or ENGL 100 and ENGL 165 = CAN ENGL SEQ A)

ENGLISH 161 CREATIVE WRITING

Craft of writing short fiction and poetry. Students write a minimum of two short stories and complete a poetry project. **Prerequisite:** ENGL 100 with a grade of C or higher. (CSU/UC) (CAN ENGL 6)

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(CSU) Transferable to California State Universities

(UC) Transferable to University of California, (*) With limitations
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Class ID</th>
<th>Section</th>
<th>Type</th>
<th>Title</th>
<th>Instructor</th>
<th>Hours</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>ENGL 162 CORE WRITING II</td>
<td>33614</td>
<td>ENGL 162 AX</td>
<td></td>
<td>Further instruction in the craft of writing fiction. Writing and critiquing of student work. <strong>Prerequisite:</strong> ENGL 161 with a grade of C or higher. (CSU/UC)</td>
<td>Gershenson, B.</td>
<td>11:10</td>
<td>15-251</td>
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**ENGLISH CLASSES**

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<th>Type</th>
<th>Title</th>
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<th>Hours</th>
<th>Units</th>
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<tbody>
<tr>
<td>ENGL 163 CREATIVE WRITING III</td>
<td>33627</td>
<td>ENGL 163 AX</td>
<td>TTh</td>
<td>Instruction in the writing of fiction for advanced students, with movement toward longer works. Critiquing of student writing in class workshops. <strong>Prerequisite:</strong> ENGL 162 with a grade of C or higher. May be taken twice for a maximum of 6 units. (CSU/UC)</td>
<td>Gershenson, B.</td>
<td>11:10</td>
<td>15-251</td>
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<th>Hours</th>
<th>Units</th>
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<tbody>
<tr>
<td>ENGL 165 ADVANCED COMPOSITION</td>
<td>33638</td>
<td>ENGL 165 AX</td>
<td></td>
<td>Advanced techniques of essay and report writing, with particular emphasis on critical thinking, persuasive and other rhetorical strategies, and research methods. Includes formal instruction in principles of logical thinking, including inductive and deductive reasoning, logical fallacies, and methods of analysis and evaluation. Plus one hour by arrangement per week. <strong>Prerequisite:</strong> ENGL 100 with a grade of C or higher. (CSU/UC) (CAN ENGL 4) (ENGL 100 and 165 = CAN ENGL SEQ A)</td>
<td>Gershenson, B.</td>
<td>9:10</td>
<td>16-153</td>
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**ENGLISH CLASSES**

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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ENGL 826 BASIC COMPOSITION</td>
<td>33649</td>
<td>ENGL 826 AX</td>
<td>T</td>
<td>Practice in writing brief essays, developed paragraphs, and clear sentences. <strong>Recommended Preparation:</strong> appropriate skill level indicated by the English placement tests and other measures; and READ 800 or 816 with a grade of C or higher and concurrent enrollment in READ 826 or higher. (Units do not apply toward AA/AS degree.)</td>
<td>Garmhausen, J.</td>
<td>9:10</td>
<td>16-251</td>
</tr>
</tbody>
</table>

**NOTE FOR ALL ENGLISH 836 SECTIONS**

The San Mateo Community College District has established a computerized prerequisite checking system for enforcing prerequisites for English 836, Introduction to College Composition. If you have not met the prerequisites for English 836, you will be blocked from enrolling in this course. If you believe you have met the prerequisites or wish to challenge the course prerequisites, please review the information on the college web site (http://gocsm.net) and click on the link “Prerequisite Information.” You may also contact the College of San Mateo Counseling Department, Admissions and Records Office, or the Language Arts Division for information.

**ENGLISH 836 INTRODUCTION TO COLLEGE COMPOSITION**

Practice in writing to develop and refine specific composition skills. English 836 is necessary preparation for entrance into English 100. Plus one lab hour by arrangement per week. **Prerequisite:** ENGL 801 or 826 or ENGL 400 with a grade of C or higher (or appropriate skill level indicated by the English placement tests or other measures); and READ 801 or 826 with Credit or a grade of C or higher, or eligibility for READ 802 or 836 or 400-level Reading courses (indicated by the Reading placement test or other measures). (All ENGL 836 students who received a grade of C in ENGL 801 or 826 or ENGL 400 are strongly advised to enroll concurrently in English 850.)

**ENGLISH 836 INTRODUCTION TO COLLEGE COMPOSITION**

Practice in writing to develop and refine specific composition skills. English 836 is necessary preparation for entrance into English 100. Plus one lab hour by arrangement per week. **Prerequisite:** ENGL 801 or 826 or ENGL 400 with a grade of C or higher (or appropriate skill level indicated by the English placement tests or other measures); and READ 801 or 826 with Credit or a grade of C or higher, or eligibility for READ 802 or 836 or 400-level Reading courses (indicated by the Reading placement test or other measures). (All ENGL 836 students who received a grade of C in ENGL 801 or 826 or ENGL 400 are strongly advised to enroll concurrently in English 850.)
or 400 are strongly advised to enroll concurrently in ENGL 850.

Special Note: English 836 AS must be taken as part of the African-American Student Recruitment and Retention Program. See page 24.

ENGL 836 AS MWF 11:10 12:00 18-288 Jones, F. 3.0

ENGL 836/837 INTRODUCTION TO COLLEGE COMPOSITION + PRACTICUM
Practice in writing to develop and refine specific composition skills. English 836 is necessary preparation for entrance into English 100. Plus one lab hour by arrangement per week. Prerequisite: ENGL 801 or 826 or ENGL 400 with a grade of C or higher (or appropriate skill level indicated by the English placement tests or other measures); and READ 801 or 826 with Credit or a grade of C or higher, or eligibility for READ 802 or 836 or 400-level Reading courses (indicated by the Reading placement test or other measures). All ENGL 836 students who received a grade of C in ENGL 801 or 826 or ENGL 400 are strongly advised to enroll concurrently in ENGL 850. The following English 836 sections are paired with their corequisite English 837 sections that provide intensive practice in generative sentence writing strategies and paragraph development and organization. Students who successfully complete the course will receive three units of credit for English 836 (letter grade) and one unit of credit for English 837 (Credit/No Credit grading). Students who test into English 800+810 or English 836 + 837 must enroll in both English 836 and English 837 sections as paired.

ENGL 850 WRITING WORKSHOP
Assistance in writing projects is given to students with work in progress. Individual appointments with faculty. Credit/No Credit grading. Open entry/open exit. Variable units. May be taken four times for a maximum of 12 units. (Units do not apply toward AA/AS degree.)

ENGL 850 A8 By Arr 1.5-9.0 Hrs/Wk 18-189 Sobel, A. 5.0

ENGL 850 J8 By Arr 1.5-9.0 Hrs/Wk 18-189 Alunan, J. 5.0

ENGLISH & LITERATURE

ENGL 882 COMPOSITION FOR WORKPLACE WRITERS
Training of students in the basic principles of writing with a focus on business writing; review of sentence structure, punctuation, paragraph development, composition skills, vocabulary, and job-related terminology. Lecture, discussion, reading, writing. Credit/No Credit grading. (Units do not apply toward AA/AS degree.)

ENGL 882 A1 T 1:10 4:15 16-256 Staff 1.0

ENGL 882 B1 MWF 9:10 10:35 16-251 Caranza, J. 5.0

ENGL 882 C1 MWF 11:10 12:35 16-250 Barroca, L. 5.0

ENGL 882 D1 MWF 9:10 10:35 16-251 Carranza, J. 5.0

ENGL 882 E1 MWF 11:10 12:35 16-250 Barroca, L. 5.0

ENGL 887 WRITTEN COMMUNICATION
Practice in reading and writing to develop and refine written communication proficiency. English 887 may be used to fulfill the prerequisite for entrance into English 100. Plus one hour by arrangement per week. Prerequisite: ENGL 801 or 826 or 400 with a grade of C or higher (or appropriate skill level indicated by the English placement tests and other measures). Students who complete the course with a grade of C or higher will be eligible for enrollment in English 100.

ENGL 887 A1 MWF 9:10 10:35 16-251 Barroca, L. 5.0

ENGL 887 B1 MWF 9:10 10:35 16-251 Barroca, L. 5.0

ENGL 887 C1 MWF 9:10 10:35 16-251 Caranza, J. 5.0

ENGL 887 D1 MWF 9:10 10:35 16-251 Caranza, J. 5.0

ENGL 887 E1 MWF 9:10 10:35 16-251 Caranza, J. 5.0

ENGL 887 F1 MWF 9:10 10:35 16-251 Barroca, L. 5.0

LIT. 105 THE BIBLE AS LITERATURE
Study of the significant writings of the Old and New Testaments and of the Apocrypha. Lectures, discussions, related reading, and writing of critical papers. Prerequisite: ENGL 100 or equivalent with a grade of C or higher. (CSU/UC)

LIT. 105 AX TTh 11:10 12:25 16-288 Reynolds, R. 3.0

LIT. 113 THE NOVEL
Study of the novels of the late 19th and 20th Centuries and related literary criticism; includes reading, discussion, and the writing of critical papers. Prerequisite: ENGL 100 or equivalent with a grade of C or higher. (CSU/UC)

LIT. 113 JX MWF 11:10 12:25 16-288 Cutler, M. 3.0

LIT. 202 AMERICAN LITERATURE II
Study of American literature since Mark Twain. Lectures, reading, analysis and discussion of selected works, and writing of critical papers. (Recommended for English majors.) Prerequisite: ENGL 100 or equivalent. (CSU/UC) (CAN ENGL 16) (LIT. 201 and 202 = CAN ENGL SEQ C)

LIT. 202 AX TTh 11:10 12:25 16-288 James, K. 3.0

LIT. 232 SURVEY OF ENGLISH LITERATURE II
Study of the typical works of major English writers of the 19th and 20th Centuries. Lectures, discussions, recorded readings, and writing of critical papers. (Recommended for English majors.) Prerequisite: ENGL 100 with a grade of C or higher or equivalent. (CSU/UC) (CAN ENGL 10) (LIT. 231 and 232 = CAN ENGL SEQ B)

LIT. 232 AX TTh 11:10 12:25 16-288 Murphy/Freeman 3.0

LIT. 265 ASIAN-AMERICAN LITERATURE
Selected fiction, drama, and poetry by Asian-American authors. Readings, discussions, analysis, and writing of critical papers. Prerequisite: ENGL 100 with a grade of C or higher or equivalent. (CSU/UC)

LIT. 265 AX MWF 12:10 1:00 18-288 Alunan, J. 3.0

English and Literature courses continued on next page
<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
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<td>LIT. 273 IRISH LITERATURE: RESISTANCE LITERATURE</td>
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<tr>
<td>Study of selected texts relating to Ireland’s continued struggle for national independence from medieval times through the present. Lectures, discussion, readings, and writing projects. <strong>Prerequisite:</strong> ENGL 100 with a grade of C or higher or equivalent. (CSU)</td>
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<td>EVENING CLASSES</td>
<td>38569 LIT. 273 JX</td>
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<td>7:00</td>
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<td>14-102</td>
<td>Brennan, M.</td>
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<td>Start and end dates for section 38569: 1/14 3/11</td>
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<tr>
<td>LIT. 275 EARLY BRITISH AND AMERICAN WOMEN WRITERS</td>
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<tr>
<td>Study of selected works by early women writers from 1600 to 1900, examining their views and influence on subsequent ideas and writers. Lectures, discussion, readings, and writing projects. <strong>Prerequisite:</strong> ENGL 100 with a grade of C or higher or equivalent. (CSU)</td>
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<td>LIT. 276 IRISH AUTHORS: SEAMUS HEANEY</td>
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<tr>
<td>Seamus Heaney, Irish poet, winner of the 1995 Nobel Prize in Literature. We will examine his transgressions and re-creations of epic poetry (Beowulf, Sweeney Astray, Cure at Troy) as well as some of his original poetry and prose. <strong>Prerequisite:</strong> ENGL 100 with a grade of C or higher or equivalent. (CSU)</td>
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<tr>
<td>LIT. 277 SHAKESPEARE ON FILM</td>
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<tr>
<td>If “the play’s the thing,” as Hamlet says, then today we can add, “the film of the play’s the thing.” Historically filmmakers have always been drawn to the Bard’s masterpieces, but today Shakespeare films are hotter than ever, inspiring some of the most exciting and innovative film adaptations. In this course we will read selected plays, and compare diverse, sometimes controversial film versions of each. Special focus on how Shakespeare’s original words become reinvented visually to express various cultural issues. Traditional and modernized film approaches: American, British and other foreign film adaptations. <strong>Prerequisite:</strong> English 100, 110, 120, 130 or 140 with a grade of C or higher or equivalent. (CSU/UC)</td>
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<tr>
<td>Survey of major deities and heroes, recurring mythological themes, and relationships between people and deities, primarily in Greek and Roman cultures. <strong>Prerequisite:</strong> ENGL 100 with a grade of C or higher or equivalent. (CSU/UC)</td>
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<td>Study of selected fiction, poetry, drama, and essays by significant African-American authors. Reading, discussion, analysis, and writing of critical papers. <strong>Prerequisite:</strong> ENGL 100 with a grade of C or higher or equivalent.</td>
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<td>Independent study in a specific field or topic. Requires approval of Division Dean, Bldg. 17, Room 169. Register after the first week of classes. <strong>Prerequisite:</strong> 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)</td>
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<td>Selected texts from the Old and New Testaments and from the Apocrypha. Readings, discussions, related readings, quizzes, and optional project. No Prerequisite. Credit/No Credit grading. (Not transferable.)</td>
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<tr>
<td>Study of American literature since Mark Twain. Lectures, readings, discussions, and writing of optional critical essays. No Prerequisite. Credit/No Credit grading. (Not transferable.)</td>
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<tr>
<td>Survey of major deities and heroes, recurring mythological themes, and relationships between people and deities, especially in Greek and Roman cultures. Readings, discussions, and writing of optional critical papers. No Prerequisite. Credit/No Credit grading. (Not transferable.)</td>
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<td>Tollefson, P.</td>
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<tr>
<td>Study of the typical works of major English writers of the 19th and 20th Centuries. Lectures, discussions, recorded readings, and optional writing projects. No Prerequisite. Credit/No Credit grading. (Not transferable.)</td>
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<td>Murphy/Freeman</td>
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<tr>
<td>Selected fiction, drama, and poetry by Asian-American authors. Readings, discussions, analysis, and optional writing projects. No Prerequisite. Credit/No Credit grading. (Not transferable.)</td>
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<tr>
<td>Study of selected texts relating to Ireland’s continued struggle for national independence from medieval times through the present. Lectures, discussion, readings, and optional writing projects. No Prerequisite. Credit/No Credit grading. (Not transferable.)</td>
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<td>LIT. 875 EARLY BRITISH AND AMERICAN WOMEN WRITERS</td>
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<tr>
<td>Study of selected works by early women writers from 1600 to 1900, examining their views and influence on subsequent ideas and writers. Lectures, discussion, readings, and writing projects. No Prerequisite. Credit/No Credit grading. (Not transferable.)</td>
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<tr>
<td>Seamus Heaney, Irish poet, winner of the 1995 Nobel Prize in Literature. We will examine his translations and re-creations of epic poetry (Beowulf, Sweeney Astray, Cure at Troy) as well as some of his original poetry and prose. No Prerequisite. Credit/No Credit grading. (Not transferable.)</td>
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</table>
ENGL 843 WRITING FOR NON-NATIVE SPEAKERS III

Continues the study of the structural and rhetorical elements of ENGL 842. **Recommended Preparation:** ENGL 842 with Credit (or appropriate skill level indicated by placement tests and other measures). It is recommended that students enroll concurrently in READ 843, 816, 826, or 836 and SPCH 842 or higher course. Credit/No Credit or letter grade option. (Units do not apply toward AA/AS degree.)

*32238 ENGL 843 AA MWF 8:10 9:35 18-188 Schulze, F. 5.0
*32239 ENGL 843 AB MWF 8:10 9:35 18-188 Schulze, F. 5.0
32240 ENGL 843 AC MWF 9:40 11:05 18-188 Melnick, L. 5.0

EVENING CLASSES

32242 ENGL 843 JA TTh 6:30 8:45 14-104 DeProsse, G. 5.0

*Computer-assisted instruction. (See description below.)*

ENGL 843 WRITING FOR NON-NATIVE SPEAKERS IV (WITH COMPUTER-ASSISTED INSTRUCTION)

Continues the study of the structural and rhetorical elements of ENGL 842. A $4.00 materials fee is payable upon registration. **Recommended Preparation:** ENGL 842 with Credit (or appropriate skill level indicated by placement tests and other measures). It is recommended that students enroll concurrently in READ 842, 826, or 836 and SPCH 842 or higher course. Credit/No Credit or letter grade option. (Units do not apply toward AA/AS degree.)

32243 ENGL 844 AA Daily 8:10 9:00 16-254 Gonzalez, A. 5.0
33876 ENGL 844 AB Daily 10:10 11:00 16-254 Musgrave, D. 5.0
32245 ENGL 844 AC MWF 9:40 11:05 18-188 Schulze, F. 5.0

EVENING CLASSES

34483 ENGL 844 JA MW 6:30 8:45 18-286 O’rie, C. 5.0

READ 807 BASIC PHONIC SKILLS FOR NON-NATIVE SPEAKERS

Study of basic speech sounds and practice in techniques for pronouncing unknown words. Plus one lab hour by arrangement per week. It is recommended that students enroll concurrently in ENGL 841 or higher course, READ 841 or higher course, and SPCH 841 or higher course. Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

32747 READ 807 AX MWF 10:10 11:00 16-168 Wills, C. 3.0

READ 809 SPELLING IMPROVEMENT FOR NON-NATIVE SPEAKERS OF ENGLISH

Improvement of spelling skills for academic, professional, and personal needs. Includes basic and advanced rules of spelling, commonly misspelled words, and individualized spelling word lists. Plus one lab hour by arrangement per week. **Recommended Preparation:** READ 807 or 808 with Credit or a grade of C or higher OR eligibility for READ 843, READ 800 or 816, READ 801 or 826, or higher course (as indicated by the Reading placement tests and other measures). Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

32749 READ 809 AA MWF 11:10 12:00 16-168 Wills, C. 3.0

READ 841 READING FOR NON-NATIVE SPEAKERS I

Designed to build basic vocabulary skills, improve the understanding of written instructions, and introduce main ideas and details. Plus one lab hour by arrangement per week. It is recommended that students enroll concurrently in ENGL 841 or higher course, SPCH 841 or higher course, and READ 816 or higher course. Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

32748 READ 841 AA MWF 8:10 9:35 18-188 Schulze, F. 5.0
32749 READ 841 AB MWF 9:40 11:05 18-188 Schulze, F. 5.0

English and Literature courses continued on next page
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<td>14-104 DeProse, G.</td>
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- 32756: READ 842 AA MWF 8:10 9:00 18-287 Paolini, N. 3.0
- 32757: READ 842 AC MW 11:10 12:25 14-100 Paolini, N. 3.0
- 32835: SPCH 843 AA MWF 11:10 12:00 14-102 Sobel, A. 3.0
- 34566: SPCH 843 AC TTh 12:45 2:00 16-268 Staff 3.0

**Recommended Preparation**
- SPCH 841 with Credit or a grade of C or higher. (Units do not apply toward AA/AS degree.)
- SPCH 843 with Credit or a grade of C or higher. (Units do not apply toward AA/AS degree.)
- SPCH 844 with Credit (or appropriate skill level indicated by placement tests and other measures). (Units do not apply toward AA/AS degree.)
- SPCH 843 with Credit or a grade of C or higher. (Units do not apply toward AA/AS degree.)
- SPCH 844 with Credit (or appropriate skill level indicated by placement tests and other measures). (Units do not apply toward AA/AS degree.)
- SPCH 843 with Credit or a grade of C or higher. (Units do not apply toward AA/AS degree.)
- SPCH 844 with Credit (or appropriate skill level indicated by placement tests and other measures). (Units do not apply toward AA/AS degree.)

**Prerequisite**
- SPCH 841 with Credit (or appropriate skill level as indicated by placement tests and other measures). (Units do not apply toward AA/AS degree.)

**Speech 841 AA** may be taken as part of the learning community: English for Life: Learn It Today - Use It Tomorrow. See page 64.
**ETHN 300 INTRODUCTION TO LA RAZA STUDIES**

Introduction to the philosophy, methodology, and structure of La Raza studies. **Recommended Preparation:** eligibility for ENGL 800 or 836; eligibility for READ 801 or 826. Credit/No Credit or letter grade option. (CSU/UC)  

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(CSU) Transferable to California State Universities  
(UC) Transferable to University of California, (*) With limitations

**ETHN 350 NATIVE AMERICAN WAY OF LIFE**

A study of Native American philosophy, customs and spiritual practices based on the works of Dr. Carlos Castaneda. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)  

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<th>Hours</th>
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<td>32939</td>
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<td>12:45 2:00</td>
<td>18-292</td>
<td>Esteva, W.</td>
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**ETHN 351 THE PRIMAL MIND AND CULTURAL DIVERSITY**

Evolution of the human primal mind. Focuses particularly on comparative development of feelings, thinking, and social interaction; birth of the ego and cultural technological repercussions. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)  

<table>
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<tr>
<th>Course Ref.</th>
<th>Class ID</th>
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<th>Hours</th>
<th>Bldg/Room</th>
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<td>11:10 12:25</td>
<td>18-293</td>
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**ETHN 360 THE PEOPLE AND CULTURES OF POLYNESIA: AN INTRODUCTION**

Overview of history of film by and about Third World peoples. Focuses on the history, geography, social institutions, languages, traditions, and recent issues affecting the people, both on the islands and the United States mainland. Compares and contrasts selected islands of the Pacific. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)  

<table>
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<tr>
<th>Course Ref.</th>
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**ENGLISH FOR NON-NATIVE SPEAKERS**

**FILM 100 INTRODUCTION TO FILM**

Introductory survey of fundamental film techniques and styles of expression. Emphasizes film appreciation, the language of film, and analysis for full film enjoyment. Lectures, screenings, discussions, quizzes, and writing of critical papers. **Recommended Preparation:** ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)  

<table>
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<tr>
<th>Course Ref.</th>
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**FILM 102 FILM STUDIES FOCUS:**

Survey of selected contemporary films from the Middle East, with emphasis on the representation of political struggle; ethnic and gender

Film courses continued on next page
issues specific to the region; religious and cultural identity; and documentary versus narrative film styles. National cinemas covered may include Iran, Egypt, Israel, Turkey and India. Recommended Preparation: ENGL 800. (CSU)

**EVENING CLASSES**
35122 FILM 103 J1 T 6:10 10:00 11-130 Kashani, T. 1.0
Start and end dates for section 35122: 2/04 2/25

**FILM 104 FILM STUDIES FOCUS MIDDLE EASTERN FILM II**
Continuation of Film 103: Middle Eastern Film I. Further exploration of contemporary films from the Middle East. Recommended Preparation: ENGL 800. (CSU)

**EVENING CLASSES**
38104 FILM 104 J2 T 6:10 10:00 11-130 Kashani, T. 1.0
Start and end dates for section 38104: 3/04 3/25

**FILM 105 FILM STUDIES FOCUS FRITZ LANG**
Survey of major works by one of the most important and provocative Hollywood directors. After a brilliant silent film career in Germany, Lang fled the Nazis to flourish in America, specializing in compelling crime films. Recommended Preparation: ENGL 800. (CSU)

**SATURDAY CLASSES**
37272 FILM 105 S2 S 12:10 4:00 11-130 Laderman, D. 1.0
Start and end dates for section 37272: 3/22 4/12

**FILM 110 AMERICAN CINEMA**
TELECO U RSE: “American Cinema” familiarizes students with the history of American cinema, focusing on the studio system, the star system, genres, and directors. Emphasizes film vocabulary and critical viewing. Recommended Preparation: ENGL 800 or 836. (CSU)

**TV CLASSES**
35415 FILM 110 TV See pages 98-102 TV-CRS Kashani, T. 3.0

**FILM 121 HISTORY OF FILM II**
Chronological survey of important American and international films from World War II to the present. Emphasizes the evolution of film as a distinct art form and the intersection of film and society. Lectures, screenings, discussions, quizzes, and writing of critical papers. Recommended Preparation: ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

@ Courses open for audit.

---

**EVENING CLASSES**
35124 FILM 121 JA M 6:10 9:35 11-130 Laderman, D. 3.0

**FILM 200 ADVANCED FILM STUDY SCIENCE FICTION AND HORROR**
Explores the dynamic relationship between two of the most exciting and disturbing American movie genres. Historical appreciation of both science fiction and horror classics, up through the Alien films, Scream, The Crow and The Matrix. Some issues to be addressed include conflicting attitudes toward technology, science versus the unknown, gender and race politics, the significance of special effects, and more. Prerequisite: Film 100, 110, 120 or 121. Recommended Preparation: ENGL 800. (CSU/UC)

35125 FILM 200 AC Th 12:10 3:25 11-130 Scott, M. 3.0

**FILM 277 SHAKESPEARE ON FILM**
If “the play’s the thing,” as Hamlet says, then today we can add, “the film of the play’s the thing.” Historically filmmakers have always been drawn to the Bard’s masterpieces, but today Shakespeare films are hotter than ever, inspiring some of the most exciting and innovative film adaptations. In this course we will read selected plays, and compare diverse, sometimes controversial film versions of each. Special focus on how Shakespeare’s original words become reinvented visually to express various cultural issues. Traditional and modernized film approaches: American, British and other foreign film adaptations. Prerequisite: Film 100, 110, 120, or 121 with a grade of C or higher. (CSU/UC)

**EVENING CLASSES**
37595 FILM 277 JX Th 6:10 9:25 11-130 Laderman, D. 3.0

**FILM 461 FILMMAKING I**
Introduction to film theory, aesthetics, and 8mm production; includes screenplay writing, pre-production, and crew work on super-8mm motion picture productions. (CSU/UC*)

32288 FILM 461 AX TTh 12:10 3:00 18-280 Rosenblatt/Haug 4.0
By Arr 3.0 Hrs/Wk 18-280

**FILM 462 FILMMAKING II**
Advanced theory, aesthetics, critical writing, and 8mm production. Students work on production crew as well as write and produce own motion picture. Prerequisite: FILM 461. May be taken twice for a maximum of 12 units. (CSU/UC*)

32289 FILM 462 AX@ TTh 12:10 3:00 18-287 Haug/Rosenblatt 4.0
By Arr 3.0 Hrs/Wk 18-287

**FILM 464 FILM ADVANCED PRODUCTION**
Introduces principles and techniques of 16mm production, including cinematography, editing, double-system sound, film stocks, and working with labs. Final projects can be 16mm film, Super 8 film, or “found footage.” Plus two lab hours by arrangement per week. Prerequisite: completion of or concurrent enrollment in FILM 462. May be taken twice for a maximum of 2 units. (CSU)  
32291 FILM 464 A1 TTh 9:45 11:00 18-280 Rosenblatt, J. 1.0
Start and end dates for section 32291: 1/14 2/18

**FILM 465 VIDEO EDITING**
Introduction to the principles and techniques of video-editing, with film footage transferred to videotape for editing image and adding sound. Plus two lab hours by arrangement per week. Prerequisite: FILM 464 or equivalent. May be taken twice for a maximum of 2 units. (CSU)

32292 FILM 465 A2 TTh 9:45 11:00 18-280 Rosenblatt, J. 1.0
Start and end dates for section 32292: 2/20 3/27

**FILM 466 SCREENWRITING**
Practice in devising film ideas, developing a film premise, and preparing

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
<table>
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<td>23-160</td>
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<td>32301 FIRE 745 AA</td>
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<td>37097 FIRE 783 JA</td>
<td>MW</td>
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<td>35477 FIRE 800 JA</td>
<td>Th</td>
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(CSU) Transferable to California State Universities
(UC) Transferable to University of California, (*) With limitations

FIRE TECHNOLOGY

Independent study in specific field or topic. Requires approval of Division Dean; Bldg. 17, Room 113. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

FIRE 714 WILDLAND FIRE CONTROL

Focuses on the principles and techniques used to extinguish wildland fires and to prevent and control their occurrence. Includes California’s wildland fire problem, safety, weather effects, wildland fuels, fire behavior, attack methods, urban-interfaces, and investigation. (CSU)

FIRE 725 FIRE APPARATUS AND EQUIPMENT

Operation, care and maintenance, capabilities and proper utilization of fire service apparatus and equipment. (CSU)

FIRE 730 (FT5) FIRE BEHAVIOR AND COMBUSTION

Theory and fundamentals of how fires start, spread, and are controlled; an in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques. (CSU)

FOREIGN LANGUAGES

For information about a Certificate of Completion in a foreign language, see the Catalog or contact the Language Arts Division Office (Bldg. 17, Room 169, 574-6314).

For offerings in specific languages, see the following headings in this schedule: American Sign Language, Arabic, Chinese, French, German, Italian, Japanese, and Spanish.

NOTE: To be transferable to UC, foreign language courses must be taken for letter grade.

NUMBERS AND LEVELS

The beginning courses in the classroom transfer sequences are numbered 110 (often offered also as 111 and 112), 120 (often offered also as 121 and 122), 130 (often offered also as 131 and 132), and 140. Some languages offer higher-level classes with numbers in the 100 and 200 range.

Telecourses are numbered 115, 116, 117, and 118, and correspond generally to 111, 112, 121, and 122 in the classroom sequences, though texts and methodology are different.

If you have completed one semester of a language in high school, consider starting with a 112 or 116 class. If you have completed one year, consider 117, 120, or 121. If you have completed two years, consider 130 or 131.

Non-transfer courses focusing on spoken language are numbered 801, 802, 803, etc. The first class is for those with little or no knowledge of the language. These courses may be taken separately or concurrently with 100-series classes.

At the first class meeting, your instructor can help you decide whether

Foreign Languages courses continued on next page
you have chosen the right level. If you have not, you can transfer to a higher or lower class.

FRENCH

For a general explanation of course numbers and levels, please see FOREIGN LANGUAGES, page 55.

FREN 111 ELEMENTARY FRENCH I

The beginning fundamentals of speaking, listening, reading, and writing French; introduction to Francophone cultures. Study of practical vocabulary, basic sentence structure, and clear pronunciation. Focus on developing proficiency and ease in using spoken and written French. Covers approximately the first half of the semester's work in FREN 110.) Plus one lab hour by arrangement per week. No Prerequisite. Recommended Preparation: eligibility for ENGL 800 or 836 or higher English course. Credit/No Credit or letter grade option. (CSU)

EVENING CLASSES

32339 FREN 111 JA  T  6:30  9:20  16-250 Carter, M.  3.0

FREN 112 ELEMENTARY FRENCH II

A continuation of FREN 111. More study of the fundamentals of speaking, listening, and writing French; more exposure to Francophone cultures. Study of practical vocabulary, basic sentence structure, and clear pronunciation. Focus is on developing proficiency and ease in using spoken and written French. (Covers approximately the second half of the semester’s work in FREN 110.) Plus one lab hour by arrangement per week. Prerequisite: FREN 111 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

EVENING CLASSES

32340 FREN 112 JA  Th  6:30  9:20  16-250 Carter, M.  3.0

FREN 115 BEGINNING FRENCH I

TELECOURSE: Introduces basic French and Francophone cultures, vocabulary, and language structures through a broadcast video program supported by audio cassettes, a textbook, workbook, and other print materials. Equivalent to French 111 but without the speaking component. Credit/No Credit or letter grade option. (CSU)

TV CLASSES

33521 FREN 115 TV  See pages 98-102  TV-CRS Motamedi, I.  3.0

FREN 116 BEGINNING FRENCH II

TELECOURSE: The second semester of an entry-level course that introduces basic French and Francophone cultures, vocabulary, and language structures through a broadcast video program supported by audio cassettes, a textbook, workbook, and other print materials. Equivalent to French 112 but without the speaking component. Prerequisite: FREN 115 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU)

TV CLASSES

32342 FREN 116 TV  See pages 98-102  TV-CRS Motamedi, I.  3.0

FREN 117 ADVANCED BEGINNING FRENCH I

TELECOURSE: Continuation of French 116. Further study of French and Francophone cultures, vocabulary, and language structures through a broadcast video program supported by audio cassettes, a textbook, workbook, and other print materials. Equivalent to French 121 but without the speaking component. Prerequisite: FREN 116 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU)

TV CLASSES

32343 FREN 117 TV  See pages 98-102  TV-CRS Motamedi, I.  3.0

FREN 118 ADVANCED BEGINNING FRENCH II

TELECOURSE: Equivalent to FREN 122 but without the speaking component. French and Francophone cultures, vocabulary, and language structures studied through a broadcast video program supported by audio cassettes, a textbook, workbook, and other print materials. Prerequisite: FREN 117 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU)

TV CLASSES

37747 FREN 118 TV  See pages 98-102  TV-CRS Motamedi, I.  3.0

FREN 120 ADVANCED ELEMENTARY FRENCH

A continuation of FREN 110 or 112. Advanced study of the fundamentals of speaking, listening, reading, and writing French; continued exposure to Francophone cultures. Practice with practical vocabulary, basic sentence structure, and clear pronunciation. Focus is on developing proficiency and ease in using spoken and written French. Plus two lab hours by arrangement per week. Prerequisite: FREN 110 or 112 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

32344 FREN 120 AA  Daily  9:10  10:00  16-252 Pettit, S.  5.0

FREN 121 ADVANCED ELEMENTARY FRENCH I

A continuation of FREN 110 or 112. Beginning advanced study of the fundamentals of speaking, listening, reading, and writing French; continued exposure to Francophone cultures. Practice with practical vocabulary, basic sentence structure, and clear pronunciation. Focus is on developing proficiency and ease in using spoken and written French. (Covers approximately the first half of the semester’s work in French 120.) Plus one lab hour by arrangement per week. Prerequisite: FREN 110 or 112 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

EVENING CLASSES

32345 FREN 121 JX  W  6:30  9:20  18-287 Carter, M.  3.0

FREN 122 ADVANCED ELEMENTARY FRENCH II

A continuation of FRN 121. Additional advanced study of the fundamentals of speaking, listening, reading, and writing French; continued exposure to Francophone cultures. Practice with practical vocabulary, basic sentence structure, and clear pronunciation. Focus is on developing proficiency and ease in using spoken and written French. (Covers approximately the second half of the semester’s work in FREN 120.) Plus one lab hour by arrangement per week. Prerequisite: FREN 121 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

EVENING CLASSES

36459 FREN 122 JX  W  6:30  9:20  18-287 Carter, M.  3.0

FREN 690 SPECIAL PROJECTS

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 17, Room 169. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

33251 FREN 690 AA  By Arr  2.0 Hrs/Wk  17-169 Estes, S.  2.0
33252 FREN 690 BB  By Arr  1.0 Hrs/Wk  17-169 Estes, S.  1.0

FREN 801 CONVERSATIONAL FRENCH I, ELEMENTARY

A practical course in the French language approached by way of conversation. Intensive drill in the patterns and idioms of daily speech, supported by sufficient grammar to give flexibility in the spoken language. Credit/No Credit grading. (This course will not fulfill the language requirement at California State Universities or the University of California.)

EVENING CLASSES

33992 FREN 801 JA  W  7:00  9:50  14-100 Gamache, E.  2.0

FREN 802 CONVERSATIONAL FRENCH II, ADVANCED ELEMENTARY

Further work in conversation following the model of French 801. Prerequisite: FREN 801 or equivalent with Credit. Credit/No Credit grading.

French courses continued on page 57
### GEOGRAPHY

**GEOG 100 PHYSICAL GEOGRAPHY**

Basic characteristics of physical features and their interrelationships; environmental systems and their interactions with man. Plus field trips. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC) (CAN GEOG 4)

<table>
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**GEOG 690 SPECIAL PROJECTS**

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 169. Register after first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

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**GERMAN**

**GERM 111 ELEMENTARY GERMAN I**

Covers approximately the first half of the semester’s work in GERM 110. Basic forms and patterns, vocabulary, pronunciation, simple readings. Plus one lab hour by arrangement per week. Credit/No Credit or letter grade option. (CSU/UC*)

<table>
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**GERM 112 ELEMENTARY GERMAN II**

Covers approximately the second half of the semester’s work in GERM 110. Plus one lab hour by arrangement per week. **Prerequisite:** GERM 111 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

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**GEOLOGY**

**GEO 100 SURVEY OF GEOLOGY**

Earthquakes, volcanoes, faults, man’s hazardous environment, creation of oceans and continents, continental drift, rocks. Two Saturday field trips required. Plus one hour by arrangement per week. Not open to students who have taken or are taking GEO 210. (CSU/UC*)

<table>
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<td>Hand, L.</td>
<td>3.0</td>
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</tbody>
</table>

**GEO 101 GEOLOGY LABORATORY**

Identification of minerals, rocks and fossils; seismographs; geologic interpretation of maps and aerial photographs. One or more field trips may be required. Extra supplies required. Plus one hour by arrangement per week. **Prerequisite:** concurrent enrollment in or completion of GEO 100 with a grade of C or higher. (CSU/UC*)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<tr>
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<td>W</td>
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<td>12-170</td>
<td>Hand, L.</td>
<td>1.0</td>
</tr>
</tbody>
</table>

(CSU) Transferable to California State Universities
(UC) Transferable to University of California, (*) With limitations
idioms; vocabulary. Plus one lab hour by arrangement per week. 

**Prerequisite:** GERM 131 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

### EVENING CLASSES

<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Dass</th>
<th>Hours</th>
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<td>JX</td>
<td>T</td>
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<td>Raney, R.</td>
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</table>

**GERM 140 ADVANCED INTERMEDIATE GERMAN**

Reading and discussion of selections from German literature; further practice in conversation and composition; reviews of principles of grammar. 

**Prerequisite:** GERM 130 or 132 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC)

### EVENING CLASSES

<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Dass</th>
<th>Hours</th>
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<td>7:00-9:50</td>
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<td>Raney, R.</td>
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</table>

**GERM 690 SPECIAL PROJECTS**

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 17, Room 169. Register after the first week of classes. 

**Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. 

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<thead>
<tr>
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<td>17-169</td>
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**GERM 801 CONVERSATIONAL GERMAN I, ELEMENTARY**

A practical course in the German language approached by way of conversation. Intensive drill in the patterns and idioms of daily speech, supported with sufficient grammar to give flexibility in the spoken language. Credit/No Credit grading. (This course will not fulfill the language requirement at California State Universities or the University of California.)

### EVENING CLASSES

<table>
<thead>
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<th>Class ID</th>
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**GERM 802 CONVERSATIONAL GERMAN II, ADVANCED ELEMENTARY**

Further work in conversation following the model of GERM 801. 

**Prerequisite:** GERM 801 or equivalent with Credit. Credit/No Credit grading. (This course will not fulfill the language requirement at California State Universities or the University of California.)

### EVENING CLASSES

<table>
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**GERM 803 CONVERSATIONAL GERMAN III, INTERMEDIATE**

Advanced work in German following the model of German 802. 

**Prerequisite:** GERM 802 or equivalent with Credit. Credit/No Credit grading. (This course will not fulfill the language requirement at California State Universities or the University of California.)

### EVENING CLASSES

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**GERM 804 CONVERSATIONAL GERMAN IV, ADVANCED INTERMEDIATE**

More advanced work in conversation following the model of German 803. 

**Prerequisite:** GERM 803 or equivalent with Credit. Credit/No Credit grading. (This course will not fulfill the language requirement at California State Universities or the University of California.)

### EVENING CLASSES

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**GERM 810 BASIC GERMAN COMMUNICATION**

Introduction to the basics of communicating in German and to the cultural expectations of German speakers in business and tourism relationships. Designed to help those with little or no knowledge of German culture communicate successfully via words and culturally appropriate actions. Credit/No Credit grading.

### SATURDAY CLASSES

<table>
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Start and end dates for section 38109: 3/22 4/12

**GRAPHICS**

Also see Computer and Information Science and Multimdia

**GRA 100 ADOBE ILLUSTRATOR I**

Creating digital illustrations, including preparing graphics for the web, using Adobe Illustrator drawing software. Extra supplies required. A $5.00 materials fee is payable upon registration. 

**Prerequisite:** MULT 100 or equivalent Macintosh and/or Windows operating system experience. Credit/No Credit or letter grade option. (CSU)

### EVENING CLASSES

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Start and end dates for section 38044: 3/17 5/14

**GRA 101 ADOBE ILLUSTRATOR II**

Advanced Illustrator techniques, including blends, gradients, transforming, gradient mesh, brushes, and working from scans. Extra supplies required. A $5.00 materials fee is payable upon registration. 

**Prerequisite:** GRA 100 or TA&G 130 or equivalent experience. Credit/No Credit or letter grade option. (CSU)

### EVENING CLASSES

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Start and end dates for section 38046: 3/15 3/12

**GRA 102 ADOBE ILLUSTRATOR III**

Covers advanced Illustrator techniques, including filters, custom brushes and fills, transparency, color models, trapping and creating separations. Extra supplies required; A $5.00 materials fee is payable upon registration. 

**Prerequisite:** GRA 100 or TA&G 130 or equivalent experience. Credit/No Credit or letter grade option. (CSU)

### EVENING CLASSES

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Start and end dates for section 38047: 3/13 5/21

**GRA 105 QUARKXPRESS I**

Use of QuarkXPress page layout software for design and printing of documents. Extra supplies required. A $5.00 materials fee is payable upon registration. 

**Prerequisite:** MULT 100 or equivalent Macintosh and/or Windows operating system experience. Credit/No Credit or letter grade option. (CSU)

### EVENING CLASSES

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<th>Course Ref. No.</th>
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Start and end dates for section 38109: 3/14 3/11

**GRA 106 QUARKXPRESS II**

Covers working with illustrations and photos, text wraps, paragraph and character level style sheets, master pages in QuarkXPress. Also includes creating and applying color from Pantone and CMYK color models; preparing files for high resolution output and printing. Extra supplies required. A $5.00 materials fee is payable upon registration. 

**Prerequisite:** GRA 105 or TA&G 170 or equivalent experience. Credit/No Credit or letter grade option. (CSU)

### EVENING CLASSES

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Start and end dates for section 38048: 1/14 3/13

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
GRA 110 TYPOGRAPHY I

Introduction to typography with emphasis on designing with display (large) type. Includes type anatomy, nomenclature and measurement, type categories, choosing the correct voice, optical refinements, interpreting message, and developing contrasts. Also covers display type treatments and applying theory to practical typographic problems. Extra supplies required. A $5.00 materials fee is payable upon registration. Prerequisite: GRA 100 or 105; or TA&G 130 or 170; or equivalent. Credit/No Credit or letter grade option. (CSU)

GRA 111 TYPOGRAPHY II

Emphasizes designing with text type. Includes how we read, intelligent choice of typeface, size, tracking, line length, margins, gutters, and leading. Extracting a hierarchy, factors affecting readability, visual punctuation, encouraging readers, selecting and creating grids. Applying theory to practical typographic problems. Extra supplies required. A $5.00 materials fee is payable upon registration. Prerequisite: GRA 110 or TA&G 110 or equivalent. Credit/No Credit or letter grade option. (CSU)

GRA 120 ADOBE PHOTOSHOP FOR GRAPHIC ARTISTS I

Creating digital illustrations and photographs, including preparing graphics for the web, using Adobe Photoshop and scanners. Designed for the graphic arts generalist. Extra supplies required. A $5.00 materials fee is payable upon registration. Prerequisite: MULT 100 or equivalent Macintosh and/or Windows operating system experience. Credit/No Credit or letter grade option. (CSU)

GRA 121 ADOBE PHOTOSHOP FOR GRAPHIC ARTISTS II

Continuation of Adobe Photoshop I with emphasis on more advanced features of the software used in image creation and manipulation, including color correction for print and web. Extra supplies required. A $5.00 materials fee is payable upon registration. Prerequisite: GRA 120 or TA&G 140 or equivalent. Credit/No Credit or letter grade option. (CSU)

GRA 130 GRAPHIC DESIGN FOUNDATIONS I

Covers principles of design, evolution of a design, and the graphic problem-solving process from concept through presentation. Extra supplies required. A $5.00 materials fee is payable upon registration. Prerequisite: GRA 100 or 105; or TA&G 130 or 170; or equivalent experience with comparable software. Credit/No Credit or letter grade option. (CSU)

GRA 131 GRAPHIC DESIGN FOUNDATIONS II

Covers principles of design, symbolism, and typography. Includes the graphic problem-solving process from concept through presentation, using a variety of practical design problems. Extra supplies required. A $5.00 materials fee is payable upon registration. Prerequisite: GRA 130 or TA&G 220 or equivalent experience with comparable software. Credit/No Credit or letter grade option. (CSU)

GRA 225 PUBLICATION DESIGN

Examines the role in the marketplace of a wide variety of publication formats and provides practical experience creating them. Analyzes the best approaches for communicating editorial and informational messages. Explains editorial design and the expression of content through design as well as the dynamics and principles of page layout. Extra supplies required. Prerequisite: TA&G 101 and 220 or GRA 106 and 131 or equivalent.

GRA 250 DIGITAL PREPRESS

Digital mechanicals, digital prepress, digital color and color reproduction. Working with service bureaus, proofing. Extra supplies required. Prerequisite: TA&G 101, 120, 240 or equivalent. (CSU)

GRA 260 PORTFOLIO

Students initiate, develop, and complete substantial individual projects in consultation with and under the direction of the instructor. Emphasizes development of a marketable portfolio. Extra supplies required. Prerequisite: completion of three semesters of TA&G curriculum. (CSU)

GRA 690 SPECIAL PROJECTS

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 157. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

HEALTH SCIENCE

HSCI 100 GENERAL HEALTH SCIENCE

Survey of most prevalent threats to one’s physical and emotional health; emphasis is on prevention and early treatment. (CSU/JC*)

Health Science courses continued on next page
### EVENING CLASSES

<table>
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<tr>
<th>Course ID</th>
<th>Class ID</th>
<th>Ref.</th>
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<td>32412</td>
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<td>32408</td>
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<td>See pages 98-102</td>
<td>TV-CRS Malik, A.</td>
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</table>

### HIST 105 COMMUNICABLE DISEASE

Study of the immune system and other defenses against infectious organisms. Emphasizes prevention and treatment of our most serious communicable disorders, with special consideration of AIDS and other sexually transmitted diseases. (CSU)

32416 HSCI 105 A1 MW 8:10 - 9:00 10-106 Injis, J. 3.0
Start and end dates for section 32416: 1/13 - 3/12

32417 HSCI 105 B1 MW 9:10 - 10:00 10-106 Injis, J. 3.0
Start and end dates for section 32417: 1/13 - 3/12

### HIST 111 HEART DISEASE AND CANCER

Study of the two leading causes of death in the U.S. today, emphasizing prevention. Also covers causes, symptoms and warning signs, detection, and treatment. (CSU)

32420 HSCI 111 A1 MW 11:10 - 12:00 10-106 Injis, J. 3.0
Start and end dates for section 32420: 1/13 - 3/12

### HIST 690 SPECIAL PROJECTS

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 11, Room 136. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

33128 HSCI 690 AA By Arr 2.0 Hrs/Wk 11-136 Kowerski, R. 2.0
33129 HSCI 690 BB By Arr 1.0 Hrs/Wk 11-136 Kowerski, R. 1.0

### HISTORY

### HIST 100 HISTORY OF WESTERN CIVILIZATION I

The ancient world; medieval society; Renaissance and Reformation; early modern times. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN HIST 2) (HIST 100 and 101 = CAN HIST SEQ A)

32365 HIST 100 AA TTh 9:45 - 11:00 16-154 Kornblau, J. 3.0
32364 HIST 100 AB MWF 10:10 - 11:00 16-154 Robertson, J. 3.0

### HIST 101 HISTORY OF WESTERN CIVILIZATION II

The Enlightenment; French and Industrial revolutions; national unification; imperialism; world wars; rise of totalitarianism; today's challenges. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN HIST 4) (HIST 100 and 101 = CAN HIST SEQ A)

32367 HIST 101 AA MWF 8:10 - 9:00 14-124 Acena, A. 3.0
35026 HIST 101 AB MWF 12:10 - 1:00 14-124 Robertson, J. 3.0

### EVENING CLASSES

32368 HIST 101 JA W 6:30 - 7:30 14-124 Vasquez, G. 3.0

### HIST 102 HISTORY OF AMERICAN CIVILIZATION

A survey of American history from discovery to the present, emphasizing political, cultural, and economic trends. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC*)

32369 HIST 102 AA MWF 9:10 - 10:00 14-120 Staff 3.0

### HIST 201 UNITED STATES HISTORY I

History of the U.S. through the Civil War. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC*) (CAN HIST 8) (HIST 201 and 202 = CAN HIST SEQ B)

32372 HIST 201 AA MWF 8:10 - 9:00 14-124 Still, M. 3.0
32373 HIST 201 AB TTh 9:45 - 11:00 14-124 Still, M. 3.0

### EVENING CLASSES

32984 HIST 201 JA TTh 5:30 - 6:45 14-124 Galindo, T. 3.0

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@ Courses open for audit.

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<table>
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<th>Class ID</th>
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32375 HIST 202 AB MWF 12:10 - 1:00 14-124 Staff 3.0
32376 HIST 202 AC TTh 11:10 - 12:25 14-122 Kornblau, J. 3.0

### EVENING CLASSES

32378 HIST 202 JA M 7:00 - 10:05 14-124 Vasquez, G. 3.0

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### HIST 202 HONORS UNITED STATES HISTORY II

History of the U.S. from 1865 to the present. Open only to Honors Program students. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN HIST 10) (HIST 201 and 202 = CAN HIST SEQ B)

32377 HIST 202 HA MWF 11:10 - 12:00 14-120 Robertson, J. 3.0

### HIST 260 WOMEN IN AMERICAN HISTORY

Survey of the role played by American women from colonial times to the present. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

38322 HIST 260 AA TTh 11:10 - 12:25 14-120 Staff 3.0

### HIST 310 CALIFORNIA HISTORY

Survey of major trends in the constitutional, political and economic growth of the State of California. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)

32379 HIST 310 AA TTh 8:10 - 9:25 16-154 Svanevik, M. 3.0
32380 HIST 310 AB MWF 9:10 - 10:00 16-154 Still, M. 3.0
32381 HIST 310 AC MWF 11:10 - 12:00 16-154 Still, M. 3.0

### EVENING CLASSES

33090 HIST 310 JA Th 6:30 - 7:30 14-124 Still, M. 3.0

### HIST 315 HISTORY OF SAN MATEO COUNTY

Survey of development of the County from Spanish and Indian times to the present, from frontier to suburb. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU)

32383 HIST 315 AA MWF 10:10 - 11:00 14-120 Svanevik, M. 3.0

### HIST 350 HISTORY OF THE AMERICAN WEST

Survey of westward movement and settlement of various frontiers: mining, cattle, railroads, Indians, fur trade, exploration. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)

32384 HIST 350 AA MWF 8:10 - 9:00 14-122 Svanevik, M. 3.0

### HIST 690 SPECIAL PROJECTS

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 169. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

32386 HIST 690 AA By Arr 2.0 Hrs/Wk 15-169 Kowerski, R. 2.0
32387 HIST 690 BB By Arr 1.0 Hrs/Wk 15-169 Kowerski, R. 1.0

### HIST 882 TO PICS IN THE AMERICAN WEST III

Survey of topics in later 19th Century Western American history; the railroad frontier, the buffalo, the urban West, technology and medicine in the West, the mineral frontier. Credit/No Credit grading.

### OFF-CAMPUS CLASSES

32388 HIST 882 A1 T 1:10 - 4:00 SMSC Svanevik, M. 1.5
Start and end dates for section 32388: 1/14 - 3/04

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An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
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<td>3/17</td>
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<td>EVENING CLASSES</td>
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<tr>
<td>HORT 471</td>
<td>European Floral Design</td>
<td>Study of floral design with emphasis on modern European styles. Extra supplies required. Credit/No Credit or letter grade option. (CSU)</td>
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<td>EVENING CLASSES</td>
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<tr>
<td>33909 HORT 417 JA</td>
<td>W</td>
<td>6:30</td>
<td>9:20</td>
<td>20-101</td>
<td>Wallace, L.</td>
<td>1.5</td>
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<tr>
<td>HORT 419</td>
<td>Bridal and Party Designs</td>
<td>Advanced study of floral design focusing on wedding and party work. Emphasizes reception, church, bridal party, theme parties, and centerpieces. Extra supplies required. Prerequisite: HORT 43 or equivalent. Credit/No Credit or letter grade option. (CSU)</td>
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<tr>
<td>32399 HORT 419 AA</td>
<td>M</td>
<td>2:30</td>
<td>5:35</td>
<td>20-101</td>
<td>Clark, S.</td>
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<tr>
<td>HORT 241</td>
<td>Contemporary Ikebana</td>
<td>Study of Japanese flower arranging, its history, philosophy, method and practice. Develops skills pertinent to the three schools of Ikebana (Ikenobo, Ohara, and Sogetsu). Extra supplies required. Credit/No Credit or letter grade option. May be taken four times for a maximum of 6 units. (CSU)</td>
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<td>32905 HORT 421 AA</td>
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<td>Williams, Y.</td>
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<tr>
<td>HORT 425</td>
<td>Cut Flower Identification</td>
<td>Study of the botanical and common names of the widely used fresh cut floral materials. Emphasizes care and handling techniques specified by the most current research. Extra supplies required. Credit/No Credit or letter grade option. May be taken two times for a maximum of 2 units. (CSU)</td>
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<td>EVENING CLASSES</td>
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<td>38545 HORT 425 J2</td>
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<td>Start and end dates for section 38545: 3/24</td>
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<td>HORT 690</td>
<td>Special Projects</td>
<td>Independent study in specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 157. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)</td>
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<td>32401 HORT 690 AA</td>
<td>By Arr</td>
<td>2.0 Hrs/Wk</td>
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<td>32402 HORT 690 BB</td>
<td>By Arr</td>
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<tr>
<td>HORT 712</td>
<td>Landscape: Shrubs</td>
<td>Study of shrubs and ground covers commonly used in California. Credit/No Credit or letter grade option. (CSU)</td>
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<td>38546 HORT 712 JA</td>
<td>Th</td>
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<tr>
<td>HORT 742</td>
<td>Greenhouse Management</td>
<td>Propagation and culture of roses, carnations, chrysanthemums, orchids, potted plants, and other greenhouse crops. Pest and disease control. Credit/No Credit or letter grade option. (CSU)</td>
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<td>EVENING CLASSES</td>
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<td>32906 HORT 742 JA</td>
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<td>Buschbom, C.</td>
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(HCSU) Transferable to California State Universities
(UC) Transferable to University of California, (*) With limitations

**HUM. 101 Introduction to Humanities: Greece through Reformation**

Major cultural and intellectual movements of western civilization through the reformation. Literature and the arts; religion; science. Recommended Preparation: eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

**EVENING CLASSES**

| 36360 HUM. 101 JA | Th | 7:00 | 9:50 | 18-293 | Gruen, S. | 3.0 |

*Humanities courses continued on next page*
<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<tr>
<td>HUM. 102 INTRODUCTION TO HUMANITIES:</td>
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<tr>
<td>REFORMATION TO PRESENT</td>
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<tr>
<td>Survey of major esthetic and intellectual movements in Western Civilization since the Reformation; ideas on man, nature and God.</td>
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<tr>
<td><strong>Recommended Preparation:</strong> eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)</td>
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<tr>
<td>32442</td>
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<td>11:00</td>
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<tr>
<td>HUM. 111 RELIGION, LITERATURE AND PHILOSOPHY IN ANCIENT GREECE</td>
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<tr>
<td>Greek views on the gods, man, freedom, fate, justice as seen in Greek epics, tragedies, religious practices and philosophy.</td>
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<td><strong>Recommended Preparation:</strong> eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)</td>
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<td>32425</td>
<td>HUM. 114 AC TTh</td>
<td>11:10</td>
<td>12:25</td>
<td>16-268 Freeman, A.</td>
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<tr>
<td>HUM. 125 TECHNOLOGY/CONTEMPORARY SOCIETY/ HUMAN VALUES</td>
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<tr>
<td>Critical humanistic analysis of development and impact of modern technology in diverse areas (e.g. warfare, work, genetics, information, politics, environment).</td>
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<td><strong>Recommended Preparation:</strong> eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)</td>
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<tr>
<td>32426</td>
<td>HUM. 125 AA MWF</td>
<td>11:10</td>
<td>12:00</td>
<td>18-293 Danielson, D.</td>
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<tr>
<td>32427</td>
<td>HUM. 125 AA MWF</td>
<td>11:10</td>
<td>12:00</td>
<td>18-293 Danielson, D.</td>
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<tr>
<td>HUM 127 SCIENCE AND ART I: PREHISTORY TO RENAISSANCE</td>
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<tr>
<td>World as seen by the scientist and artist. Major concepts of science and culture, prehistory to renaissance. Completion of HUM. 127 and 128 satisfies three units of Physical Science and three units of Humanities credit for the AA/AS degree. Either course taken alone satisfies three units of Humanities credit only. Recommended Preparation: eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)</td>
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<td>32427</td>
<td>HUM. 127 AA MWF</td>
<td>1:10</td>
<td>2:25</td>
<td>4-152 Black, J.</td>
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<tr>
<td>HUM. 131 CULTURAL ACHIEVEMENTS OF AFRICAN-AMERICANS</td>
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<tr>
<td>Introduction to Black aesthetics; emphasis on religious, philosophical, literary, musical and art forms of Africa and African-Americans.</td>
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<td><strong>Recommended Preparation:</strong> eligibility for ENGL 800 or 836. (CSU/UC)</td>
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<td>32430</td>
<td>HUM. 131 AA MWF</td>
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<td>11:00</td>
<td>16-270 Crawford, Z.</td>
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<tr>
<td>HUM. 133 CULTURAL ACHIEVEMENTS OF ASIAN-AMERICANS</td>
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<tr>
<td>Study of Asian-American cultural heritage with emphasis on religion, family, literature, music, arts, crafts and foods.</td>
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<tr>
<td><strong>Recommended Preparation:</strong> previous Ethnic Studies courses and eligibility for ENGL 800 or 836. (CSU/UC)</td>
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<td>32431</td>
<td>HUM. 133 AB MWF</td>
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<td>10:00</td>
<td>14-207 Fong, J.</td>
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<tr>
<td>HUM. 140 CULTURAL HERITAGE OF SAN FRANCISCO AND ITS ENVIRONS</td>
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<tr>
<td>History, art, architecture, music, literature and geography of San Francisco and its environs.</td>
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<td><strong>Recommended Preparation:</strong> eligibility for ENGL 800 or 836. (CSU)</td>
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<td>12:00</td>
<td>14-124 Svanevik, M.</td>
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<tr>
<td>HUM. 676 HONORS COLLOQUIUM IN WESTERN CIVILIZATION II</td>
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<tr>
<td>Selected advanced topics in Western Civilization. Readings, discussion and lectures.</td>
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<tr>
<td><strong>Prerequisite:</strong> limited to students in the Honors Program who have completed or are concurrently enrolled in an associated non-honors course in Western Civilization or the equivalent. (CSU/UC)</td>
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<tr>
<td>32433</td>
<td>HUM. 676 H1 Th</td>
<td>1:10</td>
<td>2:15</td>
<td>14-124 Acena/Danielson 1.0</td>
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<td>14-124 Acena/Danielson 1.0</td>
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<tr>
<td>HUM. 690 SPECIAL PROJECTS</td>
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<tr>
<td>Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 169. Register after first week of classes.</td>
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<td><strong>Prerequisite:</strong> 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)</td>
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<td>32434</td>
<td>HUM. 690 AA By Arr</td>
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<td>15-169 Acena, A.</td>
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<td>32435</td>
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<tr>
<td>HUMAN SERVICES</td>
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<tr>
<td>HMSV 100 INTRODUCTION TO HUMAN SERVICES</td>
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<tr>
<td>Overview of the types and functions of Human Services agencies and careers in Human Services. Emphasizes the knowledge, skills, abilities, and understanding of human needs necessary to prepare for a career in Human Services. (CSU)</td>
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<td><strong>EVENING CLASSES</strong></td>
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<td>36355</td>
<td>HMSV 100 JA M</td>
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<td>HMSV 110 INTRODUCTION TO COUNSELING AND INTERVIEWING</td>
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<tr>
<td>An introduction to the skills and techniques of counseling and interviewing. Focuses on effective listening, responding, questioning, assessment, referral, values and ethics.</td>
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<td><strong>Recommended Preparation:</strong> eligibility for ENGL 800 or 836. (CSU)</td>
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<tr>
<td>36351</td>
<td>HMSV 110 JA T</td>
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<td>18-291 Stringari, L.</td>
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<td>HMSV 120 PUBLIC ASSISTANCE AND BENEFITS PROGRAMS</td>
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<tr>
<td>Overview of federal and state public welfare benefits available to persons in need, including eligibility requirements and entitlements.</td>
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<td><strong>Recommended Preparation:</strong> eligibility for ENGL 800 or 836.</td>
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<td><strong>SATURDAY CLASSES</strong></td>
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<tr>
<td>36354</td>
<td>HMSV 120 S2 S</td>
<td>9:00</td>
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<td>14-103 Hennen, J.</td>
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<td><strong>Start and end dates for section 36354:</strong> 3/22</td>
<td>5/29</td>
<td>14-103 Hennen, J.</td>
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<tr>
<td>HMSV 264 SUPPORTING FAMILY SUCCESS</td>
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<tr>
<td>A skills-based course designed to prepare human services students and workers to provide support services to families in a community setting. Covers strength-based assessment, resource development, service coordination, collaboration and networking, home visitations, team building, goal setting, and family conference facilitation. (CSU)</td>
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<td>37842</td>
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<td>5/22</td>
<td>HSAA Stringari, L.</td>
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<td>ITALIAN</td>
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<tr>
<td>For a general explanation of course numbers and levels, please see FOREIGN LANGUAGES, page 55.</td>
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<tr>
<td>ITAL 111 ELEMENTARY ITALIAN I</td>
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<tr>
<td>Conversation in Italian, dictation, reading, fundamentals of grammar and writing of simple Italian exercises. Plus one lab hour by arrangement.</td>
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<tr>
<td>An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).</td>
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<td>Course Title</td>
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<td>Bldg/Room</td>
<td>Instructor</td>
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<tr>
<td>ITAL 112</td>
<td>ELEMENTARY ITALIAN II</td>
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<tr>
<td>ITAL 115</td>
<td>BEGINNING ITALIAN I</td>
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<tr>
<td>JAPN 111</td>
<td>ELEMENTARY JAPANESE I</td>
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<tr>
<td>JAPN 112</td>
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<td>JOUR 110</td>
<td>MASS MEDIA IN SOCIETY</td>
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**ITALIAN**

- **ITAL 112 ELEMENTARY ITALIAN II**
  - Continuation of ITAL 111 with further development of the skills of understanding speaking, reading, and writing. Plus one lab hour by arrangement per week. **Prerequisite:** ITAL 111 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

- **ITAL 115 BEGINNING ITALIAN I**
  - **Telecourse:** Basic Italian vocabulary and language structure studied through text, audio cassettes, and broadcast videotapes. Equivalent to Italian 111 but without the oral component. Credit/No Credit or letter grade option. (CSU)

- **ITAL 116 BEGINNING ITALIAN II**
  - **Telecourse:** Continuation of Italian 115. Basic Italian vocabulary and language structure and enhances appreciation of Italian culture. Workbook and audio tape exercises focus on reading, writing, and listening comprehension. Parallels Italian 122 but without the oral component. **Prerequisite:** ITAL 115 or equivalent with a grade of C or higher. Credit/No Credit or letter grade option. (CSU)

- **ITAL 117 ADVANCED BEGINNING ITALIAN I**
  - **Telecourse:** Continuation of Italian 116. Introduces basic Italian vocabulary and language structure and enhances appreciation of Italian culture. Workbook and audio tape exercises focus on reading, writing, and listening comprehension. Parallels Italian 122 but without the oral component. **Prerequisite:** ITAL 116 or equivalent with a grade of C or higher. Credit/No Credit or letter grade option. (CSU)

- **ITAL 120 ADVANCED BEGINNING ITALIAN II**
  - Further study of grammar and sentence structure, oral and written exercises, conversation in Italian, and dictation. Further study of Italian culture. Plus one lab hour by arrangement per week. **Prerequisite:** ITAL 121 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

- **ITAL 801 CONVERSATIONAL ITALIAN I, ELEMENTARY**
  - Intensive drill in the patterns and idioms of daily speech with sufficient grammar to give flexibility in the spoken language. Credit/No Credit (CSU) Transferable to California State Universities (UC) Transferable to University of California, (*) With limitations

**JAPANESE**

- **JAPN 110 ELEMENTARY JAPANESE I**
  - Covers approximately the first half of the semester’s work in JAPN 110. Emphasizes oral expression, reading, and written forms. Plus one lab hour by arrangement per week. Credit/No Credit or letter grade option. (CSU/UC*)

- **JAPN 111 ELEMENTARY JAPANESE II**
  - Covers approximately the second half of the semester’s work in JAPN 110. Further study of basic patterns of Japanese. (JAPN 111 and 112 are equivalent to JAPN 110.) Plus one lab hour by arrangement per week. **Prerequisite:** JAPN 111 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

- **JAPN 120 ADVANCED ELEMENTARY JAPANESE I**
  - Covers approximately the first half of the semester’s work in JAPN 120. Plus one lab hour by arrangement per week. **Prerequisite:** JAPN 110 or 112 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

- **JAPN 121 ADVANCED ELEMENTARY JAPANESE II**
  - Covers approximately the second half of the semester’s work in JAPN 120. (JAPN 121 and 122 are equivalent to JAPN 120.) Plus one lab hour by arrangement per week. **Prerequisite:** JAPN 120 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

**JOURNALISM**

- **JOUR 110 MASS MEDIA IN SOCIETY**
  - Survey of the mass media in their print and electronic forms, their influence on society, and their historical origins. Students will analyze journalism, entertainment, and advertising as distinct offerings and develop media literacy in assessing media offerings. **Prerequisite:** eligibility for ENGL 100. (CSU/UC) (CAN JOUR 4)

Journalism courses continued on next page
JOUR 120 NEWSWRITING

Techniques of news gathering, judging news values, and writing the news story. Students write for The San Matean, the College paper. Prerequisite: eligibility for ENGL 800 or 836 or higher English course. (CSU) (CAN JOUR 2)

32457 JOUR 120 AA MWF 11:10 12:00 6-100 Remitz, E. 4.0
By Arr 3.0 Hrs/Wk 6-100

JOUR 300 NEWSPAPER PRODUCTION

Production of the student newspaper, The San Matean. Discussion and criticism of newspaper content and layout. May be taken three times for a maximum of 6 units. (CSU)

32458 JOUR 300 AA MWF 12:10 1:00 6-100 Remitz, E. 2.0

JOUR 690 SPECIAL PROJECTS

Independent study in specific field or topic. Requires approval of Division Dean; Bldg. 17, Room 169. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

33255 JOUR 690 AA By Arr 2.0 Hrs/Wk 6-100 Remitz, E. 2.0
33256 JOUR 690 BB By Arr 1.0 Hrs/Wk 6-100 Remitz, E. 1.0

JOUR 880 SPECIAL STUDIES IN JOURNALISM

Designed for students who are interested in participating in student publications without the scheduling difficulties of committing to a journalism major. Students will learn about the requirements for producing a student publication and journalism fundamentals. They will work in newswriting, editing, opinion writing, page design and layout, photography, or advertising. A unique learning resource for students from a variety of other disciplines or those interested in exploring their curiosity about journalism. Plus two lab hours by arrangement per week.

37066 JOUR 880 AX F 12:10 1:00 6-100 Remitz, E. 1.0

LEARNING COMMUNITIES

THE AMERICAN DREAM: FACTS AND FICTIONS

This learning community explores the social and moral dimensions of the American dream. It examines the sociological and philosophical role this construct plays in animating and guiding both our culture and our individual lives. It will also address the questions of equal access to the vision for diverse groups of people and whether this vision needs rethinking as America searches to find its appropriate place in both the global village and the ecosystem. This learning community is a combination of two transfer-level courses, Philosophy 244 and Sociology 105, with students taking both courses during consecutive hours. Come join the fun and be part of something new and exciting. Recommended Preparation: eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU)

35464 LCOM 110 AA MWF 9:10 11:00 18-293 6.0
Consists of:
PHIL 244 AB MWF 9:10 10:00 18-293 Ball, J. 3.0
SOC 105 AA MWF 10:10 11:00 16-167 Mathur, M. 3.0
For more information, contact:
Dr. Jeremy Ball at (650) 574-6638 or ballj@smccd.net
Dr. Minu Mathur at (650) 574-6658 or mathurm@smccd.net

LCOM ASSET (ALGEBRA SUCCESS STRATEGIES EDUCATIONAL TEAM) DEVELOPMENT

In the ASSET DEVELOPMENT learning community you will take MATH 111 (Elementary Algebra first half) and CRER 122 (Strategies for Educational Success). You will learn Elementary Algebra while developing strategies for success in mathematics courses as well as other college courses. You will assess your learning styles, develop effective study habits, reduce test-taking anxiety, develop problem-solving skills, and create a system of study. You will become part of a community of students who support you in your goal of success in mathematics. The community will have the support of a mathematics instructor, a counselor, and mathematics tutors. The goal of the learning community is success for each student in both MATH 111 and CRER 122 as a building block for success in MATH 112 (Elementary Algebra, second half). Prerequisite: appropriate skill level as measured by a satisfactory score on Math Placement Test One in combination with previous math coursework. Students who have earned three units of credit in BUS. 810 (BUS. 110 at Canada College) or MATH 811 at one of the SMCCCD colleges with a grade of C or higher need not take the Math Placement Test.

38815 LCOM 115 AA Daily 9:10 10:00 12-173 4.0
Consists of:
MATH 111 AB MWF 9:10 10:00 12-173 Gregory, C. 3.0
CRER 122 CAT 9:10 10:00 12-173 Burns, E. 1.0
MATH 880 AA Th 9:10 10:00 12-173 Gregory, C. 0.0
For more information, contact:
Elaine Burns at (650) 574-6172 or burmes@smccd.net
Cheryl Gregory at (650) 574-6307 or Gregory@smccd.net

ENGLISH FOR LIFE: LEARN IT TODAY - USE IT TOMORROW

In the ENGLISH FOR LIFE LEARNING COMMUNITY, non-native speakers of English will take English 841 and Speech 841. You will work on listening, speaking, reading, and writing skills that will help you learn English faster. You will also learn about American culture. Join our learning community and get lots of support from two dedicated teachers and make friends from different countries. Recommended Preparation for ENGL 841: appropriate skill level indicated by placement tests and other measures. It is recommended that students enroll concurrently in READ 841 or higher course, SPCH 841 or higher course, and READ 807. SPCH 841: It is recommended that students enroll concurrently in ENGL 841 or higher course, READ 841 or higher course, and READ 807.

38816 LCOM 120 AA MW 11:10 12:15 16-254 8.0
Consists of:
SPCH 841 AA MW 11:10 12:25 16-254 Scholer, L. 3.0
ENGL 841 AC MTWTh 1:10 2:15 16-254 Schulze, F. 5.0

READING AND WRITING: ETHNICITY IN THE U.S.

In the READING AND WRITING LEARNING COMMUNITY, you will satisfy your English 100 prerequisites (English 836 and Reading 836), and develop and refine specific composition skills, and apply advanced reading and study strategies to essays and readings from various college courses. You will read interesting articles about race and ethnicity in the U.S. and use those as resources for writing your own articles about race and ethnicity in the U.S.

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 IX/ART 202 IX).
essays. Join our learning community and get lots of support from two dedicated teachers who will coordinate the activities and assignments of both classes. Plus two lab hours by arrangement per week. **Prerequisite:** ENGL 801, 826, or 400, or by a grade of C or higher (or appropriate skill level as indicated by the English placement tests or other measures); and READ 801 or 826 with Credit or a grade of C or higher, or eligibility for READ 802 or 836 or 400-level Reading courses (indicated by the Reading placement test or other measures). (All ENGL 836 students who received a grade of C in ENGL 801 or ENGL 840 are strongly advised to enroll concurrently in ENGL 850.)

### LIBRARY STUDIES

**LIBR 105 ONLINE RESEARCH SKILLS**

Introduction to online research skills with an emphasis on effective techniques for accessing and searching online databases and other research tools to identify and evaluate quality information. Credit/No Credit or letter grade option. (CSU)

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<tr>
<th>Course Reference</th>
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<th>Days</th>
<th>Hours</th>
<th>Bldg/ Room</th>
<th>Instructor</th>
<th>Units</th>
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<tbody>
<tr>
<td>37960 LIBR 105 AO</td>
<td>By Arr</td>
<td>3.0 Hrs/Wk</td>
<td>9-200 Karas, T.</td>
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### MACHINE TOOL TECHNOLOGY

**MTT. 200 INTRODUCTION TO MACHINE TOOL TECHNOLOGY**

Survey course for technology students. Theory and practice in all basic processes. Lab supplies required. (CSU)

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<th>Bldg/ Room</th>
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<td>1:35 4:35</td>
<td>25-170</td>
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**MTT. 690 SPECIAL PROJECTS**

Independent study in specific field or topic. Requires approval of Division Dean, Bldg 19, Room 113. Register after first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

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<tr>
<td>33270 MTT. 690 BB</td>
<td>By Arr</td>
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<td>19-113 McGinnis, T.</td>
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**MTT. 755 MACHINE TOOL THEORY AND PRACTICE II**

Intermediate and advanced studies, tool and cutter design, E.D.M., tool design, thread cutting. Plus one lab hour by arrangement per week. **Prerequisite:** MTT. 750. Students must provide personal tools and extra supplies. Lab fee required. (CSU)

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<th>Course Reference</th>
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<td>37753 MTT. 755 JA</td>
<td>Th</td>
<td>6:00 6:50</td>
<td>26-140 Staff</td>
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<td>7:00 9:50</td>
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### MANAGEMENT

**Also see Business**

**MGMT 100 INTRODUCTION TO BUSINESS MANAGEMENT**

Examine managerial functions and roles as well as the evolution of management theories. Gives considerable attention to the identification and development of critical managerial skills. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU)

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<th>Course Reference</th>
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<td>32570 MGMT 100 AA</td>
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<td>9:10 10:00</td>
<td>14-200 Blake, C.</td>
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### TECHNOLOGY

**MGMT 120 MANAGEMENT COMMUNICATIONS**

The communication process-both verbal and written. Includes a study of the causes and patterns of miscommunication. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU)

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<td>EVENING CLASSES</td>
<td>32573 MGMT 120 JA</td>
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<td>6:30 9:20</td>
<td>14-104 Isler, S.</td>
<td>3.0</td>
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**MGMT 215 MANAGEMENT OF HUMAN RESOURCES**

Understanding of the personnel function as it relates to industry; selection and placement, wage and salary procedures, training, and evaluation. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU)

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<td>EVENING CLASSES</td>
<td>32574 MGMT 215 JA</td>
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<td>6:30 9:20</td>
<td>14-200 Anderson, P.</td>
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**MGMT 690 SPECIAL PROJECTS**

Independent study in specific field or topic. Requires approval of Division Dean; Bldg 15, Room 157. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

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<td>32576 MGMT 690 AA</td>
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<td>15-157 Avelar, L.</td>
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<tr>
<td>32967 MGMT 690 BB</td>
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<td>15-157 Avelar, L.</td>
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### MANUFACTURING AND INDUSTRIAL TECHNOLOGY

**BEGINNING BLACKSMITHING**

Fundamentals of blacksmithing, metals properties, surface treatments, tool design, and production. Shop skills and techniques will be demonstrated. Students will learn basic techniques in manipulating mild and tool steels, and will fabricate simple tools. Lab fee and extra supplies required. Credit/No Credit or letter grade option. Course may be taken twice for a maximum of four units.

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### MATHEMATICS

**MATH 110 ELEMENTARY ALGEBRA**

Elementary algebra through quadratic equations. Plus one hour by arrangement per week. Extra supplies may be required. **Prerequisite:** appropriate skill level as measured by a satisfactory score on Math Placement Test One in combination with previous math coursework. Students who have earned three units of credit in BUS. 810 (Bus. 110 at Cañada College) or MATH 811 at one of the SMCCCD colleges with a grade of C or higher need not take the Math Placement Test.

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<tr>
<td>32476 MATH 110 AA</td>
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<td>18-086 Burke, M.</td>
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<tr>
<td>32471 MATH 110 AD Daily</td>
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<td>10-120 Lehmann, J.</td>
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<tr>
<td>32473 MATH 110 AF Daily</td>
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<td>16-274 Hom, M.</td>
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**MATH 111 ELEMENTARY ALGEBRA I**

First half of elementary algebra (MATH 110). Plus one hour by arrangement per week. Extra supplies may be required. **Prerequisite:** appropriate skill level as measured by a satisfactory score on Math Placement Test One in combination with previous math coursework. Students who have earned three units of credit in BUS. 810 (Bus. 110 at Cañada College) or MATH 811 at one of the SMCCCD colleges with a grade of C or higher need not take the Math Placement Test.

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<tr>
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<th>Bldg/ Room</th>
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**Mathematics courses continued on next page**
**MATH 111 AB must be taken as part of the Learning Community: Asset Development. See page 64.**

32477 MATH 111 AC MWF 10:10 11:00 16-119 Derksen, R. 3.0
32478 MATH 111 AD MWF 11:10 12:00 16-172 Komas, R. 3.0
32479 MATH 111 BA MWF 12:10 1:00 16-274 Hom, M. 3.0  

**EVENING CLASSES**
32480 MATH 111 JA W 7:00 9:50 16-274 Crawford, D. 3.0

**MATH 112 ELEMENTARY ALGEBRA II**
Second half of elementary algebra (MATH 110). Plus one hour by arrangement per week. Extra supplies may be required. **Prerequisite:** MATH 111 or an equivalent course at a postsecondary institution with a grade of C or higher.

32481 MATH 112 AA MWF 9:10 10:00 16-119 Callahan, P. 3.0
32482 MATH 112 AB MWF 9:10 10:00 12-172 Gregory, C. 3.0
32483 MATH 112 AC MWF 12:10 1:00 11-169 Gregory, C. 3.0

**EVENING CLASSES**
32484 MATH 112 JA Th 7:00 9:50 12-173 Hirsch, G. 3.0

**MATH 120 INTERMEDIATE ALGEBRA**
Review/extension of elementary algebra through systems of equations, exponential and logarithmic functions. Plus one hour by arrangement per week. Extra supplies may be required. **Prerequisite:** MATH 110 or MATH 112 or an equivalent course at a postsecondary institution with a grade of C or higher or an equivalent skill level (as measured by a satisfactory score on Math Placement Test). Two in combination with a high school course equivalent to MATH 110 or 112). **Recommended Preparation:** MATH 115 or one year of high school geometry.

32486 MATH 120 AA Daily 8:10 9:00 16-170 Brown, K. 5.0
32488 MATH 120 AC Daily 9:10 10:00 16-169 Phipp, L. 5.0
32489 MATH 120 AD Daily 9:10 10:00 18-088 O'Mahony, R. 5.0
32490 MATH 120 AF Daily 10:10 11:00 18-090 Church, G. 5.0
32491 MATH 120 AG Daily 11:10 12:00 12-173 Phipp, L. 5.0
32492 MATH 120 AJ Daily 11:10 12:00 16-169 Hasson, R. 5.0
32494 MATH 120 AK Daily 12:10 1:00 16-271 Faure, E. 5.0

**EVENING CLASSES**
32496 MATH 120 JA M 7:00 10:05 11-132 Moughadam, S. 5.0
33549 MATH 120 JB TTh 7:00 9:50 11-132 Shahrvini, B. 5.0

**ONLINE CLASSES**
32487 MATH 120 WW See pages 96-97 Online CRS Church, G. 5.0

**MATH 122 INTERMEDIATE ALGEBRA I**
A review of elementary algebra with certain topics studied in greater depth. Plus one hour by arrangement per week. Extra supplies may be required. **Prerequisite:** MATH 110 or 112 or an equivalent course at a postsecondary institution with a grade of C or higher or an equivalent skill level (as measured by a satisfactory score on Math Placement Test). Two in combination with a high school course equivalent to MATH 110 or 112). **Recommended Preparation:** MATH 115 or one year of high school geometry.

32497 MATH 122 AA MWF 8:10 9:00 16-169 Phipp, L. 3.0
32498 MATH 122 AB MWF 9:10 10:00 12-172 Kapuku, M. 3.0
32499 MATH 122 AD MWF 12:10 1:00 16-172 Staff 3.0

**EVENING CLASSES**
32500 MATH 122 JA W 7:00 9:50 16-172 Shayer, S. 3.0

**MATH 123 INTERMEDIATE ALGEBRA II**
A continuation of MATH 122. Review/extension of elementary algebra through systems of equations, exponential and logarithmic functions. Plus one hour by arrangement per week. Extra supplies may be required. **Prerequisite:** MATH 122 with a grade of C or higher or an equivalent course at a postsecondary institution.

32501 MATH 123 AA MWF 10:10 11:00 18-088 Hofeld, J. 3.0
32502 MATH 123 AB TTh 11:10 12:25 16-172 Staff 3.0

**EVENING CLASSES**
32503 MATH 123 AA MWF 8:10 9:00 11-031 Magadalno, M. 3.0
32504 MATH 123 AB MWF 9:10 10:00 10-102 Magadalno, M. 3.0
32505 MATH 123 AC TTh 11:10 12:25 11-030 Kapuku, M. 3.0

**MATH 125 ELEMENTARY FINITE MATHEMATICS**
Systems of linear equations and inequalities, matrices, set theory, logic, elementary probability, linear programming, and mathematics of finance. Plus one hour by arrangement per week. Extra supplies may be required. **Prerequisite:** MATH 120 or 123 or an equivalent course at a postsecondary institution with a grade of C or higher or an equivalent skill level (as measured by a satisfactory score on Math Placement Test Three in combination with a high school course equivalent to MATH 120 or 123). (CSU/UC) (CAN MATH 12)

32508 MATH 125 AA MWF 8:10 9:00 16-171 Davis, W. 3.0
32509 MATH 125 AB MWF 9:10 10:00 16-274 Davis, W. 3.0
32510 MATH 125 AC TTh 11:10 12:25 16-172 Komas, R. 3.0
32512 MATH 125 AD MWF 11:10 12:00 16-170 Singh, B. 3.0
32513 MATH 125 AE MWF 12:10 1:00 18-088 Hasson, R. 3.0

**EVENING CLASSES**
32514 MATH 125 JA T 7:00 9:50 14-207 Faure, E. 3.0

**MATH 130 ANALYTIC TRIGONOMETRY**
Trigonometric functions of real numbers and angles, identities and solutions of trigonometric equations. Plus one hour by arrangement per week. Extra supplies may be required. **Prerequisite:** MATH 115 and MATH 120 or 123 or equivalent courses at a postsecondary institution with a grade of C or higher or equivalent skill level (as measured by a satisfactory score on Math Placement Test Three in combination with high school courses equivalent to MATH 115 and MATH 120 or 123). (CSU/UC) (CAN MATH 8)

32517 MATH 130 AA MWF 9:10 10:00 18-009 Kavinoky, R. 4.0
32524 MATH 130 AC MWF 10:10 11:00 16-165 Kavinoky, R. 4.0
32518 MATH 130 AD MWF 10:10 11:00 12-173 Staff 4.0
32519 MATH 130 AF MWF 11:10 12:00 16-165 Brown, K. 4.0
32520 MATH 130 AG MWF 12:10 1:00 16-165 Robinson, D. 4.0
32516 MATH 130 AH MWF 12:10 1:00 18-088 Staff 4.0

**EVENING CLASSES**
32522 MATH 130 JA MW 7:00 9:15 12-173 Hellerstein, N. 4.0

**MATH 132 PRECALCULUS**
Advanced algebra topics including the theory of equations, complex numbers, vectors and matrices, and a review of trigonometry. Plus one hour by arrangement per week. Extra supplies may be required. **Prerequisite:** MATH 130 or an equivalent course at a postsecondary institution with a grade of C or higher or equivalent skill level (as measured by a satisfactory score on Math Placement Test Three in combination with a high school course equivalent to MATH 120 or 123). (CSU/UC*) (CAN MATH 13)

32523 MATH 132 AA MWF 8:10 9:00 18-086 Burke, M. 5.0
32524 MATH 132 AB MWF 9:10 10:00 18-088 Davis, W. 5.0
32525 MATH 132 AD MWF 11:10 12:00 16-171 Church, G. 5.0

**EVENING CLASSES**
32525 MATH 132 JA M 7:00 10:05 16-169 Shender, E. 5.0

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
MATH 231 SYMBOLIC LOGIC AND MATHEMATICAL PROOF
Propositions, arguments and validity, truth-functional equivalence, axiomatic systems, quantifiers, direct and indirect proof and proof strategy. Plus one hour by arrangement per week. Prerequisite: MATH 130 or an equivalent course at a postsecondary institution with a grade of C or higher OR equivalent skill level (as measured by a satisfactory score on Math Placement Test Three in combination with a high school course equivalent to MATH 130). Extra supplies may be required. Strongly recommended for students enrolled in or planning to take MATH 251 and math courses with numbers higher than 251. Credit/No Credit or letter grade option. (CSU)

32526 MATH 231 A1 TTh 12:10 1:00 12-173 Hasson, R. 1.0
Start and end dates for section 32526: 1/14 1/13

MATH 241 APPLIED CALCULUS
Selected topics from analytic geometry, plus basic techniques of both differential and integral calculus. Plus one hour by arrangement per week. Extra supplies may be required. Prerequisite: MATH 120 or 123 or an equivalent course at a postsecondary institution with a grade of C or higher OR equivalent skill level (as measured by a satisfactory score on Math Placement Test Three in combination with a high school course equivalent to MATH 120 or 123). Recommended for Business Majors: MATH 200. (CSU/UC*)(CAN MATH 30) (MATH 241 and 242 = CAN MATH SEQ D)

32532 MATH 241 AD Daily 9:10 10:00 16-171 Callahan, P. 5.0
32538 MATH 241 AA Daily 8:10 9:00 12-173 Gregory, C. 5.0
32540 MATH 241 JA MW 7:00 10:05 16-171 Kavinoky, R. 5.0

MATH 241 APPLIED CALCULUS II
Advanced work in differentiation and integration, calculus of functions of several variables, and selected topics from differential equations. Plus one hour by arrangement per week. Extra supplies may be required. Prerequisite: MATH 120 or 123 or the equivalent courses at a postsecondary institution with a grade of C or higher. (CSU/UC*)(CAN MATH 32) (MATH 241 and 242 = CAN MATH SEQ D)

32532 MATH 242 AA MWF 10:10 11:00 16-170 Komas, R. 5.0
32540 MATH 242 AB Daily 10:10 11:00 16-171 Callahan, P. 5.0

MATH 251 CALCULUS WITH ANALYTIC GEOMETRY I
Study of limits, continuity, the derivative, applications of the derivative, and the definite integral. Plus one hour by arrangement per week. Extra supplies may be required. Prerequisite: completion of Precalculus/College Algebra or the equivalent courses at a postsecondary institution with a grade of C or higher OR equivalent skill level (as measured by a satisfactory score on Math Placement Test Three in combination with a high school course equivalent to Precalculus/College Algebra). (CSU/UC*)(MATH 251, 252, and 253 = CAN MATH SEQ C)

32535 MATH 251 AA Daily 8:10 9:00 11-133 Hom, M. 5.0
32536 MATH 251 AB Daily 9:10 10:00 14-205 Feinman, Y. 5.0
32537 MATH 251 AC Daily 10:10 11:00 16-271 Faure, E. 5.0
34580 MATH 251 AF Daily 11:10 12:00 18-088 O'Mahony, R. 5.0

MATH 252 CALCULUS WITH ANALYTIC GEOMETRY II
Study of the antiderivative, techniques of integration, applications of the definite integral, exponential and logarithmic functions, parametric equations, polar coordinates, conic sections and vectors. Plus one hour by arrangement per week. Extra supplies may be required. Prerequisite: MATH 251 or an equivalent course at a postsecondary institution with a grade of C or higher. (CSU/UC*)(MATH 251, 252, and 253 = CAN MATH SEQ C)

32538 MATH 252 AA Daily 8:10 9:00 12-173 Gregory, C. 5.0
34036 MATH 252 AB Daily 10:10 11:00 16-172 Brown, K. 5.0
32539 MATH 252 AD Daily 11:10 12:00 18-086 Lehmann, J. 5.0

MATH 253 CALCULUS WITH ANALYTIC GEOMETRY III
Study of Taylor polynomials and Taylor's formula, infinite series, the calculus of functions of several independent variables, partial derivatives, multiple integration, and vector calculus to include Green's theorem, Stokes' theorem, and the divergence theorem. Plus one hour by arrangement per week. Extra supplies may be required. Prerequisite: MATH 252 or an equivalent course at a postsecondary institution with a grade of C or higher. (CSU/UC*)(MATH 251, 252, and 253 = CAN MATH SEQ C)

32541 MATH 253 AA Daily 9:10 10:00 16-165 Robinson, D. 5.0
32542 MATH 253 AD Daily 12:10 1:00 16-171 Kavinoky, R. 5.0

MATH 270 LINEAR ALGEBRA
Vectors and matrices applied to linear equations and linear transformations; real and inner product spaces. Plus one hour by arrangement per week. Extra supplies may be required. Prerequisite: MATH 252 or an equivalent course at a postsecondary institution with a grade of C or higher. (CSU/UC)(CAN MATH 26)

32543 MATH 270 AA MWF 12:10 1:00 12-167 Phippes, L. 3.0

MATH 275 ORDINARY DIFFERENTIAL EQUATIONS
Differential equations of first, second and higher order; simultaneous linear equations; solutions by power series and numerical methods. Plus one hour by arrangement per week. Extra supplies may be required. Prerequisite: MATH 253 or an equivalent course at a postsecondary institution with a grade of C or higher. With permission of instructor, may be taken concurrently with MATH 253. (CSU/UC)(CAN MATH 24)

EVENING CLASSES
32544 MATH 275 JA T 6:30 9:20 16-170 Komas, R. 3.0

MATH 690 SPECIAL PROJECTS
Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 11, Room 136. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

33179 MATH 690 AA By Arr 2.0 Hrs/Wk 11-136 Kowerski, R. 2.0
33181 MATH 690 BB By Arr 1.0 Hrs/Wk 11-136 Kowerski, R. 1.0

MATH 811 ARITHMETIC REVIEW
Basic arithmetic involving whole numbers, signed numbers, fractions, decimals, and percents; estimation, number sense, calculator skills, area and volume, and applications. Plus one hour by arrangement per week. Credit/No Credit grading. Open entry/open exit. Variable units. (Units do not apply toward AA/AS degree.)

32546 MATH 811 BO MWF 10:10 11:00 16-170 Komas, R. 1.0-3.0
32547 MATH 811 CO MWF 11:10 12:00 18-090 Derksen, R. 1.0-3.0

EVENING CLASSES
32551 MATH 811 J0 T 7:00 9:50 16-169 Behm, D. 1.0-3.0

MATH 812 ELEMENTARY ALGEBRA REVIEW
Review of elementary algebra. Prerequisite: MATH 110 or 111/112 with a grade of C or higher. Credit/No Credit grading. Open entry/open exit. (Units do not apply toward AA/AS degree.)

EVENING CLASSES
32552 MATH 812 J0 T 7:00 9:50 16-169 Behm, D. 1.0

MATH 881 MATHEMATICS LABORATORY
Students will discuss and problem solve in mathematics with tutors and fellow students; evaluate their learning skills; learn effective learning strategies. Plus one hour by arrangement per week. Extra supplies may be required.

38818 MATH 881 AO Daily/Hrs by Arr 16-166 Hasson, R. 0.0

(CSU) Transferable to California State Universities
(UC) Transferable to University of California, (*) With limitations
### MEDICAL ASSISTING

**MEDA 100 INTRODUCTION TO MEDICAL ASSISTING**
Duties and responsibilities of a medical assistant in a physician’s office, clinic, hospital, or other medical facility.

<table>
<thead>
<tr>
<th>Course Ref.</th>
<th>Bldg/No.</th>
<th>Class ID</th>
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<th>Hours</th>
<th>Room</th>
<th>Instructor</th>
<th>Units</th>
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<td>MEDA 100 AA</td>
<td>14-218</td>
<td>TTh</td>
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**MEDA 110 BASIC MEDICAL TERMINOLOGY**
Development of medical prefixes, roots, suffixes, and medical terms. Recommended Preparation: eligibility for ENGL 800 or 836 or equivalent skill level. (CSU)

<table>
<thead>
<tr>
<th>Course Ref.</th>
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<td>12:00</td>
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</table>

**MEDA 115 MEDICAL WORD PROCESSING**
Medical office keyboarding utilizing microcomputers for the production of medical letters, reports, and forms. A $2.00 materials fee is payable upon registration. Prerequisite: BUS. 315 or equivalent skill level. (CSU)

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<thead>
<tr>
<th>Course Ref.</th>
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<tr>
<td>MEDA 115 BX</td>
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</table>

**MEDA 120 CLINICAL PROCEDURES I**
Examination room techniques; sterilization procedures, medical emergencies, laboratory procedures. Prerequisite: BIOL 130 and MEDA 110. Extra supplies may be required.

<table>
<thead>
<tr>
<th>Course Ref.</th>
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<th>Instructor</th>
<th>Units</th>
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<td>MEDA 120 AX</td>
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<td>MEDA 121 AX</td>
<td>23-173</td>
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</table>

**MEDA 140 MEDICAL TRANSCRIPTION: BASIC**
Machine transcription of medical reports utilizing microcomputers. A $2.00 materials fee is payable upon registration. Prerequisite: MEDA 110 and 115. Recommended Preparation: BIOL 130. (CSU)

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<tr>
<th>Course Ref.</th>
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</table>

**MEDA 141 MEDICAL TRANSCRIPTION: ADVANCED**
Intensive transcription (using microcomputers) of hospital-type medical reports, including history and physical exams, surgeries, discharge summaries. A $2.00 materials fee is payable upon registration. Prerequisite: MEDA 140. Recommended Preparation: MEDA 190 and BIOL 130.

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<thead>
<tr>
<th>Course Ref.</th>
<th>Bldg/No.</th>
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**MEDA 150 MEDICAL OFFICE PROCEDURES**
Office procedures in medical field: decision-making, setting priorities, working under pressure. A $2.00 materials fee is payable upon registration. Prerequisite: completion of or concurrent enrollment in MEDA 100 and 110.

<table>
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<tr>
<th>Course Ref.</th>
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<td>3.0</td>
<td>Clinton, V.</td>
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**MEDA 160 MEDICAL INSURANCE PROCEDURES**
Medical insurance programs are presented with coding resources utilized in claims preparation. Billing and bookkeeping methods. A $2.00 materials fee is payable upon registration. Prerequisite: BUS. 315 or equivalent.

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<tr>
<th>Course Ref.</th>
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**MEDA 161 ICD (INTERNATIONAL CLASSIFICATION OF DISEASES)-9-CM (CLINICAL MODIFICATION): BEGINNING CODING**
Basic coding principles of diseases and symptoms according to ICD-9-CM. Use of indexes, sequencing of code numbers, and preparation of documents. Credit/No Credit or letter grade option. May be repeated once for credit.

**SATURDAY CLASSES**

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<tr>
<th>Course Ref.</th>
<th>Bldg/No.</th>
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<td>12:35</td>
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</table>

**MEDA 162 ICD (INTERNATIONAL CLASSIFICATION OF DISEASES)-9-CM (CLINICAL MODIFICATION): INTERMEDIATE CODING**
Continuation of MEDA 161 with emphasis on intermediate principles and philosophy of coding logic according to ICD-9-CM. Prerequisite: MEDA 161. Credit/No Credit or letter grade option.

**SATURDAY CLASSES**

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<tr>
<th>Course Ref.</th>
<th>Bldg/No.</th>
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**MEDA 163 ICD (INTERNATIONAL CLASSIFICATION OF DISEASES)-9-CM (CLINICAL MODIFICATION): ADVANCED CODING**
Continuation of MEDA 162 with emphasis on advanced principles and philosophy of coding logic according to ICD-9-CM. Prerequisite: MEDA 162. Credit/No Credit or letter grade option.

**SATURDAY CLASSES**

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<tr>
<th>Course Ref.</th>
<th>Bldg/No.</th>
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<tbody>
<tr>
<td>MEDA 163 SS</td>
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**MEDA 190 INTRODUCTION TO PHARMACOLOGY**
Designed for medical assistants, transcribers, and other allied health personnel. Includes identification, classification administration, and care and storage of drugs according to FDA regulations. (CSU)

**EVENING CLASSES**

<table>
<thead>
<tr>
<th>Course Ref.</th>
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<tr>
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</table>

*An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).*
Média et technologie du multimédia

**MÉDIA 690 SPECIAL PROJECTS**

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 157. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

33178 MÉDIA 690 AA By Arr  2.0 Hrs/Wk  19-157 Avalor, L.  2.0
33180 MÉDIA 690 BB By Arr  1.0 Hrs/Wk  19-157 Avalor, L.  1.0

**MÉDIA 801 MEDICAL ASSISTING EXAM REVIEW**

Comprehensive review and testing of administrative/clinical procedures and laws and ethics to prepare students for biannual certification testing offered by various organizations. **Prerequisite:** MÉDIA 121 and 150 or equivalent. Credit/No Credit or letter grade option. May be taken three times for a maximum of 3 units. (Units do not apply toward AA/AS degree.)

37042 MÉDIA 801 AX T  8:10  9:00  23-173 Charlton, K.  1.0

**METEO ROLOGY**

**ELEMENTARY METEO ROLOGY**

Study of the atmosphere's structure, the earth's heat budget, cloud forms, wind and precipitation. (CSU/UC)

32569 MÉTE 100 AA MWF 11:10 12:00  11-130 Robinson, D.  3.0

**MÉTE 101 METEO ROLOGY LABORATORY**

Use of instruments, charts, and the Internet to observe and interpret weather phenomena. Plus one hour by arrangement per week. **Prerequisite:** concurrent enrollment in or completion of MÉTE 100. One or more field trips may be required. (CSU/UC)

36532 MÉTE 101 AA W 1:10  4:00  16-165 Robinson, D.  1.0

**MULTIMEDIA**

**MULT 100 MULTIMEDIA TECHNOLOGY**

The technology used to create multimedia productions can be intimidating. This course demystifies the hardware, software, and computer operating systems that are used by multimedia professionals. Introduces students to different computer operating systems, basic hardware identification, computer functionality, file management, and problem reporting. Plus three lab hours by arrangement per week. Credit/No Credit or letter grade option. (CSU)

37991 MULT 100 A2 W  9:10 12:00  19-107 Sanchez, S.  1.5
Start and end dates for section 37991: 3/19  5/14

**EVENING CLASSES**

37992 MULT 100 J2 Th  6:30  9:20  26-142 Sanchez, S.  1.5
Start and end dates for section 37992: 3/20  5/22

**MULT 105 INTRODUCTION TO MULTIMEDIA**

Multimedia is the integration of graphics, animation, text, audio, video, and interactivity. This course introduces students to the technologies that make up the world of multimedia. Covers Internet technologies, web design, animation, digital audio, digital video, motion graphics, and interactive presentations. Plus one lab hour by arrangement per week. Credit/No Credit or letter grade option. (CSU)

37993 MULT 105 A1 W  9:10 12:00  19-107 Sanchez, S.  1.5
Start and end dates for section 37993: 1/15  3/12

**EVENING CLASSES**

37994 MULT 105 J1 Th  6:30  9:20  26-142 Sanchez, S.  1.5
Start and end dates for section 37994: 1/16  3/13

**MULT 115 MULTIMEDIA CAREERS**

Introduction to the multimedia profession. Includes job hunting, skill set assessment, full-time and contract work environments, freelancing, startup ventures, and career management. Credit/No Credit or letter grade option. (CSU)

37996 MULT 115 A1 T  9:10 12:00  19-103 Sanchez, S.  1.5
Start and end dates for section 37996: 1/14  3/11

**EVENING CLASSES**

38013 MULT 115 J1 W  6:30  9:20  26-144 Kaitner, S.  1.5
Start and end dates for section 38013: 1/15  3/12

**MULT 170 DREAMWEAVER I**

Covers web page structure and web page creation using Dreamweaver, a popular professional web design tool. Students use the basic tools of Dreamweaver to examine, create, and edit web pages under different browser environments. Plus three lab hours by arrangement per week. **Recommended Preparation:** MÚLT 100 and 105 or equivalent. Credit/No Credit or letter grade option. (CSU)

37998 MULT 170 A1 F  9:10 12:00  27-102 Gahagen, A.  1.5
Start and end dates for section 37998: 1/17  3/14

**EVENING CLASSES**

38001 MULT 170 J1 T  6:30  9:20  27-102 Kaitner, S.  1.5
Start and end dates for section 38001: 1/14  3/11

**MULT 171 DREAMWEAVER II**

Continuation of MULT 170. Covers the advanced features of Dreamweaver. Students assemble web pages using text, graphics, and other media components. In addition, the course covers advanced linking technologies. Students build a small web site as part of the course. Plus three lab hours by arrangement per week. **Prerequisite:** MULT 170 or the equivalent. Credit/No Credit or letter grade option. (CSU)

38003 MULT 171 A2 F  9:10 12:00  27-102 Gahagen, A.  1.5
Start and end dates for section 38003: 3/21  5/16

**EVENING CLASSES**

38006 MULT 171 J2 T  6:30  9:20  27-102 Kaitner, S.  1.5
Start and end dates for section 38006: 3/18  5/20

**MULT 175 MULTIMEDIA GRAPHICS I**

Introduction to professional graphics applications such as Photoshop and Illustrator. Covers the basics of these software applications and the characteristics of various graphic file formats as applied to multimedia productions. Plus three lab hours by arrangement per week. **Prerequisite:** MULT 100 and 105 or the equivalent. Credit/No Credit or letter grade option. (CSU)

38010 MULT 175 A1 Th  9:10 12:00  27-102 Snell, L.  1.5
Start and end dates for section 38010: 1/16  3/13

**EVENING CLASSES**

38013 MULT 175 J1 W  6:30  9:20  26-144 Kaitner, S.  1.5
Start and end dates for section 38013: 1/15  3/12

**METEO ROLOGY**

**ELEMENTARY METEO ROLOGY**

Study of the atmosphere's structure, the earth's heat budget, cloud forms, wind and precipitation. (CSU/UC)

32569 MÉTE 100 AA MWF 11:10 12:00  11-130 Robinson, D.  3.0

**MÉTE 101 METEO ROLOGY LABORATORY**

Use of instruments, charts, and the Internet to observe and interpret weather phenomena. Plus one hour by arrangement per week. **Prerequisite:** concurrent enrollment in or completion of MÉTE 100. One or more field trips may be required. (CSU/UC)

36532 MÉTE 101 AA W 1:10  4:00  16-165 Robinson, D.  1.0
MULT 176 MULTIMEDIA GRAPHICS II
Continuation of MULT 175. Covers advanced multimedia and web design features of Photoshop and Illustrator, as well as workflow between the two applications. Plus three lab hours by arrangement per week. **Prerequisite:** MULT 175. Credit/No Credit or letter grade option. (CSU)

38015 MULT 176 A2 Th 9:10 12:00 27-102 Snell, L. 1.5 Start and end dates for section 38015: 3/20 5/15

**EVENING CLASSES**

38020 MULT 176 J2 W 6:30 9:20 26-144 Kaitner, S. 1.5 Start and end dates for section 38020: 3/19 5/21

MULT 180 DIGITAL VIDEO I
Digital audio and video technology is used on the internet in broadcasting, filmmaking, and commercial production. Introduces digital audio and video and its various uses. Focuses on Quick Time Pro as well as file formats, compression, and delivery. Plus three lab hours by arrangement per week. **Recommended Preparation:** MULT 100 and 105 or equivalent. Credit/No Credit or letter grade option. (CSU)

38022 MULT 180 A1 M 8:45 12:00 27-102 Rollins, C. 1.5 Start and end dates for section 38022: 1/13 3/10

MULT 181 DIGITAL VIDEO II
Continuation of MULT 180. Students expand their knowledge of digital audio by working with various audio applications. Students also work with Apple’s iMovie to gain a better understanding of digital video. Plus three lab hours by arrangement per week. **Prerequisite:** MULT 180 or equivalent. Credit/No Credit or letter grade option. (CSU)

38025 MULT 181 A2 M 9:10 12:00 27-102 Staff 1.5 Start and end dates for section 38025: 3/17 5/12

MULT 251 INTERACTIVE DESIGN I
Covers user interface design for a web site, interactive digital video, or interactive Flash production. Explores the various design elements that create a compelling intuitive user interface. Students design user interfaces for critique in class. **Recommended Preparation:** MULT 171 and 176 or equivalent. Credit/No Credit or letter grade option. (CSU)

38028 MULT 251 A1 W 3:10 6:00 26-144 Bennett, D. 1.5 Start and end dates for section 38028: 1/15 3/12

MULT 252 INTERACTIVE DESIGN II
Continuation of MULT 251. Explores navigation, emotional content, and “visual communication” elements to create an entertaining and informative user experience. Students design small interactive productions (web, digital video, Flash) for critique in class. **Prerequisite:** MULT 251 or equivalent. Credit/No Credit or letter grade option. (CSU)

38032 MULT 252 A2 W 3:10 6:00 26-144 Bennett, D. 1.5 Start and end dates for section 38032: 3/19 5/14

MULT 270 FLASH I
Introduces Macromedia Flash, which is used to create vector animations for use on the web. Covers basic animation principals, Flash fundamentals, and basic software functionality. Plus three lab hours by arrangement per week. **Recommended Preparation:** MULT 171 and 176 or equivalent. Credit/No Credit or letter grade option. (CSU)

38034 MULT 270 A1 W 9:10 12:00 27-102 Staff 1.5 Start and end dates for section 38034: 1/15 3/12

**EVENING CLASSES**

38036 MULT 270 J1 Th 6:30 9:20 27-102 Sanchez, N. 1.5 Start and end dates for section 38036: 1/16 3/13

MULT 271 FLASH II
Continuation of MULT 270. Covers the advanced features of Flash, such as interactivity and scripting. Plus three lab hours by arrangement per week. **Prerequisite:** MULT 270 or equivalent. Credit/No Credit or letter grade option. (CSU)

38038 MULT 271 A2 W 9:10 12:00 27-102 Staff 1.5 Start and end dates for section 38038: 3/19 5/14

**EVENING CLASSES**

38039 MULT 271 J2 Th 6:30 9:20 27-102 Sanchez, N. 1.5 Start and end dates for section 38039: 3/20 5/22

MULT 275 WEB WORKFLOW I
Covers how to create a smooth workflow using various professional software applications to build a web site and how to work between Photoshop, Illustrator, Fireworks, and Dreamweaver. Also includes basic web site project management techniques. Plus three lab hours by arrangement per week. **Recommended Preparation:** MULT 171 and 176 or equivalent. Credit/No Credit or letter grade option. (CSU)

38043 MULT 275 A1 T 3:10 6:00 19-107 Snell, L. 1.5 Start and end dates for section 38043: 1/14 3/11

MULT 275 WEB WORKFLOW II
Covers how to create a smooth workflow using various professional software applications to build a web site and how to work between Photoshop, Illustrator, Fireworks, and Dreamweaver. Also includes basic web site project management techniques. Plus three lab hours by arrangement per week. **Recommended Preparation:** MULT 171 and 176 or equivalent. Credit/No Credit or letter grade option. (CSU)

38056 MULT 276 A2 T 3:10 6:00 19-107 Snell, L. 1.5 Start and end dates for section 38056: 3/18 5/13

MULT 280 AFTER EFFECTS I
Introduces the student to Adobe After Effects. After Effects is a 2D motion graphics application used to create animations using digital audio, video, still images, and other media. Students learn basic animation principals. After Effects fundamentals, and software functionality. Plus three lab hours by arrangement per week. **Recommended Preparation:** MULT 181 or equivalent. Credit/No Credit or letter grade option. (CSU)

38060 MULT 280 SL S 9:00 12:15 26-142 Whitney, S. 1.5 Start and end dates for section 38060: 1/25 3/15

MULT 281 AFTER EFFECTS II
Continuation of MULT 280. **Prerequisite:** MULT 280 or equivalent. Plus three lab hours by arrangement per week. Credit/No Credit or letter grade option. (CSU)

38064 MULT 281 S2 S 9:00 11:50 26-142 Whitney, S. 1.5 Start and end dates for section 38064: 3/22 5/17

MULT 302 MULTIMEDIA SCANNING AND DIGITIZING
Covers how to capture various types of media for use in print, web design, and motion graphics. Also covers how to record and digitize audio, shoot and digitize video, and scan printed materials for use in various projects. Includes how to re-purpose media for use in different projects. Plus three lab hours by arrangement per week. **Recommended Preparation:** MULT 280 and 171; OR MULT 181 and TA&G 141 or GRA 121; OR the equivalent. Credit/No Credit or letter grade option. (CSU)

38057 MULT 302 A2 Th 12:10 3:00 27-102 Sanchez, S. 1.5 Start and end dates for section 38057: 3/20 5/15

MULT 381 MULTIMEDIA STORYTELLING I
Exploreslinear multimedia storytelling using digital video, animation, music, voiceover, and still images. Students design short linear productions for critique in class. Plus three lab hours by arrangement per week. **Recommended Preparation:** MULT 280 or equivalent. Credit/No Credit or letter grade option. (CSU)

38083 MULT 381 A2 W 9:10 12:00 27-102 Staff 1.5 Start and end dates for section 38083: 3/19 5/14

**SATURDAY CLASSES**

38060 MULT 280 SL S 9:00 12:15 26-142 Whitney, S. 1.5 Start and end dates for section 38060: 1/25 3/15

**SATURDAY CLASSES**

38064 MULT 281 S2 S 9:00 11:50 26-142 Whitney, S. 1.5 Start and end dates for section 38064: 3/22 5/17

**M A R K E T P L A N N I N G I**
Continuation of MULT 280. **Prerequisite:** MULT 280 or equivalent. Plus three lab hours by arrangement per week. Credit/No Credit or letter grade option. (CSU)

38057 MULT 302 A2 Th 12:10 3:00 27-102 Sanchez, S. 1.5 Start and end dates for section 38057: 3/20 5/15

**M U L T 3 1 2 D I G I T A L A U D I O AND M U L T I M E D I A D S I G N I N G I**
Explores how to capture various types of media for use in print, web design, and motion graphics. Also covers how to record and digitize audio, shoot and digitize video, and scan printed materials for use in various projects. Includes how to re-purpose media for use in different projects. Plus three lab hours by arrangement per week. **Recommended Preparation:** MULT 280 and 171; OR MULT 181 and TA&G 141 or GRA 121; OR the equivalent. Credit/No Credit or letter grade option. (CSU)

38057 MULT 302 A2 Th 12:10 3:00 27-102 Sanchez, S. 1.5 Start and end dates for section 38057: 3/20 5/15

**M U L T 3 8 1 M U L T I M E D I A S T O R Y T E L L I N G I**
Explores linear multimedia storytelling using digital video, animation, music, voiceover, and still images. Students design short linear productions for critique in class. Plus three lab hours by arrangement per week. **Recommended Preparation:** MULT 280 or equivalent. Credit/No Credit or letter grade option. (CSU)

38083 MULT 381 A2 W 9:10 12:00 27-102 Staff 1.5 Start and end dates for section 38083: 3/19 5/14

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
### EVENING CLASSES

<table>
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<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
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### MULT 382 MULTIMEDIA STORYTELLING II
Continuation of MULT 381. Explores visual communication techniques, emotional content, and basic story telling. Students design short linear productions for critique in class. Plus three lab hours by arrangement per week. **Prerequisite:** MULT 381 or equivalent. Credit/No Credit or letter grade option. (CSU)

### EVENING CLASSES

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### MULT 385 DIGITAL VIDEO WORKFLOW I
Covers how to create a smooth digital video workflow using QuickTime Pro, Photoshop, Final Cut Pro, After Effects, and BIAS Peak. Students create small projects to learn workflow principles. Plus three lab hours by arrangement per week. **Recommended Preparation:** MULT 281 and T&G 141 or GRA 121 or equivalent. Credit/No Credit or letter grade option. (CSU)

### MULT 386 DIGITAL VIDEO WORKFLOW II
Continuation of MULT 385. In addition to QuickTime Pro, Photoshop Final Cut Pro, After Effects and BIAS Peak, student work with Cleaner EZ to prepare digital video productions for web use. Plus three lab hours by arrangement per week. **Prerequisite:** MULT 385 or equivalent. Credit/No Credit or letter grade option. (CSU)

### MULT 390 MULTIMEDIA DESIGN STUDIO I
The first of two capstone courses to the Multimedia program. Students will create multimedia projects using production and design techniques learned in previous courses. Students will handle all aspects of design projects including project planning, graphics, animations, web page creation and/or final output to other media. Plus four plus lab hours by arrangement per week. **Prerequisite:** MULT 276, MULT 252, and MULT 271; or MULT 382 and MULT 386, or the equivalent. Credit/No Credit or letter grade option. (CSU)

### MULT 391 MULTIMEDIA DESIGN STUDIO II
Continuation of MULT 390. Students create multimedia projects using production and design techniques covered in previous courses. Students are given "real" projects and work directly with a client. Students get hands-on experience in client interviewing and client management to produce multimedia projects. Plus four lab hours by arrangement per week. **Prerequisite:** MULT 390 or equivalent. Credit/No Credit or letter grade option. (CSU)

### MULT 680 DVD AUTHORING I
This advanced class will introduce the student to basic DVD principles such as encoding, logical formats, physical formats, and capabilities. Students will work with Apple iDVD to learn basic DVD production.

### EVENING AND SATURDAY CLASSES

<table>
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<th>Course Ref.</th>
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<td>27-102</td>
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### MULT 681 DVD AUTHORING II
This is a continuation of DVD Authoring I. Students will work with Apple DVD Studio Pro to learn advanced DVD production including multiple audio and video streams, animated menus, viewer navigation, and slideshows.

### EVENING AND SATURDAY CLASSES

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<td>36480 MULT 683 A2</td>
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<td>9:10-12:00</td>
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<td>37683 MULT 685 J1</td>
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### MULT 682 FLASH III
This advanced Flash class focuses on dynamic content design and development using ActionScript, clip events, and Smart Clips. Also emphasizes production design and visual storytelling. (CSU)

### MULT 683 FLASH IV
This advanced Flash class focuses on dynamic interface creation using Flash content with HTML, QuickTime, and RealPlayer files. Also covers interface and content design for Internet devices such as handheld computers. (CSU)

### MULT 684 MULTIMEDIA PORTFOLIO DESIGN
This advanced class will expose students to various ways of creating a web design portfolio or digital video demo reel. Students will design several versions of their portfolio or demo reel and choose the one that best displays their work.

### MULT 685 DVD DESIGN I
DVD Design I is for students who have their DVD authoring skills but want to learn about DVD design. Students will analyze and deconstruct the production values that create a compelling, entertaining DVD. Students will cover Aglook and feel,Html, attitude, style, composition, emotional content, navigation, target audience, and call to action among other production values.

### EVENING CLASSES

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<td>27-102</td>
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### MULT 686 DVD DESIGN II
DVD Design II is a continuation of DVD Design I. This class will focus on DVD interface and navigation design. Other high level features such as title screens, multi-channel audio, transitional animations, Flash integration and workflow will be covered.

### EVENING CLASSES

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### MULT 687 MAC OS
This hands-on class will introduce students to the latest version of the Mac OS. Students will learn basic Macintosh computer skills including launching and quitting applications, managing files and folders, and system configuration. Students will be also introduced to some of Apple's multimedia software applications including iMovie, iPhoto, iTunes, and iTools as well as a web browser and e-mail.

### EVENING AND SATURDAY CLASSES

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(CSU) Transferable to California State Universities
(UC) Transferable to University of California, (*) With limitations

Multimedia courses continued on next page
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<tr>
<th>Course Ref. No.</th>
<th>Course Code</th>
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**MUSIC**

**MUS. 100 FUNDAMENTALS OF MUSIC**
Learn how to read music and perform it at sight. Recommended for beginning students. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)

- 30592 MUS. 100 AA MWF 8:10 9:00 2-203 Johnson, K. 3.0
- 32591 MUS. 100 AB TTh 8:10 9:25 2-202 Gustavson, C. 3.0
- 32593 MUS. 100 AC MWF 9:10 10:00 2-203 Cotton, I. 3.0
- 38233 MUS. 100 AD TTh 9:45 11:00 2-203 Johnson, K. 3.0
- 32595 MUS. 100 AE MWF 10:10 11:00 2-203 Cotton, I. 3.0
- 32592 MUS. 100 AF TTh 11:10 12:25 2-203 Johnson, K. 3.0

**MUS. 101 MUSICIANSHIP I**
Study of notation, keys, intervals, sight/singing and dictation. **Prerequisite:** MUS. 100 or equivalent. **Corequisite:** concurrent enrollment in MUS. 131. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)

- 32596 MUS. 101 AA MWF 10:10 11:00 2-202 Gustavson, C. 3.0

**MUS. 102 MUSICIANSHIP II**
Continuation and advanced study of topics introduced in MUS. 101. **Prerequisite:** MUS. 101 or equivalent. **Corequisite:** concurrent enrollment in MUS. 132. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)

- 32597 MUS. 102 AX TTh 9:45 11:00 2-202 Gustavson, C. 3.0

**MUS. 103 MUSICIANSHIP III**
Continuation of MUS. 102. **Prerequisite:** MUS. 102 or equivalent. **Corequisite:** concurrent enrollment in MUS. 133. (CSU/UC)

- 32598 MUS. 103 AX TTh 9:45 11:00 2-202 Gustavson, C. 3.0

**MUS. 104 MUSICIANSHIP IV**
Continuation of MUS. 103. **Prerequisite:** MUS. 103. **Corequisite:** concurrent enrollment in MUS. 134. (CSU/UC)

- 32599 MUS. 104 AX TTh 9:45 11:00 2-202 Gustavson, C. 3.0

**MUS. 131 HARMONY I**
Principles of scale, mode and intervals; triadic harmony; analysis and creative exercises. **Prerequisite:** MUS. 100 or equivalent. **Corequisite:** concurrent enrollment in MUS. 101. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)

- 32600 MUS. 131 AA MWF 9:10 10:00 2-202 Gustavson, C. 3.0

**MUS. 132 HARMONY II**
Continuation and advanced study of topics introduced in MUS. 131. **Prerequisite:** MUS. 131. **Corequisite:** concurrent enrollment in MUS. 132.

- 32601 MUS. 132 AX MWF 8:10 9:00 2-202 Gustavson, C. 3.0

**MUS. 133 HARMONY III**
Continuation of the study of tonal and formal procedures. **Prerequisite:** MUS. 132. **Corequisite:** concurrent enrollment in MUS. 103. (CSU/UC)

- 32602 MUS. 133 AX MWF 8:10 9:00 2-202 Gustavson, C. 3.0

**MUS. 134 HARMONY IV**
Continuation of MUS. 133. **Prerequisite:** MUS. 133. **Corequisite:** concurrent enrollment in MUS. 104. (CSU/UC)

- 32603 MUS. 134 AX MWF 8:10 9:00 2-202 Gustavson, C. 3.0

**MUS. 202 MUSIC LISTENING AND ENJOYMENT**
Survey of the music of Western Civilization. Enhances enjoyment and appreciation of the world’s great music. No musical experience required. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)

- 32604 MUS. 202 AA MWF 10:10 11:00 2-141 Ochoa, R. 3.0
- 33953 MUS. 202 AB MWF 11:10 12:00 2-202 Cotton, I. 3.0

**MUS. 275 HISTORY OF JAZZ**
Jazz since 1900. Emphasizes styles and trends. Attendance required at four jazz performances. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC)

- 32606 MUS. 275 AA MWF 11:10 12:00 2-141 Berry, F. 3.0

**MUS. 301 PIANO I**
Elementary piano instruction. Individual attention, assignments, and performance in a class situation. Designed for those with no previous piano playing experience. Plus two individual practice hours per week. **(CSU/UC)**

- 32608 MUS. 301 AA MWF 9:10 10:00 2-100 Berry, F. 1.0
- 32943 MUS. 301 AB TTh 9:45 11:00 2-100 Hoffman, S. 1.0
- 32609 MUS. 301 AC MWF 10:10 11:00 2-100 Berry, F. 1.0

**MUS. 302 PIANO II**
Continuation of MUS. 301 with performance in a class situation. Plus two individual practice hours per week. **Prerequisite:** MUS. 301 or equivalent. **(CSU/UC)**

- 32610 MUS. 302 AA TTh 8:10 9:25 2-100 Hoffman, S. 1.0

**MUS. 303 PIANO III**
Continuation of MUS. 302. Plus two individual practice hours per week. **Prerequisite:** MUS. 302 or equivalent. **(CSU/UC)**

- 32611 MUS. 303 AX W 4:05 5:55 2-100 Jackson, J. 1.0

**MUS. 304 PIANO IV**
Continuation of MUS. 303. Plus two individual practice hours per week. **Prerequisite:** MUS. 303 or equivalent. May be taken four times for a maximum of 4 units. **(CSU/UC)**

- 32612 MUS. 304 AX W 4:05 5:55 2-100 Jackson, J. 1.0

**MUS. 371 GUITAR I**
Techniques of guitar performance and reading music. Plus two individual practice hours per week. Students must supply their own instruments. **(CSU/UC)**

**EVENING CLASSES**
- 32614 MUS. 371 JX Th 7:00 9:50 2-100 Ferguson, C. 1.0

*An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).*
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<tr>
<td><em>Continuation of MUS. 371 with emphasis on solo performance. Plus two individual practice hours per week. Students must supply their own instruments.</em></td>
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<tr>
<td><strong>Prerequisite:</strong> MUS. 371. (CSU/UC*)</td>
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<td><strong>EVENING CLASSES</strong></td>
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<tr>
<td>32615 MUS. 372 JX</td>
<td>Th</td>
<td>7:00:00</td>
<td>9:50:00</td>
<td>2-100</td>
<td>Ferguson, C.</td>
<td>1.0</td>
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<tr>
<td><strong>MUS. 373 GUITAR III</strong></td>
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<tr>
<td><em>Continuation of MUS. 372 with emphasis on solo performances. Plus two individual practice hours per week. Students must supply their own instruments.</em></td>
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<tr>
<td><strong>Prerequisite:</strong> MUS. 372. (CSU/UC*)</td>
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<td><strong>EVENING CLASSES</strong></td>
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<tr>
<td>33949 MUS. 373 JX</td>
<td>Th</td>
<td>7:00:00</td>
<td>9:50:00</td>
<td>2-100</td>
<td>Ferguson, C.</td>
<td>1.0</td>
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<tr>
<td><strong>MUS. 401 VOICE I</strong></td>
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<tr>
<td><em>Elementary vocal instruction through exercises and singing in class. Plus two practice room hours per week. (CSU/UC</em>)*</td>
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<tr>
<td>32944 MUS. 401 AA</td>
<td>TTh</td>
<td>9:45:00</td>
<td>11:00</td>
<td>2-141</td>
<td>Baker, B.</td>
<td>1.0</td>
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<tr>
<td><strong>MUS. 402 VOICE II</strong></td>
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<tr>
<td><em>Intermediate vocal instruction through exercises and singing in class. Plus two practice room hours per week. <strong>Prerequisite:</strong> MUS. 401 or equivalent. (CSU/UC</em>)*</td>
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<tr>
<td>32616 MUS. 402 AX</td>
<td>TTh</td>
<td>11:10:00</td>
<td>2:15:00</td>
<td>2-141</td>
<td>Baker, B.</td>
<td>1.0</td>
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<tr>
<td><strong>MUS. 403 VOICE III</strong></td>
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<tr>
<td><em>Advanced songs and recital performance as ability merits. Plus two practice room hours per week. <strong>Prerequisite:</strong> MUS. 402 or equivalent. (CSU/UC</em>)*</td>
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<tr>
<td>32617 MUS. 403 AX</td>
<td>TTh</td>
<td>11:10:00</td>
<td>12:25:00</td>
<td>2-141</td>
<td>Baker, B.</td>
<td>1.0</td>
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<tr>
<td><strong>MUS. 404 VOICE IV</strong></td>
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<tr>
<td><em>Advanced songs and recital performance as ability merits. Plus two practice room hours per week. <strong>Prerequisite:</strong> MUS. 403 or equivalent. May be taken four times for a maximum of 4 units. (CSU/UC</em>)*</td>
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<tr>
<td>32945 MUS. 404 AX</td>
<td>TTh</td>
<td>11:10:00</td>
<td>12:25:00</td>
<td>2-141</td>
<td>Baker, B.</td>
<td>1.0</td>
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<tr>
<td><strong>MUS. 451 JAZZ WORKSHOP</strong></td>
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<tr>
<td><em>Workshop in jazz interpretation and style. Ensemble experience from &quot;blues&quot; to present-day jazz. Credit/No Credit or letter grade option. May be taken four times for a maximum of 4 units. (CSU/UC</em>)*</td>
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<tr>
<td>32618 MUS. 451 JA</td>
<td>W</td>
<td>7:00:00</td>
<td>9:50:00</td>
<td>2-100</td>
<td>Galisatus, M.</td>
<td>1.0</td>
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<tr>
<td><strong>MUS. 452 REPETRORY JAZZ BAND</strong></td>
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<td><em>Evening jazz ensemble for the experienced musician. Emphasizes advanced improvisational techniques. <strong>Prerequisite:</strong> demonstration of proficiency in advanced reading and interpretation of jazz styles. Performance required. May be taken four times for a maximum of 4 units. (CSU/UC</em>)*</td>
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<tr>
<td>32935 MUS. 452 JA@ M</td>
<td>W</td>
<td>7:00:00</td>
<td>10:05:00</td>
<td>2-100</td>
<td>Galisatus, M.</td>
<td>1.0</td>
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<tr>
<td><strong>MUS. 453 JAZZ BAND</strong></td>
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<td><em>All phases of jazz performance, starting with beginner ensemble to advanced improvisational techniques. Performance required. <strong>Prerequisite:</strong> MUS. 371 and 372 or equivalent. May be taken four times for a maximum of 8 units. (CSU/UC</em>)*</td>
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<td>32942 MUS. 453 AA@ MWF</td>
<td>12:10:00</td>
<td>1:00:00</td>
<td>2-100</td>
<td>Berry, F.</td>
<td>2.0</td>
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<tr>
<td>35751 MUS. 470 AA@ MWF</td>
<td>12:10:00</td>
<td>1:00:00</td>
<td>2-141</td>
<td>Ochoa, R.</td>
<td>1.0</td>
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<tr>
<td><strong>MUS. 680 MASTERWORKS CHORALE: MUSIC OF CELEBRATION</strong></td>
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<td>The study, rehearsal and performance of Glorias of different cultures. Music rehearsed and performed will include Rutter's &quot;Gloria&quot; with full brass ensemble. Second half of the semester will explore American rhythm through Bernstein's &quot;Chichester Psalms,&quot; and the music of Copland, spirituals, and Gershwin. Performance required.</td>
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<td><strong>EVENING CLASSES</strong></td>
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<tr>
<td>32619 MUS. 680 JA</td>
<td>M</td>
<td>7:00:00</td>
<td>10:05:00</td>
<td>2-141</td>
<td>Baker, B.</td>
<td>1.0</td>
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<td><strong>MUS. 690 SPECIAL PROJECTS</strong></td>
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<tr>
<td>Independent study in specific field or topic. Requires approval of Division Dean; Bldg.15, Room 157. Register after the first week of classes. <strong>Prerequisite:</strong> 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)</td>
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<tr>
<td>32624 MUS. 690 AA</td>
<td>By Arr</td>
<td>2.0 Hrs/Wk</td>
<td>15-157</td>
<td>Avelar, L.</td>
<td>2.0</td>
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<tr>
<td>32625 MUS. 690 BB</td>
<td>By Arr</td>
<td>1.0 Hrs/Wk</td>
<td>15-157</td>
<td>Avelar, L.</td>
<td>1.0</td>
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<tr>
<td><strong>MUS. 800 COMPUTER-ASSISTED INSTRUCTION IN MUSIC</strong></td>
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<td>Designed primarily for students enrolled in MUS. 100, 101, 102, 103, 104, 131, 132, 133, or 134, to improve their skills in music theory and musicianship through Computer-Assisted Instruction in Music. No previous computer experience required. To increase competency, may be taken four times for a maximum of 2 units.</td>
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<tr>
<td>34834 MUS. 800 AA</td>
<td>By Arr</td>
<td>1.5 Hrs/Wk</td>
<td>2-208</td>
<td>Bobrowski, C.</td>
<td>5.0</td>
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<td><strong>MUS. 290 INTRODUCTION TO MIDI (MUSICAL INSTRUMENT DIGITAL INTERFACE) MUSIC</strong></td>
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<td>Introductory course in the use and implementation of MIDI (Musical Instrument Digital Interface) musical instruments, including interfacing with computers and MIDI software. Ability to read music is desirable but not essential. (CSU)</td>
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<td>33948 MUS. 290 AA</td>
<td>T</td>
<td>11:10:00</td>
<td>1:00:00</td>
<td>2-208</td>
<td>Bobrowski, C.</td>
<td>3.0</td>
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<td><strong>EVENING CLASSES</strong></td>
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<tr>
<td>37580 MUS. 290 JA</td>
<td>M</td>
<td>6:00:00</td>
<td>8:05:00</td>
<td>2-203</td>
<td>Bobrowski, C.</td>
<td>3.0</td>
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<td>W</td>
<td>6:00:00</td>
<td>8:50:00</td>
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<tr>
<td><strong>MUS. 291 MIDI (MUSICAL INSTRUMENT DIGITAL INTERFACE) HARDWARE AND SOFTWARE SEQUENCING</strong></td>
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<tr>
<td>Advanced MIDI application course focusing on the uses of MIDI in music composition, music production, and multi-media. MIDI applications include MIDI sequencing programs for both the Macintosh and IBM platforms and music printing software. <strong>Prerequisite:</strong> MUS. 290. Credit/No Credit or letter grade option. May be taken twice for a total of 4 units. (CSU)</td>
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<tr>
<td>33949 MUS. 291 AA</td>
<td>M</td>
<td>2:10:00</td>
<td>4:00:00</td>
<td>2-202</td>
<td>Bobrowski, C.</td>
<td>2.0</td>
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<tr>
<td>W</td>
<td>2:10:00</td>
<td>4:00:00</td>
<td>2-109</td>
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</table>

(CSU) Transferable to California State Universities
(UC) Transferable to University of California, (*) With limitations
MUS. 293 AUDIO FOR VISUAL MEDIA
Production and synchronization of music, sound effects, and voice-overs for film and video. Study and use of various time codes, including SMPTE and MTC. Arranging, orchestrating, and composing for visuals using MIDI instruments, computer-based sequencing, and multi-track tape recording techniques. Prerequisite: MUS. 291 or equivalent. Credit/No Credit or letter grade option. (CSU)

35468 MUS. 293 AA  T 1:10 3:00 2-202 Bobrowski, C. 2.5

NURSING

NURS 221 PEDIATRIC NURSING
Growth and development of the child and family; emphasis on nursing care of infants, children, and adolescents. Plus two hours by arrangement per week. Prerequisite: NURS 212 with a grade of C or higher. Corequisite: concurrent enrollment in NURS 225. (CSU)

33069 NURS 221 AX  M-Th 12:10 2:30 23-173 Smith, E. 4.5
TW 2:00 7:50 HS
Start and end dates for section 33069: 1/13 3/13

33073 NURS 221 BX  M-Th 12:10 2:30 23-173 Smith, E. 4.5
S 7:00 7:00 HS
Start and end dates for section 33073: 1/13 3/15

33076 NURS 221 CX  M-Th 12:10 2:30 23-173 Smith, E. 4.5
TW 2:00 7:50 HS
Start and end dates for section 33076: 3/17 5/15

37575 NURS 221 DX  M-Th 12:10 2:30 23-173 Smith, E. 4.5
S 7:00 7:00 HS
Start and end dates for section 37575: 3/17 5/17

NURS 222 MATERNITY NURSING
Nursing care related to total maternity cycle. Plus two hours by arrangement per week. Prerequisite: NURS 212 with a grade of C or higher. Corequisite: concurrent enrollment in NURS 225. (CSU)

32628 NURS 222 AX  M 12:10 2:30 11-033 McAteer, J. 4.5
Th 2:10 4:30 11-033
By Arr 2.0 Hrs/Wk
Start and end dates for section 32628: 1/13 3/13

33078 NURS 222 BX  M 12:10 2:30 11-033 McAteer, J. 4.5
Th 2:10 4:30 11-033
TW 8:00 2:00 HS
Start and end dates for section 33078: 3/17 5/15

33079 NURS 222 CX  M-Th 12:10 2:30 11-033 McAteer, J. 4.5
TW 7:00 1:00 HS
Start and end dates for section 33079: 1/13 3/13

37980 NURS 222 DX  M-Th 12:10 2:30 11-033 McAteer, J. 4.5
TW 8:00 2:00 HS
Start and end dates for section 37980: 1/13 3/13

NURS 225 NURSING SKILLS LAB II
Provides for nursing skill development and competency testing for skills identified for concurrent nursing courses. Extra supplies may be required. Prerequisite: NURS 212 or equivalent with a grade of C or higher. Corequisite: concurrent enrollment in NURS 221 and 222. Credit/No Credit grading.

34585 NURS 225 AA  M 10:30 11:50 23-174 Smith, E. .5
34586 NURS 225 AB  Th 9:10 10:25 23-174 McAteer, J. .5
37988 NURS 225 AC  Th 10:35 11:55 23-174 McAteer, J. .5
38212 NURS 225 AD  Th 2:40 3:55 23-174 Smith, E. .5

NURS 241 ADVANCED MEDICAL/SURGICAL NURSING
Theory and clinical experience in the care of adults experiencing serious illnesses. Plus two hours by arrangement per week. Prerequisite: NURS 232 with a grade of C or higher. Corequisite: concurrent enrollment in NURS 245. (CSU)

32629 NURS 241 AX  M-Th 12:10 2:25 11-133 Isaeff, T. 5.0
TW 7:00 11:30 HS
TW 12:00 2:50 HS
Start and end dates for section 32629: 1/13 5/13

33080 NURS 241 BX  M-Th 12:10 2:25 11-133 Isaeff, T. 5.0
TW 7:00 11:30 HS
TW 12:00 2:50 HS
Start and end dates for section 33080: 1/13 3/13

33081 NURS 241 CX  M-Th 12:10 2:25 11-133 Isaeff, T. 5.0
TW 7:00 11:30 HS
TW 12:10 2:25 HS
Start and end dates for section 33081: 1/13 3/13

33082 NURS 241 DX  M-Th 12:10 2:25 11-133 Isaeff, T. 5.0
TW 7:00 11:30 HS
TW 12:10 2:25
Start and end dates for section 33082: 1/13 3/13

NURS 242 LEADERSHIP/MANAGEMENT IN NURSING
Theory and clinical experience in the care of adults experiencing serious illnesses. Includes determination of priorities, decision making and personal accountability. Plus two hours by arrangement per week. Prerequisite: NURS 241 with a grade of C or higher. Corequisite: concurrent enrollment in NURS 245. (CSU)

32630 NURS 242 AX  M-Th 12:10 2:25 11-133 Ryan, J. 5.0
TW 7:00 11:30 HS
TW 12:00 2:50 HS
Start and end dates for section 32630: 3/17 5/15

33083 NURS 242 BX  M-Th 12:10 2:25 11-133 Ryan, J. 5.0
TW 7:00 11:30 HS
TW 12:00 2:50 HS
Start and end dates for section 33083: 3/17 5/15

33084 NURS 242 CX  M-Th 12:10 2:25 11-133 Ryan, J. 5.0
TW 7:00 11:30 HS
TW 12:00 2:50 HS
Start and end dates for section 33084: 3/17 5/15

33085 NURS 242 DX  M-Th 12:10 2:25 11-133 Ryan, J. 5.0
TW 7:00 11:30 HS
TW 12:00 2:50 HS
Start and end dates for section 33085: 3/17 5/15

NURS 245 NURSING SKILLS LAB IV
Provides for nursing skill development and competency testing for skills identified for concurrent nursing courses. Extra supplies may be required. Prerequisite: NURS 232 or equivalent with a grade of C or higher. Corequisite: concurrent enrollment in NURS 241 and 242. Credit/No Credit grading.

34587 NURS 245 AA  M 10:30 11:50 23-173 Isaeff, T. .5
34588 NURS 245 AB  Th 9:00 10:20 23-173 Isaeff, T. .5
38000 NURS 245 AC  Th 10:30 11:50 23-173 Ryan, J. .5

NURS 261 PERIOPERATIVE NURSING
Provides the theoretical framework of perioperative nursing, focusing on principles of the entry-level knowledge required for a beginning-level practitioner. Intended to be taken in conjunction with NURS 262, the clinical preceptorship. Prerequisite: current RN license or acceptance into the course by the Nursing Department. Recommended Preparation: one year of recent clinical experience in nursing. (CSU)

38790 NURS 261 A1  W 8:00 3:00 HS Greeley/Maguire 6.0
Start and end dates for section 38790: 1/22 4/30

NURS 262 PERIOPERATIVE NURSING PRECEPTORSHIP
Covers the application of learned concepts of perioperative nursing in an operating room. Students work under the supervision of a preceptor to acquire skills required to work in the operating room. Intended to be taken in conjunction with NURS 261. Prerequisite: current RN license

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 I/ART 202 I).
or acceptance into the course by the Nursing Department. Recommended Preparation: one year of recent clinical experience in nursing. Credit/No Credit grading. (CSU)

38791 NURS 262 A1 MThF  7:00  3:00  HS  Gallagher, R.  9.0  
Start and end dates for section 38791:  1/21  5/02

NURS 666 CAREERS IN NURSING

This course provides an overview of nursing roles, educational requirements, responsibilities, job opportunities and settings for nursing practice. The course is designed for potential nursing majors and non-nursing majors. Students are required to attend both Saturday and Sunday classes. Credit/No Credit grading. (CSU)

SATURDAY/SUNDAY CLASSES
34589 NURS 666 S1 S/S  9:00  5:00  23-173  Isaeff/Ryan  1.0  
Start and end dates for section 34589:  2/1  3/26
38475 NURS 666 U1 S/S  7:00  5:00  22-140  Isaeff/Ryan  1.0  
Start and end dates for section 38475:  2/1  3/26

NURS 690 SPECIAL PROJECTS

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 11, Room 136. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

33184 NURS 690 AA By Arr  2.0 Hrs/Wk  11-136  Kowerski, R.  2.0  
33185 NURS 690 BB By Arr  1.0 Hrs/Wk  11-136  Kowerski, R.  1.0

NURS 845 REVIEW: REGISTERED NURSE EXAM

Assists senior-level nursing students to prepare for Nursing State Board examination through the use of a computer program. Plus two hours by arrangement per week. Prerequisite: concurrent enrollment in NURS 241 or equivalent OR eligibility to take the State Board Exam. Credit/No Credit grading.

37100 NURS 845 A2 M  8:30  10:20  23-173  Ryan, J.  0.5  
Start and end dates for section 37100:  3/31  5/16

OCEANOGRAPHY

Waves, beaches, currents, sea environments, life and nature of water, moving plates and the birth and destruction of oceans. Two field trips. Plus one hour by arrangement per week. (CSU/UC)

32636 Ocen 100 AX TTh  11:10  12:00  18-076  Marymont, R.  3.0  
T  9:10  10:00  12-170
33193 Ocen 100 BX TTh  11:10  12:00  18-076  Marymont, R.  3.0  
T  10:10  11:00  12-170
33197 Ocen 100 CX TTh  11:10  12:00  18-076  Marymont, R.  3.0  
T  12:10  1:00  12-170
33199 Ocen 100 DX TTh  11:10  12:00  18-076  Marymont, R.  3.0  
T  1:00  12:00  12-170

EVENING CLASSES
34746 Ocen 100 JA T  6:30  9:20  11-130  Galloway, J.  3.0  

OCEAN 101 OCEANOGRAPHY LABORATORY/FIELD STUDY

Lab exercises in ocean currents, sedimentation, marine life forms, and physical and chemical properties of sea water. Field trips. Plus one hour by arrangement per week. Prerequisite: completion of or concurrent enrollment in Ocen 100. (CSU/UC)

32640 Ocen 101 AB Th  1:10  4:00  12-170  Marymont, R.  1.0  

EVENING CLASSES
34747 Ocen 101 JA Th  6:30  9:20  12-170  Galloway, J.  1.0  

OCEAN 690 SPECIAL PROJECTS

Independent study in a specific field or topic. Requires approval of (CSU) Transferable to California State Universities (UC) Transferable to University of California, (*) With limitations

Division Dean; Bldg. 11, Room 136. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

33187 Ocen 690 AA By Arr  2.0 Hrs/Wk  11-136  Kowerski, R.  2.0  
33188 Ocen 690 BB By Arr  1.0 Hrs/Wk  11-136  Kowerski, R.  1.0

PHILOSOPHY

PHIL 100 INTRODUCTION TO PHILOSOPHY

An introductory survey of philosophical questions and points of view from classical and contemporary perspectives. Recommended Preparation: eligibility for ENGL 800 or 836. (CSU/UC) (CAN PHIL 2)

36074 PHIL 100 100 TTh  11:10  12:25  18-292  Ball, J.  3.0  
32644 PHIL 100 AA MWF  8:10  9:00  14-100  Danielson, D.  3.0  
32957 PHIL 100 AB MWF  10:10  11:00  14-100  Danielson, D.  3.0  
36018 PHIL 100 AC MWF  11:10  12:20  18-292  Ball, J.  3.0

PHIL 103 CRITICAL THINKING

Provides techniques for analyzing arguments used in political rhetoric, advertisements, editorials, scientific claims, and social commentary. Develops the ability to create and refine written arguments. Includes inductive and deductive arguments, the validity and consistency of arguments, the relationship between evidence and conclusions, and the use of arguments in science. Recommended Preparation: ENGL 100. (CSU/UC)

37577 PHIL 103 AA TTh  9:45  11:00  18-293  Ball, J.  3.0

PHIL 244 CONTEMPORARY SOCIAL AND MORAL ISSUES

Analysis of contemporary moral issues including abortion, euthanasia, business ethics, punishment, drug use, war and terrorism. Recommended Preparation: eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

32647 PHIL 244 AB TTh  8:10  9:25  14-118  Danielson, D.  3.0
*PHIL 244 AB must be taken as part of the Learning Community: THE AMERICAN DREAM: FACTS AND FICTION. See page 64.

PHIL 246 ETHICS IN AMERICA

TELECOURSE: Examines contemporary ethical conflicts in journalism, government, medicine, law, business, and the criminal justice system. Course provides a grounding in the language, concepts, and traditions of ethics. Recommended Preparation: eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC) (CAN PHIL 4)

TV CLASSES
32649 PHIL 246 TV See pages 98-102 TV-CRS Ball, J.  3.0

PHIL 300 INTRODUCTION TO WORLD RELIGIONS

Survey of major contemporary Eastern and Western religions. Includes theories, practices, history, and leaders of each religion studied. Emphasizes the similarities behind the differences between various religions. Recommended Preparation: eligibility for ENGL 100. Credit/No Credit or letter grade option. (CSU/UC)

35026 PHIL 300 AA TTh  11:10  12:25  14-100  Staff  3.0

EVENING CLASSES
36651 PHIL 300 JA Th  6:30  9:20  14-100  Staff  3.0

PHIL 320 ASIAN PHILOSOPHY

Survey of ideas and issues that traditionally concern philosophic minds. Emphasizes doing philosophy as a means of understanding it. Critical evaluation of such philosophical topics as values and ethics, logic, political ideologies, human existence, science and religion, cosmology, and knowledge. Recommended Preparation: eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

37581 PHIL 320 AA TTh  9:45  11:00  14-100  Young, F.  3.0
PHIL 690 SPECIAL PROJECTS
Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 169. Register after the first two weeks of classes. Prerequisite: 3.0 GPA in subject field and completion of at least two college-level courses in subject field. (CSU)

ADAP 160 ADVANCED ADAPTED WEIGHT TRAINING
Designed for students who have already completed an adapted weight training class and are able to perform lifts independently. Includes various weight lifting techniques and exercises to enhance the student's physical preparation for the workplace. An individualized exercise program includes: circuit weight training, whole body movement lifts, lower back and stomach isolation exercises, and stretching techniques. Plus one lab hour by arrangement per week. Recommended Preparation: recent physical examination and disability verification. Credit/No Credit grading. Part of the Workplace Wellness Program to help prepare students to return to the workplace. (CSU)

ADAP 165 ADAPTED LIFELONG FITNESS
Designed to increase student's personal fitness through a comprehensive stretching and walking program. Includes proper stretching techniques, proper training principles, correct walking techniques, and heart rate monitoring to assist the student in developing a realistic cardiovascular program in preparation for the workplace. Upon completion of the course, the student will be able to successfully design and implement a cardiovascular training program. Plus one lab hour by arrangement per week. Recommended Preparation: recent physical examination and disability verification. Credit/No Credit grading. part of the Workplace Wellness Program to help prepare students to return to the workplace. (CSU)

ADAP 165 ADAPTED LIFELONG FITNESS
Designed to increase student's personal fitness through a comprehensive stretching and walking program. Includes proper stretching techniques, proper training principles, correct walking techniques, and heart rate monitoring to assist the student in developing a realistic cardiovascular program in preparation for the workplace. Upon completion of the course, the student will be able to successfully design and implement a cardiovascular training program. Plus one lab hour by arrangement per week. Recommended Preparation: recent physical examination and disability verification. Credit/No Credit grading. Part of the Workplace Wellness Program to help prepare students to return to the workplace. (CSU)

ADAP 170 ADAPTED FITNESS
Designed to address the individual exercise needs of the student who is preparing to re-enter the workplace. Includes development of an overall fitness routine involving all aspects of body conditioning: cardiovascular training, muscular strength, endurance training, flexibility and balance exercises. Plus one lab hour by arrangement per week. Recommended Preparation: recent physical examination and disability verification. Credit/No Credit grading. Part of the Workplace Wellness Program to help prepare students to return to the workplace. (CSU)

EVENING CLASSES

ADAP 680 ADAPTED EVALUATION
Designed to assess physical ability and prescribe exercise programs for students enrolled in adapted P.E. classes. Credit/No Credit grading. (CSU)

ADAP 681 ADAPTED FITNESS ACTIVITIES
Adapted individual fitness for students who are self-sufficient in exercise activities. Disability verification recommended. CRN 34023 is open entry/open exit and variable units. (CSU)

OFF-CAMPUS CLASSES

AQUATICS
See Gym Bulletin Board for location of first class meeting.

AQUA 109 INTERMEDIATE SWIMMING AND BEGINNING WATER POLO
Instruction in the basic swimming strokes, water polo fundamentals, aquatic skills, techniques and drills.
and intra-class competition. Introduction to basic strategies and water polo rules. **Prerequisite:** ability to swim comfortably in deep water. To increase competency, may be taken four times. (CSU/UC*)

34005 AQUA 109 AA TTh 9:45 11:00 POOL Wright, R. 1.0

**AQUA 127 SWIM FOR CONDITIONING**
Program for all swimmers. Endurance swimming for all levels of fitness. Interval training using all strokes. Plus one lab hour by arrangement per week. **Prerequisite:** ability to swim. To increase competency, may be taken four times. (CSU/UC*)

34007 AQUA 127 BA@ MWF 10:10 11:00 POOL Wright, R. 1.0
36582 AQUA 127 CA@ MWF 11:10 12:00 POOL Wright, R. 1.0

**SATURDAY CLASSES**
33544 AQUA 127 SA@ S 9:00 10:50 POOL Barrilleaux, A. .5

**AQUA 680 AQUA EXERCISE**
Exercise in the water with stress on stretching and aerobic activities. No swimming skill is necessary. Plus 1.7 lab hours by arrangement per week. Credit/No Credit or letter grade option. (CSU)

**EVENING CLASSES**
31688 AQUA 680 L2 TTh 4:25 5:30 POOL Barrilleaux, A. .5
Start and end dates for section 31688: 3/13 5/22

**COMBATIVE**
See Gym Bulletin Board for location of first class meeting.

**COMB 680 BEGINNING KARATE**
Orientation in the sport, philosophy and fighting skills of Tae Kwon Do. Basic kicking, blocking and punching techniques. Plus one lab hour by arrangement per week. (CSU/UC*)

36089 COMB 680 AA MWF 10:10 11:00 8-202 Walker, L. 1.0

**EVENING CLASSES**
37255 COMB 680 LX TTh 5:30 6:45 8-202 Winter, B. 1.0

**COMB 681 INTERMEDIATE/ADVANCED KARATE**
A continuation of skills learned in Beginning Karate in preparation for promotion to yellow belt and higher. Plus one lab hour by arrangement per week. **Prerequisite:** COMB 680, Beginning Karate. (CSU/UC*)

36134 COMB 681 AA TTh 11:10 12:00 8-202 Walker, L. .5

**EVENING CLASSES**
38143 COMB 681 LX TTh 5:30 6:45 8-202 Walker, L. 1.0

**COMB 682 BEGINNING AEROBIC SELF DEFENSE**
Orientation to aerobic fitness using fighting skills of martial arts and self-defense. An aerobic dance style activity using basic blocking and striking techniques. Plus one lab hour by arrangement per week. **Prerequisite:** COMB 680, Beginning Karate. (CSU/UC*)

37256 COMB 682 AA MWF 11:10 12:00 8-202 Walker, L. 1.0

**EVENING CLASSES**
38810 COMB 682 LA MW 5:40 6:55 8-202 Walker, L. 1.0
37257 COMB 682 LB TTh 6:50 8:00 8-202 Winter, B. 1.0

**DANCE**
See Gym Bulletin Board for location of first class meeting.

**DANC 121 CONTEMPORARY MODERN DANCE**
Fundamentals of contemporary dance technique, body alignment, and basic movements. Plus one lab hour by arrangement per week. To increase competency, may be taken four times. (CSU/UC*)

34030 DANC 121 AA MWF 9:10 10:00 8-203 Eggert, H. 1.0

**EVENING CLASSES**
36569 DANC 121 LA TTh 7:30 8:45 8-203 Eggert, H. 1.0

**DANC 131 JAZZ DANCE I**
Beginning techniques in jazz-stage, jazz movements, fast jazz, jazz rock, and blues; plus various other jazz combinations. Plus one lab hour by arrangement per week. (CSU/UC*)

34031 DANC 131 AX TTh 8:10 9:25 8-203 Roake, A. 1.0

**DANC 132 JAZZ DANCE II**
Continuation of DANC 131 with more complex routines and refining of basic skills. Plus one lab hour by arrangement per week. **Prerequisite:** DANC 131 or equivalent. To increase competency, may be taken three times. (CSU/UC*)

34937 DANC 132 AX TTh 8:10 9:25 8-203 Roake, A. 1.0

**DANC 141 BEGINNING BALLET I**
Beginning study of ballet techniques and style, including barre, center floor and dance variations. Explores modern ballet works. Plus one lab hour by arrangement per week. (CSU/UC*)

**EVENING CLASSES**
36570 DANC 141 LX TTh 6:00 7:15 8-203 Eggert, H. 1.0

**DANC 143 INTERMEDIATE BALLET II**
Continuation of DANC 141, concentrating on barre, center floor, and dance variations. Explores classic ballet works. Plus one lab hour by arrangement per week. **Prerequisite:** DANC 141. To increase competency, may be taken three times. (CSU/UC*)

**EVENING CLASSES**
36866 DANC 143 LX TTh 6:00 7:15 8-203 Eggert, H. 1.0

**DANC 681 SWING DANCE**
A class for all levels of ability. Beginners especially encouraged to register. No partners required. Plus one lab hour by arrangement per week. Credit/No Credit or letter grade option. (CSU)

35589 DANC 681 A1 TTh 12:10 1:00 8-202 Walton, J. .5
Start and end dates for section 35589: 2/18 5/15

**EVENING CLASSES**
35553 DANC 681 LA M 7:00 9:05 8-202 Walton, J. .5

**DANCE 682 HIP HOP**
Beginning and intermediate hip-hop dance techniques, patterns, routines, choreography and improvisional group projects and presentations.

38657 DANC 682 AA TTh 9:45 11:00 8-202 Roake, A. 1.0

**FITNESS**
See Gym Bulletin Board for location of first class meeting.

**FITN 127 AEROBIC DANCE**
Exercise routines to music at heart training area. Warm-ups, stretches, strength work, low impact, cool-down and toning exercises. Plus one lab hour by arrangement per week. **Recommended Preparation:** recent physical examination. To increase competency, may be taken four times. (CSU/UC*)

38677 FITN 127 A1 TTh 1:10 2:00 8-202 Walton, J. .5
Start and end dates for section 38677: 2/18 5/15

**DANCE 682 HIP HOP**
Beginning and intermediate hip-hop dance techniques, patterns, routines, choreography and improvisational group projects and presentations.

35553 DANC 681 LA M 7:00 9:05 8-202 Walton, J. .5

**FITN 205 WEIGHT CONDITIONING**
Individualized weight conditioning for all levels of ability using specialized machines and free weights. Instruction on safety, form, physical examination, and intra-class competition. Introduction to basic strategies and water polo rules. **Prerequisite:** ability to swim comfortably in deep water. To increase competency, may be taken four times. (CSU/UC*)

34030 DANC 121 AA MWF 9:10 10:00 8-203 Eggert, H. 1.0

**EVENING CLASSES**
36569 DANC 121 LA TTh 7:30 8:45 8-203 Eggert, H. 1.0

(CSU) Transferable to California State Universities
(UC) Transferable to University of California, (* With limitations

Physical Education courses continued on next page
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
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**OFF-CAMPUS CLASSES**

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**TELE COURSE:**

- **FITN 685 EXERCISE FOR R FITNESS**
  - An exercise class with individualized workouts stressing muscle tone, strength and aerobic fitness. Class utilizes the Nautilus weight room, small hand apparatus, exercycle, rowing machine and walking the par course. Credit/No Credit or letter grade option. (CSU)

- **FITN 686 WOMEN’S WEIGHT CONDITIONING**
  - For women only. Introductory use of both free weights and Universal machines for figure enhancement. Get firm and fit. Plus one lab hour by arrangement per week. (CSU)

- **FITN 687 CHAIR EXERCISES**
  - TELE COURSE: “Sit and be Fit” is a series of programs designed for persons with limited physical abilities and disabilities. Concentrates on developing and strengthening muscle groups in a fun and gentle setting. Credit/No Credit or letter grade option. To increase or maintain conditioning this class may be taken three times. (CSU)

**INDIVIDUAL SPORTS**

See Gym Bulletin Board for location of first class meeting.

**INDV 120 BADMINTON**

- Emphasis on skill techniques, proper footwork, rules of play, strategies, doubles and singles play for various skill levels. Tournaments in singles and doubles. Plus one lab hour by arrangement per week. To increase competency, may be taken four times. (CSU)

**INDV 160 GOLF**

- Techniques, rules, etiquette, and philosophy for beginning golfers. Plus one lab hour by arrangement per week. To increase competency, may be taken four times. (CSU)

**INDV 252 BEGINNING/INTERMEDIATE TENNIS**

- Instruction in skills of service, forehand and backhand strokes. Rules of play, net play, and doubles tournaments. Plus one lab hour by arrangement per week. (CSU)

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
INDV 254 INTERMEDIATE/ADVANCED TENNIS
Technique, philosophy and strategy used in doubles and singles. Instruction in techniques of strokes. Plus one lab hour by arrangement per week. Recommended Preparation: successful completion of college level beginning tennis course. To increase competency, may be taken twice. (CSU/UC*)
33169 INDV 254 AX@ MW 9:10 10:00 TENN Williams, D. .5

SATURDAY CLASSES
33380 INDV 254 SA@ S 8:00 10:05 TENN Welles, P. .5

PHYSICAL EDUCATION
P.E. 119 EXERCISE SCIENCE OF THE ADULT DISABLED
Designed for students with an interest in health care professions. Introduction to the relationship between physical fitness and disabling conditions as well as its effects on aging. (May not be taken for credit following HSCI 119.) (CSU)
38671 P.E. 119 AX TTh 8:50 10:05 B-82 Hogan, J. 3.0

P.E. 125 PRINCIPLES OF EXERCISE PHYSIOLOGY
Introduction to the fundamentals of exercise science. Provides a foundation in exercise training, fitness assessment, and human physiology as it pertains to fitness and training. (May not be taken for credit following HSCI 125.) (CSU)
38672 P.E. 125 AX MWF 12:10 1:00 16-154 Hogan, J. 1.0

P.E. 150 WELLNESS
Concepts, attitudes, and skills necessary for the students to develop a self-directed and self-motivated fitness program. Includes nutrition principles of physical fitness, stress management, and a survey of resources on fitness. (CSU)
38229 P.E. 150 AX TTh 12:10 1:00 B-82 Schmidt, M. 1.0
Start and end dates for section 38229: 1/14 3/13
38230 P.E. 150 BX TTh 12:10 1:00 B-82 Schmidt, M. 1.0
Start and end dates for section 38230: 3/18 5/15

P.E. 680 FIRST AID/CPR (ADULT, CHILD AND INFANT)
Recognizing and caring for breathing and cardiac emergencies for adults, children and infants; identifying and caring for life-threatening conditions as well as its effects on aging. (May not be taken for credit following HSCI 125.) (CSU)
38809 TEAM 680 A1 Daily 4:10 5:00 8-201 Warner, M. .5
Start and end dates for section 38809: 1/13 3/14

P.E. 681 INTRODUCTION TO COLLEGE AND INTERCOLLEGIATE ATHLETICS
This course is designed to educate students on how to get organized, how to take effective notes, and how to prepare for tests and quizzes. Provides organization skills for a lifetime. Teaches attitude development while building self-esteem. The course also addresses athletic eligibility and transfer requirements.
32643 P.E. 681 AO By Arr 3:0-9.0 Hrs/Wk 8-107 Hogan, J. 1.0-3.0

TEAM SPORTS

TEAM 110 BASKETBALL
Basketball for students with previous experience. Techniques in offensive and defensive play. Round-robin team play, concluding with tournament play. Plus one lab hour by arrangement per week. Recommended Preparation: interscholastic basketball or equivalent. To increase competency, may be taken four times. (CSU/UC*)
33149 TEAM 110 AA MWF 12:10 1:00 8-201 Warner, M. 1.0

TEAM 118 ADVANCED BASKETBALL: WOMEN
Designed as a training class for women interested in participating on the women's varsity basketball team. Plus one lab hour by arrangement per week. Recommended Preparation: interscholastic basketball or the equivalent. To increase competency, may be taken four times. (CSU)
38809 TEAM 118 A1 Daily 4:10 5:00 8-201 Warner, M. .5
Start and end dates for section 38809: 1/13 3/14

TEAM 135 ADVANCED FOOTBALL AND CONDITIONING
Basic skills review. Introduction to advanced sport techniques. Recommended Preparation: interscholastic varsity football experience or equivalent. Open entry/open exit. Variable units. To increase competency, may be taken four times. (CSU/UC*)
38260 TEAM 179 AA MWF 11:10 12:00 8-201 Pollack, B. .5
Start and end dates for section 38260: 4/03 5/15

TEAM 179 TOURNAMENT VOLLEYBALL
Intra-class competition for the advanced beginner to intermediate student in volleyball. Emphasizes the team aspects of sport. Plus one lab hour by arrangement per week. Prerequisite: beginning course in volleyball or equivalent. To increase competency, may be taken four times. (CSU/UC*)
32686 TEAM 179 AA MWF 11:10 12:00 8-201 Pollack, B. .5
Start and end dates for section 32686: 1/19 3/15

TEAM 680 BASKETBALL FOR WOMEN
Major concepts of basketball for women taught in tournament format. League play. Plus one lab hour by arrangement per week. Credit/No Credit/No Grade option. (CSU)
37733 TEAM 680 L1 T 5:00 10:00 8-201 Warner, M. .5
Start and end dates for section 37733: 3/18 5/13
38142 TEAM 680 M2 Th 7:00 10:05 8-201 Warner, M. .5
Start and end dates for section 38142: 3/20 5/15
38111 TEAM 680 P2 F 5:00 8:05 8-201 Warner, M. .5
Start and end dates for section 38111: 3/21 5/16

TEAM 681 INDOOR SOCCER
An activity course that introduces basic soccer skills, developmental drills and strategy. Intermediate and advanced players will benefit from the opportunity to improve existing skills. The course is held in the gymnasium using a modified format of the outdoor game. Skill development through individual and group drills; skills applied in competitive class tournament format. Plus one lab hour by arrangement per week. (CSU)
37264 TEAM 681 AA TTh 9:45 11:00 8-201 Mangan, J. .5

Physical Education courses continued on next page
### INTERCOLLEGIATE SPORTS

See Gym Bulletin Board for location of first class meeting.

### VARS 100 VARSITY BASEBALL

Intercollegiate varsity baseball competition in the Coast Conference. Plus one lab hour by arrangement per week. **Recommended Preparation:** interscholastic participation in varsity baseball or equivalent. Open entry/open exit. Variable units. (CSU/UC*)

**Varsity Baseball is open Monday through Friday, 1:10-4:00 p.m.**

32862 VARS 100 AO
By Arr 15.0 Hrs/Wk
DIAM, Williams, D. .5-2.0

### VARS 185 VARSITY TRACK AND FIELD: MEN AND WOMEN

Varsity track and field for men and women in the Coast Conference. Plus one lab hour by arrangement per week. **Recommended Preparation:** interscholastic participation in track and field or cross country or equivalent. Open entry/open exit. Variable units. (CSU/UC*)

**Varsity Track and Field is open Monday through Friday, 1:10-4:00 p.m.**

33220 VARS 185 AO
By Arr 15.0 Hrs/Wk
TRAK, Mangan/Lewis .5-2.0

### VARS 300 VARSITY BASKETBALL: WOMEN

Competition in the Coast Conference and California Championships (15 hrs/wk minimum). Plus one hour lab by arrangement per week. **Recommended Preparation:** interscholastic participation in basketball or the equivalent. Open entry/open exit. Variable units. (CSU/UC*)

**Varsity Women's Basketball is open Monday through Friday, 1:10-4:00 p.m.**

32864 VARS 300 AO
By Arr 15.0 Hrs/Wk
8-201, Warner, M. .5-1.0

### VARS 320 VARSITY SOFTBALL: WOMEN

Intercollegiate women's varsity softball competition in the Coast Conference and State Championships. **Recommended Preparation:** interscholastic participation in softball and completion of TEAM 158. Open entry/open exit. Variable units. (CSU/UC*)

**Varsity Women's Softball is open Monday through Friday, 12:10-3:00 p.m.**

32865 VARS 320 AO
By Arr 15.0 Hrs/Wk
TURF, Martinez, T. .5-2.0

### VARS 330 VARSITY TENNIS: WOMEN

Intercollegiate women's varsity tennis competition in the Coast Conference. Plus one lab hour by arrangement per week. **Recommended Preparation:** interscholastic participation in tennis or equivalent. Open entry/open exit. Variable units. (CSU/UC*)

**Varsity Women's Tennis is open Monday through Friday, 1:10-4:00 p.m.**

32866 VARS 330 AO
By Arr 15.0 Hrs/Wk
TENN, Staff .5-2.0

### VARS 680 VARSITY BASEBALL CONDITIONING

Class for members of the CSM Baseball Team to condition themselves for intercollegiate baseball competition through a program of stretching, weight training, and running. Plus one lab hour by arrangement per week. **Corerequisite:** enrollment in VARS 100. Open entry/open exit. Variable units. (CSU)

**Varsity Baseball Conditioning is open Monday through Friday, 4:10-5:00 p.m.**

32867 VARS 680 AO
By Arr 5.0 Hrs/Wk
DIAM, Williams, D. .5-1.0

### VARS 681 VARSITY SWIM

Intercollegiate varsity swim competition in the Coast Conference, Northern California Championships, and the California State Championships. Plus one lab hour by arrangement per week. **Recommended Preparation:** interscholastic participation or equivalent.

**Varsity Swim is open Monday through Friday, 2:10-4:25 p.m.**

37751 VARS 681 AO
By Arr 12.5 Hrs/Wk
POOL, Wright, R. .5-2.0

### PHYSICAL SCIENCE

#### PSCI 676 PHYSICAL REALITY AND MEASUREMENT

Covers the nature of measurement, particularly the effects of objectivity versus subjectivity upon the observer and hence upon the observed. Discusses the reality of concepts, the quantum dilemma and the prospect of having a perfect "Gods-Eye" view of the physical universe. **Prerequisite:** eligibility for the Honors Program (ENGL 100 eligibility; GPA=3.3) and completion of or enrollment in any physical science course that includes a laboratory. (CSU)

32683 PSCI 676 H1
1:10-2:00
11-132, Janatpour, M. 1.0

### PHYSICS

#### PHYS 100 DESCRIPTIVE INTRODUCTION TO PHYSICS

Description with experimental demonstrations of the more important phenomena of physics. **Recommended Preparation:** equivalent of at least one semester of high school-level algebra. Open to all students except those who have completed or are taking PHYS 210 or 250. Credit/No Credit grading.

39709 PHYS 100 AA
12:10-1:10
11-131, Stanford, D. 3.0

### PHYS 150 PREPARATION FOR PHYSICS

Preparation for Physics 210 or 250. Math review, problem solving, study skills, description of motion and Newton's Laws. Plus one hour by arrangement per week. **Prerequisite:** concurrent enrollment in or completion of MATH 130 or equivalent with a grade of C or higher. (CSU/UC*)

32808 PHYS 150 AA
9:10-10:00
12-188, Janatpour, M. 4.0

### PHYS 210 GENERAL PHYSICS I

Mechanics, heat and sound. Plus one hour by arrangement per week. **Prerequisite:** MATH 130 and equivalent with a grade of C or higher. (CSU/UC*) (PHYS 210 and 220 = CAN PHYS SEQ A)

36456 PHYS 210 AA
8:10-9:00
12-188, Janatpour, M. 4.0

### PHYS 210 GENERAL PHYSICS II

Magnetism, electricity, light, modern physics. Plus one hour by arrangement per week. **Prerequisite:** concurrent enrollment in or completion of MATH 130 or equivalent with a grade of C or higher. (CSU/UC*) (PHYS 210 and 220 = CAN PHYS SEQ A)

32654 PHYS 210 AA
9:10-10:00
11-131, Uchida, B. 4.0

### PHYS 211 GENERAL PHYSICS I-CALCULUS SUPPLEMENT

Application of calculus to selected topics in PHYS 210. **Prerequisite:** concurrent enrollment in or completion of MATH 242 or 252; concurrent enrollment in or completion of PHYS 210, both with a grade of C or higher. (CSU/UC)

35258 PHYS 211 AA
1:10-2:10
11-133, Uchida, B. 1.0

### PHYS 220 GENERAL PHYSICS II

Magnetism, electricity, light, modern physics. Plus one hour by arrangement per week. **Prerequisite:** PHYS 210 with a grade of C or higher. (CSU/UC*) (PHYS 210 and 220 = CAN PHYS SEQ A)

32655 PHYS 220 AA
9:10-10:00
11-132, Locke, D. 4.0

### PHYS 221 GENERAL PHYSICS II-CALCULUS SUPPLEMENT

Application of calculus to topics in PHYS 220. **Prerequisite:** MATH 242 or 252; PHYS 211; concurrent enrollment in or completion of MATH 242 or 252; concurrent enrollment in or completion of PHYS 220, both with a grade of C or higher. (CSU/UC)

32651 PHYS 221 AA
9:10-10:00
11-132, Locke, D. 4.0

### MATH 130; PHYS 150 or equivalent with a grade of C or higher. (CSU/UC*) (PHYS 210 and 220 = CAN PHYS SEQ A)

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
### Online-CRS

<table>
<thead>
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<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<tr>
<td>35259</td>
<td>PLSC 130 AA</td>
<td>MWF</td>
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<td>16-255</td>
<td>O'Connell, K.</td>
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### PHYSICS

#### PHYS 220
All with a grade of C or higher. (CSU/UC)

#### PHYS 250 PHYSICS WITH CALCULUS I
Mechanics, wave motion and special relativity. Plus one hour per week. Extra supplies may be required. Prerequisite: PHYS 150 or equivalent with a grade of C or higher; completion of or concurrent enrollment in MATH 252 or 242. (CSU/UC*) (PHYS 250, 260 and 270 = CAN PHYS SEQ B)

#### PHYS 260 PHYSICS WITH CALCULUS II
Electricity and magnetism. Plus one hour by arrangement per week. Extra supplies may be required. Prerequisite: PHYS 250 with a grade of C or higher; MATH 242 with a grade of C or higher or completion of or concurrent enrollment in MATH 253. (CSU/UC*) (PHYS 250, 260 and 270 = CAN PHYS SEQ B)

#### PHYS 270 PHYSICS WITH CALCULUS III
Heat, light and modern physics. Plus one hour by arrangement per week. Prerequisite: PHYS 250 with a grade of C or higher; MATH 242 with a grade of C or higher or completion of or concurrent enrollment in MATH 253. (CSU/UC*) (PHYS 250, 260 and 270 = CAN PHYS SEQ B)

#### PHYS 690 SPECIAL PROJECTS
Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 11, Room 136. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

### POLITICAL SCIENCE

#### PLSC 110 CONTEMPORARY FOREIGN GOVERNMENTS
Introduction to representative foreign political systems. Comparative analysis of how various governments reconcile stability and change, power and responsibility, freedom and efficiency. Stresses interrelationships of social patterns, ideology, and political institutions. Recommended Preparation: previous course in political science and eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

#### PLSC 120 AREA STUDIES: LATIN AMERICA
An introduction to representative foreign political systems. Recommended Preparation: previous course in political science and eligibility for ENGL 800 or 836. (CSU)

#### PLSC 130 INTERNATIONAL RELATIONS
The nature of relations among states; basic forces affecting formulation of foreign policy and the dynamics of international politics. (CSU) Transferable to California State Universities

### PLSC 200 NATIONAL, STATE AND LOCAL GOVERNMENT
American federal system: basic institutions, politics, civil liberties, and issues of public policy. Not open to students who have had PLSC 210 or 235 or a comparable course in American or state institutions. Recommended Preparation: eligibility for ENGL 800 or 836. (CSU/UC*)

#### PLSC 210 AMERICAN POLITICS
Survey of the organization and functions of the federal government; examination of the dynamics of the American political process. Recommended Preparation: eligibility for ENGL 800 or 836. (CSU/UC*) (CAN GOVT 2)

### PLSC 212 INTRODUCTION TO AMERICAN POLITICS AND SOCIETY
Recommended for international students and recent immigrants but designed to meet the needs of all students. Introduction to the institutions, constitutional framework, and dynamic processes of American democracy and to the unique aspects of American society, culture, and historical development which are relevant to American politics and to the formation of national values and character. Recommended Preparation: eligibility for ENGL 844. (CSU/UC)

#### PLSC 215 CONTEMPORARY POLITICAL ISSUES
Explores within the constitutional framework, current issues of importance to well-informed citizens in a democracy, including goals and tactics of American foreign policy, presidential elections and campaigns, corporate power, criminal justice and individual rights, interpretations of the Founders' political philosophy. Congress. Recommended Preparation: eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

### PLSC 250 CIVIL LIBERTIES AND CIVIL RIGHTS
The U.S. Supreme Court's treatment of the rights of political, racial, religious, and sexual minorities and criminal defendants. Recommended Preparation: eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

### PLSC 310 CALIFORNIA STATE AND LOCAL GOVERNMENT
Study of the institutions and problems of state and local government in California. (CSU) Transferable to University of California, (CSU*) 

Political Science courses continued on next page
### PSYCHOLOGY

#### PSYC 100 GENERAL PSYCHOLOGY

Introduction to psychology: perception, motivation, emotion, learning and thinking, observation of behavior and measurement. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN PSY 2)

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<th>Course Ref. No.</th>
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<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
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#### EVENING CLASSES

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#### TV CLASSES

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#### PSYC 105 EXPERIMENTAL PSYCHOLOGY

Laboratory experiments in memory, problem solving, perception, animal learning, conditioning, reaction time, child development and prejudice. Plus one hour by arrangement per week. **Recommended Preparation:** PSYC 100 with a grade of C or higher. **Recommended Preparation:** PSYC 121. Credit/No Credit or letter grade option. (CSU/UC)

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#### PSYC 110 COURTSHIP, MARRIAGE AND THE FAMILY

Societal, psychological and biological aspects of gender, sex, love, conflict, etc., in dating, marital and familial interaction. May not be taken for credit following SOCI 110. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

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<td>16-267</td>
<td>Stegner, P.</td>
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#### PSYC 121 BASIC STATISTICAL CONCEPTS

Introduction to basic descriptive techniques and statistical inferences used in the behavioral sciences. **Recommended Preparation:** MATH 120 or four semesters of high school level algebra with a C average; PSYC 100 or SOCI 100 or ANTH 110. **Recommended Preparation:** eligibility for ENGL 800 or 836. (CSU/UC) (CAN PSY 6)

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<td>Fisher, A.</td>
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#### PSYC 200 DEVELOPMENTAL PSYCHOLOGY

Psychological development across the life-span. Focuses particularly on the development of thinking, social interaction, and the sense of self from birth through old age. **Recommended Preparation:** PSYC 100 with a grade of C or higher. **Recommended Preparation:** eligibility for ENGL 800 or 836. (UC credit limited to either PSYC 200 or 201.) (CSU/UC)

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#### EVENING CLASSES

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#### PSYC 201 CHILD DEVELOPMENT

A research-based treatment of the biological and experiential forces that shape and influence human development during the childhood years. **Prerequisite:** PSYC 100. **Recommended Preparation:** eligibility for ENGL 800 or 836. (UC credit limited to either PSYC 200 or 201.) (CSU/UC)

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<th>Course Ref. No.</th>
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#### PSYC 225 THEORIES OF PERSONALITY

Covers the major theories of personality, from Freud to modern day, and introduces personality assessment and research. Examines cultural and gender differences as they relate to the development of personality. **Recommended Preparation:** PSYC 100; eligibility for ENGL 800 or 836. (CSU/UC)

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<th>Course Ref. No.</th>
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#### PSYC 410 ABNORMAL PSYCHOLOGY

Types and patterns of abnormal behavior; major theories regarding its causes; clinical assessment and modes of treatment. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

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#### EVENING CLASSES

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#### PSYC 675 HONORS COLLOQUIUM IN PSYCHOLOGY

Selected advanced topics in General Psychology. Readings, discussion and lectures. Course content determined by Humanities Department and the Honors Program. Limited to students in the Honors Program (ENGL 100 eligibility; GPA=3.3) who have past or concurrent enrollment in an associated non-honors course in Psychology. (CSU/UC)

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#### PSYC 680 CHILD PSYCHOLOGY: TIME TO GROW

**TELECOU RSE: “A Time to Grow”** Study of growth processes from conception through adolescence by using a developmental approach to the study of the child. (CSU)

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#### PSYC 690 SPECIAL PROJECTS

Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 169. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

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<td>15-169</td>
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@ Courses open for audit.
READING

READ 807 BASIC PHONIC SKILLS FOR NON-NATIVE SPEAKERS

Study of basic speech sounds and practice in techniques for pronouncing unknown words. Plus one lab hour by arrangement per week. It is recommended that students enroll concurrently in ENGL 841 or higher course, READ 841 or higher course, and SPCH 841 or higher course. Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

32747 READ 807 AX MWF 10:10 11:00 16-168 Wills, C. 3.0
32748 READ 808 AX MWF 10:10 11:00 16-168 Wills, C. 3.0

READ 808 BASIC PHONIC SKILLS

Introduction to basic speech sounds and practice in techniques for pronouncing unknown words. Review of dictionary symbols, diacritical marks, syllabication, and fundamental phonic generalizations. Plus one lab hour by arrangement per week. Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

32749 READ 809 AA MWF 11:10 12:00 16-168 Wills, C. 3.0

READ 809 SPELLING IMPROVEMENT FOR NON-NATIVE SPEAKERS OF ENGLISH

Improvement of spelling skills for academic, professional, and personal needs. Includes basic and advanced rules of spelling, commonly misspelled words, and individualized spelling word lists. Plus one lab hour by arrangement per week. Recommended Preparation: READ 807 or 808 with Credit or a grade of C or higher OR eligibility for READ 843, READ 800 or 816, READ 801 or 826, or higher course (as indicated by the Reading placement tests and other measures). Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

32750 READ 810 AA By Arr 1.5-9.0 Hrs/Wk 18-190 Wills, C. 5.3.0
32751 READ 810 AB By Arr 1.5-9.0 Hrs/Wk 16-268 Wills, C. 5.3.0
32752 READ 810 AC MWF 9:10 10:00 14-118 Marron, J. 3.0
32753 READ 810 AD MWF 9:10 10:00 14-118 Marron, J. 3.0
32754 READ 810 AE MWF 9:10 10:00 14-118 Marron, J. 3.0

READ 812 INDIVIDUALIZED READING IMPROVEMENT

Improvement of reading skills. Practice in methods of increasing speed, comprehension, and vocabulary. Emphasizes computer-assisted and audio-visual instruction. Credit/No Credit grading. Open entry/open exit. Variable units. May be taken four times for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

32756 READ 812 AA By Arr 1.5-9.0 Hrs/Wk 18-190 Wills, C. 5.3.0
32757 READ 812 AB By Arr 1.5-9.0 Hrs/Wk 18-190 Wills, C. 5.3.0
32758 READ 812 AC MWF 9:10 10:00 14-118 Marron, J. 3.0
32759 READ 812 AD MWF 9:10 10:00 14-118 Marron, J. 3.0

READ 816 PREPARATION FOR COLLEGE STUDY AND READING

Strategies for successful basic comprehension: main ideas, supporting details, word building, and speed efficiency. Practice in reading a variety of fiction and nonfiction materials and application of basic study skills. Qualifies as preparation for READ 826. Plus one lab hour by arrangement per week. Recommended Preparation: READ 843 with Credit or a grade of C or higher (or appropriate skill level indicated by the Reading placement tests and other measures). Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

32761 READ 816 AA TTh 9:45 11:00 16-168 Wills, C. 3.0
32762 READ 816 AC MWF 11:10 12:00 16-268 Mueller, F. 3.0

READ 826 INTRODUCTION TO STUDY SKILLS AND COLLEGE READING

Intended to help students increase comprehension of college textbooks and improve study strategies such as textbook marking, note-taking, test-taking, concentration, critical reading, vocabulary, and speed. Qualifies as preparation for READ 836. Plus one lab hour by arrangement per week. Recommended Preparation: READ 800 or 816 with Credit or a grade of C or higher or READ 843 with Credit or a grade of B or higher (or appropriate skill level indicated by the Reading placement tests and other measures). May be taken twice for a maximum of 6 units. Credit/No Credit or letter grade option. (Units do not apply toward AA/AS degree.)

32766 READ 826 AA MWF 9:10 10:00 16-168 Wills, C. 3.0
32767 READ 826 AC MWF 9:45 11:00 18-287 Marron, J. 3.0
32768 READ 826 AD MWF 10:10 11:00 14-118 Marron, J. 3.0
32769 READ 826 AE MWF 11:10 12:00 14-118 Marron, J. 3.0
32770 READ 826 AG TTh 12:45 2:00 16-250 Simnitt, C. 3.0

README 816 BASIC SPELLING MASTERY

Self-paced course that incorporates textbook and computer-assisted instruction to facilitate basic spelling mastery. Includes silent letters, a review of basic phonetic rules, rules for spelling compound words, ei/ei rules, final e rules, basic plural rules, and basic homonyms. Credit/No Credit grading. Open entry/open exit. (Unit does not apply toward AA/AS degree.) Students may register at any time but should go to the Reading Center (18-190) during the third week of the semester to meet with an instructor.

37455 READ 815 AA By Arr 3.0 Hrs/Wk 18-190 Wills, C. 1.0

READ 818 ADVANCED SPELLING MASTERY

Self-paced course that incorporates textbook and computer-assisted instruction to facilitate advanced spelling mastery. Includes double-consonant rules for doubling final consonants, plurals, advanced homonyms, spelling prefixes and suffixes, and English words whose etymologies are Spanish, Italian, or French. Credit/No Credit grading. Open entry/open exit. (Unit does not apply toward AA/AS degree.) Students may register at any time but should go to the Reading Center (18-190) during the third week of the semester to meet with an instructor.

37455 READ 815 AA By Arr 3.0 Hrs/Wk 18-190 Wills, C. 1.0

READ 836 Academic Success Strategies and Advanced College Reading

Application of advanced reading and study strategies to college textbook chapters in various disciplines. Practice in content area test-taking strategies, advanced critical thinking, speed, and vocabulary essential to academic work. Preparation for reading in academic courses such as social sciences, humanities, natural sciences, and literature. Plus one lab hour by arrangement per week. Recommended Preparation: READ 801 or 826 with Credit or a grade of C or higher (or appropriate skill level indicated by the Reading placement tests and other measures). Credit/No Credit or letter grade option. Partially satisfies the English competency requirement for AA/AS degree. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

32771 READ 836 AA TTh 8:10 9:25 16-256 Mueller, F. 3.0
32772 READ 836 AC MWF 10:10 11:00 14-104 Vashio, P. 3.0
32773 READ 836 AD MWF 10:10 11:00 14-104 Vashio, P. 3.0
32774 READ 836 AE TTh 11:10 12:25 16-254 Mueller, F. 3.0

*READ 836 AM is part of the Learning Community: Reading and Writing: Race and Ethnicity in the U.S. See page 64.
<table>
<thead>
<tr>
<th>Course Ref. No.</th>
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<td>Mahon, D.</td>
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**EVENING CLASSES**

**AFRICAN-AMERICAN STUDENT RECRUITMENT AND RETENTION PROGRAM**

**ACADEMIC SUCCESS STRATEGIES AND ADVANCED COLLEGE READING**

Application of advanced reading and study strategies to college textbook chapters in various disciplines. Practice in content area test-taking strategies, advanced critical thinking, speed, and vocabulary essential to academic work. Preparation for reading in academic courses such as social sciences, humanities, natural sciences, and literature. Plus one lab hour per week. Recommended Preparation: READ 801 or 826 with Credit or a grade of C or higher (or appropriate skill level indicated by the Reading placement tests and other measures). Credit/No Credit grading. Partially satisfies the English competency requirement for AA/AS degree. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

**READ 843 READING FOR NON-NATIVE SPEAKERS II**

Designed to improve vocabulary, build general background knowledge, and strengthen literal and inferential reading skills. Plus one lab hour by arrangement per week. Recommended Preparation: Credit in READ 841 (or appropriate skill level as indicated by the Reading placement tests and other measures). It is recommended that students enroll concurrently in ENGL 841 or higher course. SPCH 841 or higher course, and READ 807. Credit/No Credit grading. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

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**READ 844 READING FOR NON-NATIVE SPEAKERS III**

Designed to emphasize higher-level vocabulary, focus on critical reading, increase basic reading speed, and introduce fiction. Plus one lab hour by arrangement per week. Recommended Preparation: Credit in READ 842 (or appropriate skill level as indicated by the Reading placement tests and other measures). It is recommended that students enroll concurrently in ENGL 841 or higher course. SPCH 841 or higher course. Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

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**READ 850 ESSENTIAL VOCABULARY FOR NON-NATIVE SPEAKERS OF ENGLISH**

A self-paced, individualized course designed to help non-native speakers of English build their vocabulary skills through a words-in-context approach. Students will use textbooks and computer programs to study 300 basic words. Credit/No Credit grading. On entry/exit. Credit/No Credit grading. On entry/exit. Students may register at any time but should go to the Reading Center (18-190) during the third week of the semester to meet with an instructor.

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**READ 851 VOCABULARY FOR NON-NATIVE SPEAKERS OF ENGLISH**

A self-paced, individualized course designed to help non-native speakers of English build their vocabulary skills through a words-in-context approach. Students will use textbooks and computer programs to study 300 basic words. Credit/No Credit grading. On entry/exit. Credit/No Credit grading. On entry/exit. Students may register at any time but should go to the Reading Center (18-190) during the third week of the semester to meet with an instructor.

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<td>18-190</td>
<td>Paolini, N.</td>
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**READ 852 VOCABULARY IMPROVEMENT I**

A self-paced, individualized course designed to help students build their vocabulary skills through a words-in-context approach. Students will use textbooks and computer programs to study 300 basic words. Credit/No Credit grading. On entry/exit. Credit/No Credit grading. On entry/exit. Students may register at any time but should go to the Reading Center (18-190) during the third week of the semester to meet with an instructor.

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<th>Course Ref. No.</th>
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**READ 853 VOCABULARY IMPROVEMENT II**

A self-paced, individualized course designed to help students build their vocabulary skills through a words-in-context approach. Students will use textbooks and computer programs to study 300 basic words. Credit/No Credit grading. On entry/exit. Credit/No Credit grading. On entry/exit. Students may register at any time but should go to the Reading Center (18-190) during the third week of the semester to meet with an instructor.

<table>
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<tr>
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**READ 854 VOCABULARY IMPROVEMENT III**

A self-paced, individualized course designed to help students build their vocabulary skills through a words-in-context approach. Students will use textbooks and computer programs to study 300 basic words. Credit/No Credit grading. On entry/exit. Credit/No Credit grading. On entry/exit. Students may register at any time but should go to the Reading Center (18-190) during the third week of the semester to meet with an instructor.

<table>
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**READ 855 VOCABULARY IMPROVEMENT IV**

A self-paced, individualized course designed to help students build their vocabulary skills through a words-in-context approach. Students will use textbooks and computer programs to study 300 basic words. Credit/No Credit grading. On entry/exit. Credit/No Credit grading. On entry/exit. Students may register at any time but should go to the Reading Center (18-190) during the third week of the semester to meet with an instructor.

<table>
<thead>
<tr>
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<td>Wills, C.</td>
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**READ 883 SUCCESSFUL STRATEGIES FOR READING**

Students receive individualized instructor support in areas of identified strengths.
### REAL ESTATE

**R.E. 100 REAL ESTATE PRINCIPLES**

Property, contracts, agency, financing, liens and encumbrances, taxes, escrows, land descriptions. Meets State requirements for the salesperson’s and the broker’s licenses. (CSU)

<table>
<thead>
<tr>
<th>Course</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
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**EVENING CLASSES**

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**R.E. 105 REAL ESTATE VALUATION**

Measuring the changing value of money, estimating cost, depreciation, tax rules on capital gain and loss. Meets State requirements for the salesperson’s and the broker’s licenses. (CSU)

<table>
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<th>Course</th>
<th>Class ID</th>
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**EVENING CLASSES**

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**R.E. 110 REAL ESTATE PRACTICE**

Real estate brokerage skills. Emphasis on daily activities of salesmen and brokers. Meets State requirements for the salesperson’s and the broker’s licenses. (CSU)

<table>
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<th>Course</th>
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**R.E. 121 LEGAL ASPECTS OF REAL ESTATE I**

Legal aspects of real estate brokerage, sales, property management, ownership, California real estate law. Meets State requirements for the salesperson’s and the broker’s licenses. (CSU)

<table>
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<th>Class ID</th>
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<th>Hours</th>
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<td>14-218</td>
<td>Bruss, R.</td>
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**R.E. 131 REAL ESTATE FINANCE I**

Practices, customs, and laws relating to mortgage lending/financing of real estate. Emphasis on private houses. Meets State requirements for the salesperson’s and the broker’s licenses. (CSU)

<table>
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<td>11-031</td>
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**R.E. 141 REAL ESTATE APPRAISAL: BASIC**

Basic appraisal: analysis of residential and commercial properties. Determine loan, market, and insurance values. Meets State requirements for the salesperson’s and broker’s licenses. (CSU)

<table>
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**R.E. 215 COMMERCIAL INVESTMENT PROPERTY**

For licensed real estate agents and brokers, financing officials, and investors. Emphasizes the process of selecting properties for investment, including analyzing income, operating expenses, and income tax implications. Meets State requirements for the salesperson’s and broker’s licenses. (CSU)

<table>
<thead>
<tr>
<th>Course</th>
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**R.E. 220 REAL ESTATE PROPERTY MANAGEMENT**

Apartment property cash flow, projection, valuation, merchandising, maintenance, evictions. Meets State requirements for the salesperson’s and broker’s licenses. (CSU)

<table>
<thead>
<tr>
<th>Course</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
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(UC) Transferable to University of California, (*) With limitations

**R.E. 301 ESCROW PROCEDURES: BASIC**

Basic methods, techniques of escrow procedure for business transactions with emphasis on real estate. Meets State requirements for the salesperson’s and broker’s licenses.

**EVENING CLASSES**

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</table>

**R.E. 690 SPECIAL PROJECTS**

Independent study in specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 157. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

<table>
<thead>
<tr>
<th>Course</th>
<th>Class ID</th>
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<th>Hours</th>
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<th>Instructor</th>
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### SOCIAL SCIENCE

**SOC 302 PHARMACOLOGY AND PHYSIOLOGICAL EFFECTS OF ALCOHOL AND OTHER DRUG ABUSE**

Physical and physiological effects of alcohol and other drugs on the body. Recommended Preparation: eligibility for ENGL 800 or 836. (CSU)

**EVENING CLASSES**

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**SOC 303 ALCOHOL AND OTHER DRUG ABUSE PREVENTION AND EDUCATION**

History, theories, models, and approaches to prevention. Review of research on epidemiology, environmental factors, and prevention strategies; effective prevention programs. Recommended Preparation: SO SC 301 and eligibility for ENGL 800 or 836. (CSU)

**EVENING CLASSES**

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**SOC 304 INTERVENTION, TREATMENT AND RECOVERY**

Introduction to the recovery process in chemical dependency covering intervention strategies, dependency in its clinical and social contexts, and philosophical, organizational and clinical approaches in treatment. Recommended Preparation: SO SC 301 and eligibility for ENGL 800 or 836. (CSU)

**EVENING CLASSES**

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**SOC 307 COUNSELING THE FAMILY OF THE ADDICTED PERSON**

Designed to assist the significant persons (family, employer, etc.) in the lives of chemically dependent persons. The AOD (alcohol and other drug) counselor will develop strategies after exploring the dynamics of the family system. Recommended Preparation: eligibility for ENGL 800 or 836. (CSU)

**EVENING CLASSES**

<table>
<thead>
<tr>
<th>Class</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>33981</td>
<td></td>
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</tbody>
</table>

**SOC 316 FIELD STUDIES AND SEMINAR II**

Supervised practicum/internship. The second semester of a two-semester sequence placing students in alcohol/drug abuse agencies/organizations; emphasizes and applies the values, concepts, and skills gained from previous courses to the process of aiding chemically dependent persons. Participants must already be knowledgeable about chemical dependency. Plus 100 hours of documented work in an agency or organization in the alcohol/drug abuse field (255 hours if CAADAC certification is sought). Prerequisite: SO SC 315. Recommended Preparation: eligibility for ENGL 800 or 836. (CSU)

**EVENING CLASSES**

<table>
<thead>
<tr>
<th>Class</th>
<th>ID</th>
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</thead>
<tbody>
<tr>
<td>33980</td>
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</table>
### SOCI 340 HUMAN SEXUALITY
Human sexuality from a physiological, psychological and cultural viewpoint. Emphasis on need for affiliation, commitment and intimacy. **Recommended Preparation:** eligibility for ENGL 800 or 836. Credit/No Credit or letter grade option. (CSU/UC)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course Title</th>
<th>Days</th>
<th>Hours</th>
<th>Building/Room</th>
<th>Instructor</th>
<th>Units</th>
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<tbody>
<tr>
<td>33779</td>
<td>SOC 340 AA Th</td>
<td>1:10</td>
<td>4:00</td>
<td>16-167</td>
<td>Manders, D.</td>
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</table>

### SOCI 690 SPECIAL PROJECTS
Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 15, Room 169. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course Title</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>33781</td>
<td>SOC 690 AA By Arr</td>
<td></td>
<td>2.0</td>
<td>16-169</td>
<td>Acena, A.</td>
<td>2.0</td>
</tr>
<tr>
<td>33782</td>
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<td></td>
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<td>16-169</td>
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</tbody>
</table>

### SPANISH
For a general explanation of course numbers and levels, please see FOREIGN LANGUAGES, page 55.

#### SPAN 110 ELEMENTARY SPANISH
Conversation in Spanish. Dictation, reading, fundamentals of grammar, and writing of simple Spanish exercises. Two plus two lab hours by arrangement per week. **Recommended Preparation:** eligibility for ENGL 800/810 or 836/837 or a higher English course. Credit/No Credit or letter grade option. (CSU/UC)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course Title</th>
<th>Days</th>
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<tbody>
<tr>
<td>33793</td>
<td>SPAN 110 AA Daily</td>
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<td>8:10</td>
<td>16-252</td>
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</table>

#### SPAN 111 ELEMENTARY SPANISH I
Covers approximately the first half of the semester’s work in SPAN 110. Plus one lab hour by arrangement per week. **Recommended Preparation:** eligibility for ENGL 800/810 or 836/837 or a higher English course. Credit/No Credit or letter grade option. (CSU/UC*)

<table>
<thead>
<tr>
<th>CRN</th>
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<td>33795</td>
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<td>12:00</td>
<td>16-252</td>
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<td>3.0</td>
</tr>
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</table>

#### SPAN 112 ELEMENTARY SPANISH II
Covers approximately the second half of the semester’s work in SPAN 110. Plus one lab hour by arrangement per week. **Prerequisite:** SPAN 111 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
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</table>

#### SPAN 115 BEGINNING SPANISH I
TELECOUSE: Basic Spanish vocabulary and language structures studied through text, audio cassettes, and broadcast video tapes. Equivalent to SPAN 111 but without the oral component. Credit/No Credit or letter grade option. (CSU)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course Title</th>
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#### SPAN 116 BEGINNING SPANISH II
TELECOUSE: Basic Spanish vocabulary and language structures studied through text, audio cassettes, and broadcast video tapes. Equivalent to SPAN 112 but without the oral component. **Prerequisite:** SPAN 115 or equivalent. Credit/No Credit or letter grade option. (CSU)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course Title</th>
<th>Days</th>
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#### SPAN 117 ADVANCED BEGINNING SPANISH I
TELECOUSE: Continued elementary Spanish vocabulary and language structures studied through text, audio cassettes, and broadcast video

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
<table>
<thead>
<tr>
<th>Course Ref. No.</th>
<th>Class ID</th>
<th>Days</th>
<th>Hours</th>
<th>Bldg/Room</th>
<th>Instructor</th>
<th>Units</th>
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<td>MWF</td>
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<td>16-256</td>
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<tr>
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<td>MWF</td>
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<td>SPAN 140 AX</td>
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<tr>
<td>33668</td>
<td>SPAN 118 TV</td>
<td>See pages 98-102</td>
<td></td>
<td>TV-CRS Castillo, R.</td>
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</tr>
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</table>

**TV CLASSES**

- **SPAN 118 ADVANCED BEGINNING SPANISH II**
  - Teleco Urse. Continued elementary Spanish vocabulary and language structures studied through text, audio cassettes, and broadcast video tapes. Equivalent to SPAN 122 but without the oral component. *Prerequisite:* SPAN 117 or equivalent. Credit/No Credit or letter grade option. (CSU)

- **SPAN 131 INTERMEDIATE SPANISH I**
  - Covers approximately the first half of the semester's work in SPAN 130. Conversation, composition, grammar review, and selected readings. Plus one lab hour by arrangement per week. *Prerequisite:* SPAN 120 or 122 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

  - 32803 SPAN 131 AX MWF 11:10-12:00 16-256 Candamil, B. 3.0

- **SPAN 132 INTERMEDIATE SPANISH II**
  - Covers approximately the second half of the semester's work in SPAN 130. Conversation, composition, grammar review, and selected readings. Plus one lab hour by arrangement per week. *Prerequisite:* SPAN 131 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

  - 32804 SPAN 132 AX MWF 11:10-12:00 16-256 Candamil, B. 3.0

- **SPAN 140 ADVANCED INTERMEDIATE SPANISH**
  - Further practice in conversation and composition based on reading modern Spanish and Latin American authors; grammar review. *Prerequisite:* SPAN 130 or 132 or equivalent with Credit or a grade of C or higher. Credit/No Credit or letter grade option. (CSU/UC*)

  - 32805 SPAN 140 AX MWF 11:10-12:00 16-256 Candamil, B. 3.0

- **SPAN 690 SPECIAL PROJECTS**
  - Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 17, Room 169. Register after the first week of classes. *Prerequisite:* 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

  - 33259 SPAN 690 AA By Arr. 2.0 Hrs/Wk 17-169 Estes, S. 2.0
  - 33260 SPAN 690 BB By Arr. 1.0 Hrs/Wk 17-169 Estes, S. 1.0

- **SPAN 802 CONVERSATIONAL SPANISH II, ADVANCED ELEMENTARY**
  - Further work in conversation following the model of SPAN 801. *Prerequisite:* SPAN 801 or equivalent with Credit. Credit/No Credit grading. (This course will not fulfill the language requirement at California State Universities or the University of California.)

  - 33994 SPAN 802 JA T 7:00-9:50 16-168 Collis, H. 2.0

- **SPAN 803 CONVERSATIONAL SPANISH III, INTERMEDIATE**
  - More advanced work in conversation following the model of SPAN 802. *Prerequisite:* SPAN 802 or equivalent with Credit. Credit/No Credit grading. (This course will not fulfill the language requirement at California State Universities or the University of California.)

  - 33995 SPAN 803 JX W 7:00-9:50 14-102 Collis, H. 2.0

- **SPAN 804 CONVERSATIONAL SPANISH IV, ADVANCED INTERMEDIATE**
  - Further advanced work in conversation following the model of SPAN 803. *Prerequisite:* SPAN 803 or equivalent with Credit. Credit/No Credit grading. (This course will not fulfill the language requirement at California State Universities or the University of California.)

  - 33996 SPAN 804 JX W 7:00-9:50 14-102 Collis, H. 2.0

- **SPAN 805 CONVERSATIONAL SPANISH V, ADVANCED**
  - Advanced conversation based on current themes and selected readings, topical vocabulary, and syntactical structures to improve fluency. *Prerequisite:* SPAN 804 or equivalent with Credit. Credit/No Credit grading. (This course will not fulfill the language requirement at California State Universities or the University of California.)

  - 35686 SPAN 805 JX Th 7:00-9:50 14-102 Collis, H. 2.0

- **SPAN 806 CONVERSATIONAL SPANISH VI, UPPER ADVANCED**
  - Continuation of advanced conversation based on selected readings and syntactical structures of an increasingly demanding nature to develop a higher level of fluency. *Prerequisite:* SPAN 805 or equivalent with Credit. (This course will not fulfill the language requirement at California State Universities or the University of California.)

  - 36471 SPAN 806 JX Th 7:00-9:50 14-102 Collis, H. 2.0

**SPEECH COMMUNICATION**

For information about a Certificate of Completion in Speech Communication, see the catalog or contact the Language Arts Division Office (Building 17, Room 169, 574-6314).

- **SPCH 100 PUBLIC SPEAKING**
  - Practice in delivering speeches; study of effective communication; organizing and outlining; critical listening; analysis and evaluation. Plus one lab hour by arrangement per week. **Recommended Preparation:** eligibility for ENGL 100. (CSU/UC) (CAN SPCH 4)

  - 32807 SPCH 100 AD MWF 9:10-10:00 18-289 Motoyama, C. 3.0
  - 32808 SPCH 100 AF TTh 9:45-11:00 16-256 Motoyama, C. 3.0

Speech Communication courses continued on next page
SPCH 110 ORAL INTERPRETATION I
Oral reading of poetry, short stories, drama; analysis of meaning, voice quality; enunciation, pronunciation, and expressiveness; recordings and performances for audiences. Plus one lab hour by arrangement per week. Recommended Preparation: eligibility for ENGL 100. (CSU/UC)

SPCH 111 ORAL INTERPRETATION II
Continuation of oral reading of poetry, short stories, drama; analysis of meaning, voice quality; enunciation, pronunciation, and expressiveness; recordings and performances for audiences. Plus one lab hour by arrangement per week. Prerequisite: SPCH 110 with a grade of C or higher. (CSU/UC)

SPCH 120 INTERPERSONAL COMMUNICATION
Theory and practice of interpersonal communication skills. Analysis of perception, verbal and nonverbal messages, listening skills, and strategies for resolving conflict. Plus one lab hour by arrangement per week. Recommended Preparation: eligibility for ENGL 800 or 836. (CSU/UC)

SPCH 140 SMALL GROUP DISCUSSION
Understanding of the principles of group interaction and decision making. Participation in discussion groups to share information, solve problems, and reach consensus. Plus one per hour by arrangement per week. Recommended Preparation: eligibility for ENGL 100. (CSU/UC)

SPCH 150 COMMUNICATING ACROSS CULTURES
Study of round table discussion, panel discussion, and public speaking in an intercultural context in U.S. Plus one lab hour by arrangement per week. Recommended Preparation: eligibility for ENGL 100. (CSU/UC)

SPCH 180 FAMILY COMMUNICATION
TELECO URS: Through the televised segments, this course explores family interaction patterns through discussion, exercises, video guests, and in-studio guests. Examines the ways in which family members communicate, make decisions, settle conflict, and learn to relate to one another. Recommended Preparation: eligibility for ENGL 100 and completion of SPCH 120. (CSU)

SPCH 690 SPECIAL PROJECTS
Independent study in a specific field or topic. Requires approval of Division Dean; Bldg. 17, Room 169. Register after the first week of classes. Prerequisite: 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)

SPCH 841 CONVERSATION FOR NON-NATIVE SPEAKERS I
Introduction, comprehension, and practice of listening and speaking skills. It is recommended that students enroll concurrently in ENGL 841 or higher course, READ 841 or higher course, and READ 807. Plus one lab hour by arrangement per week. Credit/No Credit grading. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

SPCH 842 CONVERSATION FOR NON-NATIVE SPEAKERS II
Continued introduction of listening and speaking skills. Plus one lab hour by arrangement per week. Recommended Preparation: SPCH 841 with Credit (or appropriate skill level as indicated by placement tests and other measures). It is recommended that students enroll concurrently in ENGL 841 or higher course, READ 841 or higher course, and READ 807. Plus one lab hour by arrangement per week. Credit/No Credit grading. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

SPCH 843 CONVERSATION FOR NON-NATIVE SPEAKERS III
Advanced practice in conversation, listening, and pronunciation skills. Plus one lab hour by arrangement per week. Recommended Preparation: SPCH 842 with Credit (or appropriate skill level indicated by placement tests and other measures). It is recommended that students enroll concurrently in ENGL 843 or higher course, READ 843, READ 816, 826, or 836. Credit/No Credit or letter grade option. May be taken twice for a maximum of 6 units. (Units do not apply toward AA/AS degree.)

SPCH 845 CONVERSATION FOR NON-NATIVE SPEAKERS IV
Advanced practice in conversation, listening, and pronunciation skills, the use of idiomatic expressions, and note-taking. Plus one lab hour by arrangement per week. Recommended Preparation: SPCH 843 with Credit (or appropriate skill level as indicated by placement tests and other measures). It is recommended that students enroll concurrently in ENGL 844 or higher course and READ 800, 801, or 802. Credit/No Credit or letter grade option. (Units do not apply toward AA/AS degree.)

An X in the Class ID indicates a class that meets concurrently with another class (e.g., ART 201 JX/ART 202 JX).
### WELDING

**WELD 120 ELEMENTARY WELDING THEORY II**  
Introduction to conventional arc welding of steel, stainless steel and TIG welding of aluminum. Student must provide personal tools and extra supplies. Plus one lab hour by arrangement per week. **Corequisite:** WELD 110/111. **Unit:** 4.0  
32868 WELD 120 AA MWF 11:10 12:20 26-140 Combs, D. 4.0

**WELD 121 ELEMENTARY WELDING PRACTICE II**  
Advanced experience in welding steel and aluminum. Student must provide personal tools and extra supplies. Plus one lab hour by arrangement per week. **Corequisite:** concurrent enrollment in WELD 120. **Unit:** 3.0  
32869 WELD 121 AA MWF 8:10 11:00 27-110 Combs, D. 3.0

**WELD 220 ADVANCED WELDING THEORY II**  
Theory of MIG, pulsed MIG, TIG, electron beam, sub-arc, electro-slag and pipe welding. Extra supplies required. A $20.00 materials fee is payable upon registration. **Corequisite:** WELD 210/211. **Unit:** 3.0  
32870 WELD 220 AA TTh 10:10 12:00 26-140 Combs, D. 4.0

**WELD 221 ADVANCED WELDING PRACTICE II**  
Experience in welding exotic metals and advanced techniques. Job estimation, production and maintenance techniques. Job must provide personal tools and extra supplies. Plus one lab hour by arrangement per week. **Corequisite:** concurrent enrollment in WELD 220. **Unit:** 5.0  
32871 WELD 221 AA Daily 7:10 10:00 27-110 Combs, D. 5.0

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**SPCH 844 SPEECH FOR NON-NATIVE SPEAKERS**  
Practice in using pitch, rate, volume, and vocal quality to convey accurate meaning and emotion; practice in discussion, interviews, and extemporaneous public speaking; listening skills appropriate for discussions, interviews, and public speaking. Plus one lab hour by arrangement per week. **Prerequisite:** SPCH 842 or equivalent with Credit or a grade of C or higher (or appropriate skill level indicated by placement tests and other measures). It is recommended that students enroll concurrently in ENGL 844 or higher course and READ 826, 836, or 420. Credit/No Credit or letter grade option.  
32836 SPCH 844 AA MWF 11:10 12:20 16-153 Kramm, G. 3.0

**WELD 250 FUNDAMENTALS OF NON-DESTRUCTIVE TESTING**  
A study of the history and development of nondestructive testing and the conditions necessary to perform meaningful nondestructive testing. (CSU)  
**EVENING CLASSES**  
32872 WELD 250 JA T 7:00 8:50 26-140 Staff 2.0

**WELD 300 WELDING FOR TECHNOLOGY**  
Theory of oxyacetylene, bronze, conventional shielded metal arc, low hydrogen shielded metal arc, resistance welding, and silver brazing. Plus one lab hour by arrangement per week. Extra supplies required. A $20.00 materials fee is payable upon registration. (CSU)  
**EVENING CLASSES**  
32873 WELD 300 JA Th 9:00 10:50 26-140 Shoup 2.0

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### FABRICATION I

Fundamentals of metal fabrication, surface treatment, tolerances, and production. Shop skills and techniques will be demonstrated. Students will design and build a project out of metal. **Prerequisite:** 6 units of WELD 680, Beginning Welding and Metal Fabrication for Craftspersons and Artists. (CSU)  
**EVENING CLASSES**  
36522 WELD 681 JA MW 6:00 7:50 25-170 Vorobey, V. 3.0

**WELD 690 SPECIAL PROJECTS**  
Independent study in specific field or topic. Requires approval of Division Dean; Bldg. 19, Room 113. Register after the first week of classes. **Prerequisite:** 3.0 GPA in subject field and successful completion of at least two college-level courses in subject field. (CSU)  
33991 WELD 690 AA By Arr 19-113 McGinnis, T. 2.0  
33999 WELD 690 BB By Arr 19-113 McGinnis, T. 1.0

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**WORLDPLACE WELLNESS**

**PHYSICALLY CHALLENGED ADULTS ACHIEVE WORLDPLACE WELLNESS AT CSM!**  
The Workplace Wellness Program focuses on promoting long-term wellness among those with either chronic disabilities or temporary injuries who seek retraining or immediate re-entry into the work force or who need to maintain their current employment. CSM staff work closely with health care providers and employment agencies to provide physical education classes tailored to the students’ needs, evaluation and monitoring of fitness status, academic and vocational counseling, and access to a variety of other services to help participating students return to work. The following Workplace Wellness program courses are offered this semester.  
**ADAP 150**  
Workplace Wellness (first 8 weeks)  
**ADAP 150**  
Workplace Wellness (second 8 weeks)  
For course descriptions and class meeting times, see listing under Physical Education (Adapted) on page 76.
### Off-Campus Locations

<table>
<thead>
<tr>
<th>Location</th>
<th>Address</th>
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<tbody>
<tr>
<td>CAN</td>
<td>Cañada Cove</td>
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<tr>
<td></td>
<td>Highway 1 and Miramontes Point Road</td>
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<tr>
<td></td>
<td>Half Moon Bay</td>
</tr>
<tr>
<td>COAST</td>
<td>The Senior Coastsiders - Adcock Community Center</td>
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<tr>
<td></td>
<td>535 Kelly Avenue</td>
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<td>Half Moon Bay</td>
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<td>CPFR</td>
<td>Coyote Point Firearms Range</td>
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<tr>
<td></td>
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<td>San Mateo General Hospital</td>
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<td>222 West 39th Avenue</td>
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<td></td>
<td>San Mateo</td>
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<tr>
<td>SMSN</td>
<td>San Mateo Senior Center</td>
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<tr>
<td></td>
<td>2645 Alameda de las Pulgas</td>
</tr>
<tr>
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</tr>
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</table>

### IF YOU CAN’T FIND IT AT CSM

San Mateo County Community College District also operates Cañada College in Redwood City and Skyline College in San Bruno which offer a number of special programs not available at College of San Mateo:

#### Cañada College
4200 Farm Hill Blvd.  
Redwood City, CA 94061  
(650) 306-3100 or  
(650) 364-1212

**Programs**
- Center for the American Musical Drama
- Early Childhood Education (Certificate)
- English Institute
- Fashion/Design
- Food Service
- Interior Design (Certificate)
- Paralegal
- Radiologic Technology
- Small Business Development and Job Training Center (Office Automation and Small Business Development)
- Travel Industry Careers
- Tourism

**Athletics**
- Men’s Golf
- Men’s Soccer
- Men’s Tennis
- Women’s Badminton
- Women’s Soccer

#### Skyline College
3300 College Drive  
San Bruno, CA 94066  
(650) 355-7000 (day)  
(650) 738-4251 (evening)

**Programs**
- Automotive Technology
- Convention and Meeting Management
- Cosmetician/Esthetician (Eve. & Sat.)
- Early Childhood Education
- Fashion Merchandising
- Fiber Optics/Telecommunications
- Home Economics
- Hospitality Administration
- Hotel Operations
- International Trade
- Image Consulting
- Japanese Automotive Technology
- Paralegal
- Public Transit Management
- Recreation Education
- Respiratory Therapy
- Surgical Technology
- Telecommunications Technology
- Toyota Technical Education Network

**Athletics**
- Men’s Basketball
- Men’s Soccer
- Men’s Wrestling
- Women’s Badminton
- Women’s Soccer
- Women’s Volleyball
Final Exam Schedule

Final examinations are held in the classroom in which the class has met during the semester.

Students are requested not to contact instructors or the Office of Admissions and Records for individual grades. Final grades will be available beginning June 9, 2003, on SMART and the Web (http://goscm.net).

Day Classes

<table>
<thead>
<tr>
<th>Time and Days of Regular Class Meeting</th>
<th>Day and Time of Final Examination</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 a.m. Daily and</td>
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<tr>
<td>MTWTh; MWF; MW; W; F .................. Wednesday, May 21</td>
<td>8:10 a.m. to 10:40 a.m.</td>
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<tr>
<td>T; Th; TTh ................................ Thursday, May 22</td>
<td>8:10 a.m. to 10:40 a.m.</td>
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<td>9 a.m. Daily and</td>
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<tr>
<td>MTWTh; MWF; MW; W; F .................. Monday, May 19</td>
<td>8:10 a.m. to 10:40 a.m.</td>
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<tr>
<td>T; Th; TTh ................................ Tuesday, May 20</td>
<td>8:10 a.m. to 10:40 a.m.</td>
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<td>10 a.m. Daily and</td>
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<td>MTWTh; MWF; MW; W; F .................. Wednesday, May 21</td>
<td>11:10 a.m. to 1:40 p.m.</td>
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<td>Noon Daily and</td>
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<tr>
<td>MTWTh; MWF; MW; W; F .................. Wednesday, May 21</td>
<td>2:10 p.m. to 4:40 p.m.</td>
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<td>T; Th; TTh ................................ Tuesday, May 20</td>
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<td>1 p.m. Daily and</td>
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</table>

Notes: When a class meets for one hour on one day and two hours on a second day, or for 1 1/2 hours on two days per week, the final examination is scheduled at the hour common to both days (e.g. T 10 and Th 9-11 or TTh 9:45-11, the examination will be scheduled according to 10 TTh). When a course consists of both lecture and laboratory sessions, the final exam is scheduled in accordance with the lecture hours.

Unavoidable conflicts may arise in cases such as a two-unit class meeting two hours a week on Monday and Wednesday and a one-unit class meeting at the same hour on Friday. Students with such conflicts should make arrangements with one of the instructors to take the exam with another group.

**Evening Classes**

Final examinations for all short courses and weekend courses will be given during the last scheduled class meeting. Final examinations for semester-long evening courses are as follows:

- Saturday only  May 17
- Monday only    May 19
- Tuesday only   May 20
- Wednesday only May 21
- Thursday only  May 22
- Friday only    May 23
- Monday/Wednesday May 21
- Monday/Thursday May 22
- Tuesday/Thursday May 22