COURSES

ACADEMIC SKILLS (ACSK)
AG TECHNOLOGY (AGTC)
AMERICAN SIGN LANGUAGE (ASL)
ANTHROPOLOGY (ANTH)
ARCHITECTURE (ARCH)
ART (ART)
ASTRONOMY (ASTR)
ATHLETICS (ATHL)
AUTOMOTIVE TECHNOLOGY (ATCH)
BIOLOGY (BIO)
BROADCAST COMMUNICATIONS (BCST)
BUSINESS (BUS)
CHEMISTRY (CHEM)
COMMUNICATION STUDIES (COMM)
COMPUTER APPL/OFFICE ADMIN (CAOA)
COMPUTER INFORMATION SYSTEMS (CIS)
COMPUTER AND NETWORKING TECHNOLOGY (CNET)
CONSTRUCTION TECHNOLOGY (CTCH)
COUNSELING (COUN)
CRIMINAL JUSTICE (CJ)
CULINARY ARTS (CUL)
DANCE (DANC)
DRAMA (DRA)
EARLY CHILDHOOD EDUCATION (ECE)
ECONOMICS (ECON)
ELECTRONICS AND ELECTRICAL TECHNOLOGY (EET)
EMERGENCY MEDICAL SERVICES (EMS)
ENGINEERING (ENGR)
ENGLISH (ENGL)
ENGLISH AS A SECOND LANGUAGE (ESL)
FAMILY STUDIES (FMST)
FASHION DESIGN AND MERCHANDISING (FDM)
FRENCH (FR)
GEOGRAPHY (GEOG)
 GEOLOGY (GEOL)
GERMAN (GER)
HEALTH EDUCATION (HEED)
HIGH SCHOOL DIPLOMA (HSD)
HISTORY (HIST)
HOSPITALITY (HOSP)
INTERIOR DESIGN (ID)
JOURNALISM (JOUR)
KINESIOLOGY THEORY (KINE)
LEADERSHIP (LDER)
LEGAL (LGL)
LIBRARY/INFORMATION TECHNOLOGY (LIBT)
LICENSED VOCATIONAL NURSING (LYN)
MATHEMATICS (MATH)
MEDICAL ASSISTING (MAST)
METEOROLOGY (METE)
MUSIC (MUS)
NURSING ASSISTANT (NAST)
NURSING, REGISTERED ASSOCIATE DEGREE (NRAD)
NUTRITION (NUTR)
ONLINE (DIST)
PARALEGAL (PLGL)
PHILOSOPHY (PHIL)
PHYSICAL EDUCATION ADAPTED (PEAD)
PHYSICAL EDUCATION ACTIVITY (PEAC)
PHYSICAL SCIENCE (PSCI)
PHYSICS (PHYS)
POLITICAL SCIENCE (POLS)
PSYCHIATRIC TECHNICIAN (PSYT)
PSYCHOLOGY (PSYC)
REAL ESTATE (RE)
RECREATION ADMINISTRATION (REC)
SOCIOLOGY (SOC)
SPANISH (SPAN)
VOCATIONAL ESL (VESL)
WELDING (WELD)
WELLNESS (WELL)
WORK EXPERIENCE (WEXP)
ACADEMIC SKILLS [ACSK]

001 COMPUTER ACCESS EVALUATION (0.5)
0.5 hours lecture per week
Associate Degree Non-Applicable
Provides a diagnostic evaluation to determine whether the student possesses the necessary skills to benefit from participation in the Assistive Technology Center for the Disabled. Evaluation areas include cognitive processing abilities, keyboard access, general mobility and seating, educational or vocational goals.

004 ADAPTED STUDIES: LECTURE (2.0 to 1.0)
2.0 hours lecture per week
Associate Degree Non-Applicable
Presents a 9-week basic word processing course. Emphasizes assistive hardware and software (speech synthesizers, screen enlargers, spell-checkers, keyboard alternatives) and beginning word processing skills (editing, saving, printing, formatting, file management). Designed for students with verified disabilities. May include computer assisted instruction, audiotorial programs, individual assignments, or tutoring in specialized topics. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised. Repeatable 3 times.

005 ACADEMIC SUPPORT LABORATORY (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Non-Applicable
Provides students with specialized programs designed to improve basic skills in reading, spelling, grammar, vocabulary, mathematics, study skills, and English as a Second Language. Students work independently and at their own pace using computers, audio-tutorial tapes, and supplemental materials. Laboratory time is arranged with the instructor. Repeatable 3 times.

007 ADAPTED STUDIES: LABORATORY (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Non-Applicable
Presents individualized curricula and instruction to meet identified special learning needs of disabled students. May include computer assisted instruction, audiotorial programs, individual assignments, or tutoring in specialized topics. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised. Repeatable 3 times.

010 KEYBOARDING FOR COMPUTER ACCESS (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Non-Applicable
Provides keyboarding basics to students with disabilities. Incorporates adaptive technologies into the context of computer tutorials. Repeatable 1 time.

013 COMPUTER ACCESS: ADAPTED WORD PROCESSING (1.0)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Non-Applicable
Advisory: Ability to type 15 words per minute.
Presents the use of computer access technologies for students with physical and/ or learning disabilities within the context of word processing. May include computer assisted instruction, audiotorial programs, individual assignments or projects.

019 INTRODUCTION TO COMPUTERS USING ASSISTIVE TECHNOLOGY (3.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
An introduction to computers designed for students with disabilities. Discusses the history of the personal computer as well as how it relates to students with disabilities. Students will also learn about the components that make up a personal computer and relevant information which will enable them to create an ideal computer system for themselves. Repeatable 3 times.

022 INTRODUCTION TO THE INTERNET USING ASSISTIVE TECHNOLOGY (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Non-Applicable
An introduction to the Internet designed for students with disabilities. Discusses the Internet as well as how it relates to students with disabilities. Students will also learn about the components that make up the Internet and relevant information, which will allow them to search on the Internet with the latest search engines. New technologies affecting the Internet will also be discussed and used in context to the educational setting. Repeatable 3 times.

025 COMPUTER ACCESS: ADAPTED WORD PROCESSING I (2.0)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Non-Applicable
Advisory: Ability to type 20 words per minute (depending upon nature of disability).
Introduces the use of microcomputer access technologies for students with physical or learning disabilities within the context of word processing. Continue ACSK 025. Enhances the student's skills through the completion of assignments or projects. Repeatable 1 time.

028 COMPUTER ACCESS: WORD PROCESSING II (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Non-Applicable
Advisory: ACSK 025 or equivalent.
Continues ACSK 025. Enhances the student’s skills through the completion of assignments or projects. Repeatable 3 times.

031 COMPUTER ACCESS: APPLICATIONS (2.0)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Non-Applicable
Advisory: MATH 003, ENGL 099, Ability to type 15 words per minute.
Presents the use of computer access technologies for students with physical and/ or learning disabilities within the context of word processing, database, and spreadsheet programs. Designed for students with verified disabilities. Repeatable 1 time.

032 READING COMPREHENSION (2.0 to 1.0)
2.0 hours lecture per week
Associate Degree Non-Applicable
Designed for students who have difficulty understanding and remembering what they read. Includes progressive instruction in sentence, paragraph, essay, and textbook chapter comprehension. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised. Repeatable 2 times.

036 READING ESSENTIALS (3.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Promotes understanding and retention of textbook information. Explores myths and misconceptions of the reading process and facilitates increased reading efficiency. Promotes interpretive and application skills of comprehension and develops vocabulary through the integration of content area materials.

040 DIAGNOSTIC TESTING FOR LEARNING DISABILITY (0.5)
0.5 hours lecture per week
Associate Degree Non-Applicable
Assesses eligibility for Disabled Student Programs and Services according to California Community College Title V regulations. Develops a Student Educational Contract (SEC). Provides placement recommendations, support, and counseling. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.

047 INDEPENDENT STUDIES: ACADEMIC SKILLS (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Non-Applicable
Prerequisite: The student must have completed preparatory course work in the field
in which the study is to be undertaken
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of learning skills under the direction of an instructor. An appointment with a Disabled Student Programs and Services faculty member is strongly advised.
Repeatable 3 times.

050 WRITING FUNDAMENTALS (3.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Advisory: For Speakers of languages other than English, completion of the English as a Second Language (ESL) sequence is highly recommended.
Focuses on the grammar, punctuation, sentence writing, and paragraph writing skills students need to succeed in basic English courses. Provides intensive practice, multi-sensory instruction, and individualized assistance to promote the written language development of students with diverse needs and backgrounds, including students with learning disabilities and speakers of other languages. Offered as a prerequisite to the basic English writing course for students who do not receive a qualifying score on the Assessment test or equivalent.
Repeatable 3 times.

058 GRAMMAR ESSENTIALS (2.0)
2.0 hours lecture per week
Associate Degree Non-Applicable
Focuses on the basic grammar, punctuation, and usage skills essential for effective writing. Provides extensive practice to apply and reinforce written language skills with an emphasis on identifying and correcting common sentence errors.
Repeatable 3 times.

075 ARITHMETIC FUNDAMENTALS (4.0)
4.0 hours lecture per week
Associate Degree Non-Applicable
Provides a basic arithmetic and math study skills course for students who have a history of difficulties in mathematics. This course uses alternative and active approaches for learning the concepts and skills of place value, basic operations, fractions, decimals, percentages, word problems, learning styles, and math study strategies.

093A WELLNESS ARTS (2.0)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Non-Applicable
Advisory: Consult with Wellness Arts Coordinator
Presents art as a tool for processing, expressing and managing mental health issues as well as working at problem. Designed for students who struggle with levels of anxiety, sadness, intrusive thoughts, and social phobia that may make attending and succeeding in college difficult.

099 NON-CREDIT SUPERVISED TUTORING (0.0)
4.0 hours laboratory per week
Prerequisite: Enrollment in a Cuesta College credit course and referral by a counselor and/or instructor.
Provides non-credit basic skills and all other content area courses supervised tutoring for students one-to-one and in small groups. Includes assessment of study skills, exam reviews and study sessions.
Repeatable.

120 LEARNING ESSENTIALS FOR COLLEGE SURVIVAL (1.5)
3.0 hours lecture per week
Associate Degree Applicable
Presents essential study methods that promote college success. Including, but not limited to: managing and maximizing learning and study time; critical thinking: levels of comprehension; understanding textbooks and other written material; active listening and notetaking strategies; test preparation: synthesizing and reviewing course content; test taking strategies; and campus resources.

121 STRATEGIC TEXTBOOK STUDY (0.5)
0.5 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Enhances effective reading strategies necessary for comprehension and retention of college textbook information. Focuses on self-regulating learning strategies for metacognition, active reading, note-taking, rate flexibility, vocabulary development, and inferential and critical reading.

168 TUTOR TRAINING: SELECTED TOPICS (1.0 to 0.5)
1.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Provides specialized information and guided practice in designated topics or projects. Tutors gain expertise in subject areas not offered in other tutor training courses. An appointment with the Tutorial Services Coordinator prior to enrollment is strongly advised.

193 ACADEMIC SKILLS SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

225 COLLEGE SUCCESS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
A comprehensive course that integrates personal growth and values, academic study strategies, and critical and creative thinking proficiency. This survey course focuses on life management, learning styles, personal and educational values, time management, instructor-student relations, maintaining health, memory and concentration, lecture note-taking, textbook studying, subject-specific studying, test taking, using the library, critical analysis, problem solving, and creative thinking. Emphasis is on the attainment of life-long success in academic, professional and personal development.
Transfer: CSU; UC (For maximum credit of one course between ACSK 225 and PETH 210).

227 TEST AND PERFORMANCE ANXIETY (1.5)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Explores the relationship between the physiological, psychological, and emotional responses to test and performance anxiety. Course investigates the theories of stress and anxiety and offers guided practice in the cognitive, meditative, and biofeedback-aided techniques to manage anxiety while taking a test, succeeding in math, giving a speech, and/or competing in a sports event.
Transfer: CSU.

247 INDEPENDENT STUDIES: ACADEMIC SKILLS (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Advisory: Eligibility for ENGL 156.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of tutor training or disability research.
Repeatable 3 times.
Transfer: CSU.

500 GED TEST PREPARATION (0.0)
3.0 hours laboratory per week
Designed to prepare students in basic skills, including the five areas of the GED examination: Mathematics, Science, Social Studies, Language Arts-Writing I and II, and Language Arts-Reading. Material is presented through a variety of methods, including teacher-led, computer-assisted and individualized instruction as well as working at problem.
Repeatable.
ADAPTED PHYSICAL ED. (PEAD)

200  ADAPTED AQUATICS  (1.0)
3.0 hours laboratory per week
Associate Degree Applicable
Provides an individualized aquatic exercise program for students with a disability. Improves flexibility, strength, and endurance using the water as a source of buoyancy and resistance. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.
Repeatable 3 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

205  ADAPTED FITNESS: WEIGHT TRAINING  (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Applicable
Provides an individualized fitness program for students with a disability using resistive exercises and equipment. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.
Repeatable 3 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

AG TECHNOLOGY (AGTC)

105  VINEYARD PRUNING  (0.5)
9.0 hours lecture per week
Associate Degree Applicable
Presents theory and field practice of pruning head, cane, and cordon vines. Includes training of young and mature vines.

110  PROPAGATION TECHNIQUES  (0.5)
9.0 hours lecture per week
Associate Degree Applicable
Presents rootstock and “T” budding of older vines to change varieties. Examines pros and cons of various propagation techniques used in vineyards. Covers care of vines following budding.

115  VINEYARD IRRIGATION AND FERTILIZATION  (1.0)
6.0 hours lecture per week
Associate Degree Applicable
Studies rootstocks and phylloxera concerns, water and nutrition needs, water application techniques, irrigation and fertilizer injection systems.

120  VINEYARD CANOPY MANAGEMENT  (1.0)
9.0 hours lecture per week
Associate Degree Applicable
Studies the latest techniques in developing trellis systems to improve both grape and wine quality.

130  BASIC VITICULTURE  (1.0)
3.0 hours lecture per week
Associate Degree Applicable
Basic principles of plant growth, physiology, and anatomy as they pertain to grapevines. Fundamentals of irrigation, fertilization, and pest management will be discussed.

135  PEST CONTROL MANAGEMENT UPDATE  (0.5)
9.0 hours lecture per week
Associate Degree Applicable
Presents lectures in entomology and related subjects in pest control management. Also provides update training for persons with a pest control license.
Repeatable 3 times.

140  SOIL FERTILITY AND QUALITY IN CENTRAL COAST VITICULTURE  (0.5)
9.0 hours lecture per week
Associate Degree Applicable
Presents basic soil science and soil quality issues needed in growing wine grapes in the Central Coast wine growing region. The focus is on soil textures, soil fertility, soil quality and estimating the available water holding capacities. Soil profiles and other essential soil properties will be investigated by using backhoe pits.

147  INDEPENDENT STUDIES: AGRICULTURE  (4.0 to 0.5)
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic of agriculture under direction of an instructor.
Repeatable 1 time.

135  PEST CONTROL MANAGEMENT UPDATE  (0.5)
9.0 hours lecture per week
Associate Degree Applicable
Presents lectures in entomology and related subjects in pest control management. Also provides update training for persons with a pest control license.
Repeatable 3 times.

193  AGRICULTURE TECHNOLOGY SPECIAL TOPIC  (4.0 to 0.5)
Associate Degree Applicable

195  TECHNICAL CAREER PREPARATION IN AGRICULTURE  (1.0)
1.0 hours lecture per week
Associate Degree Applicable
Overview of agricultural careers with focus on preparing for the job market. Includes discussion of career opportunities in agriculture, both union and non-union. Focus on providing the tools necessary to target and obtain a position in the agriculture industry.
Repeatable 2 times.

AMERICAN SIGN LANGUAGE (ASL)

215A  BEGINNING AMERICAN SIGN LANGUAGE  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Introduces expressive and receptive skills used in American Sign Language (ASL) through vocabulary development, grammar, non-manual behaviors, and finger spelling. Provides exposure to Deaf Culture by reviewing the history of ASL, dynamics of the Deaf Community, varieties of manual communication, Deaf President Now protest, and cultural customs of communication.
Transfer: CSU; UC.

215B  AMERICAN SIGN LANGUAGE II  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ASL 215A with a grade of C or better
Introduces expressive and receptive skills used in American Sign Language (ASL) through vocabulary development, grammar, non-manual behaviors, and finger spelling. Provides exposure to Deaf Culture by reviewing the history of ASL, dynamics of the Deaf Community, varieties of manual communication, Deaf President Now protest, and cultural customs of communication.
Transfer: CSU; UC.

215C  AMERICAN SIGN LANGUAGE III  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ASL 215A with a grade of C or better or equivalent
Continues exposure to Deaf Culture through awareness of cross-cultural communications; history of the Deaf in America and customs of the Deaf community.
Transfer: CSU; UC.
ANTHROPOLOGY [ANTH]

201 PHYSICAL ANTHROPOLOGY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Prerequisite: The student must have completed preparatory course work in the field.
Presents an introduction to the science of physical anthropology. Topics include: the fields of anthropology, the scientific method, evolutionary theory, genetics and inheritance, human variation, biology and behavior of living primates, and the fossil evidence of human evolution.
Transfer: CSU; UC.

201L PHYSICAL ANTHROPOLOGY LABORATORY (1.0)
3.0 hours laboratory per week
Associate Degree Applicable
Corequisite: ANTH 201
Advisory: ENGL 156.
Utilizes the hands-on laboratory approach in studying primatology, osteology, dentition, genetics and human variation. Both fossil and contemporary will be studied.
Transfer: CSU; UC.

202 ARCHAEOLOGY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Prerequisite: ARCH 221, plus the principles, concepts, methods and skills pertaining to the study of ancient human cultures and societies.
Continuation and extension of the content and issues introduced in ARCH 221, 222, 251 and 252.
Transfer: CSU; UC.

203 CULTURAL ANTHROPOLOGY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Prerequisite: ANTH 201
Corequisite: ARCH 221
Presents an introduction to the concepts of cultural anthropology, different perspectives for the study of culture and their application. Primitive cultures are studied both as they existed before contact with Western civilization and as they are today.
Transfer: CSU; UC.

220 CALIFORNIA INDIANS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Prerequisite: ANTH 201
Provides an introduction to the history and culture of the California Indians, including their prehistory, the Indians at the time of European contact, the Spanish period, the early Anglo-American period, and the Indians today.
Transfer: CSU; UC.

221 NORTH AMERICAN INDIANS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Prerequisite: ANTH 201
Presents a history of the North American Indians, including their prehistory, the Indians at the time of European contact, the Spanish period, the early Anglo-American period, and the Indians today.
Transfer: CSU; UC.

225 CONTEMPORARY CULTURES OF THE WORLD (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Studies the ways of life of people in different regions of the world, including Latin America, Middle East, East Asia, and Africa. Beliefs, values, and other social characteristics such as family, economics, and religion will be studied.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: ANTHROPOLOGY (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of anthropology under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU; UC.

ARCHITECTURE [ARCH]

193 ARCHITECTURE SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Prerequisite: ARCH 221
Examines a special topic in the field of study related to the discipline offering this course.

195 TECHNICAL CAREER PREPARATION IN ARCHITECTURE (1.0)
1.0 hour lecture per week
Associate Degree Applicable
Prerequisite: ARCH 221
Overview of architectural careers with focus on preparing for the job market. Includes discussion of career opportunities in architecture, both union and non-union. Focus on providing the tools necessary to target and obtain a position in the architectural industry.
Repeatable 2 times.

201 INTRODUCTION TO ARCHITECTURE AND ENVIRONMENTAL DESIGN (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ARCH 221
Advisory: ENGL 156.
Introduces the role of the architect in the development of the built environment.
Provides an introduction to the architectural profession and how it relates to other environmental design fields, such as city and regional planning, urban design, and landscape architecture. Examines how building and environmental design professions are responding to the profound challenges of living sustainability in the 21st century. This course is intended for the student intending to transfer to a university major in architecture or a related environmental design discipline.
Transfer: CSU; UC. (For UC, maximum credit of 18 units between ARCH 201, 213, 221, 222, 251 and 252).

205 ARCHITECTURAL MODEL MAKING (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ARCH 221 and CTCH 250
Advisory: Completion of or concurrent enrollment in ARCH 222, ARCH 231, or high school drafting.
Introduces basic concepts and creation of 3D scaled material architectural models for visualization and communication of architectural design.
Repeatable 3 times.
Transfer: CSU.

221 DESIGN AND VISUAL COMMUNICATION I (4.0)
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ARCH 221 and CTCH 250
Provides an introduction to the principles, concepts, methods and skills pertaining to freehand and computer-assisted drawing, and the use of computer-aided design and drafting (CADD) software. Introduces basic principles of two- and three-dimensional visual design. Covers basic color theory principles, concepts and application; basic physical model making concepts and skills; shadow casting principles, conventions and techniques for orthographic, axonometric, oblique and perspective drawing systems.
Transfer: CSU; UC. (For UC, maximum credit of 18 units between ARCH 201, 213, 221, 222, 251 and 252).

222 DESIGN AND VISUAL COMMUNICATION II (4.0)
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ARCH 221 and Completion of or concurrent enrollment in ARCH 232
Continuation and extension of the content and issues introduced in ARCH 221, plus the principles, concepts, methods and skills pertaining to the...
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours per week:</th>
<th>Transfer:</th>
<th>Prerequisite</th>
<th>Advisory:</th>
</tr>
</thead>
<tbody>
<tr>
<td>230</td>
<td>ARCHITECTURAL COMPUTER AIDED DRAFTING AND DESIGN</td>
<td>3.0</td>
<td>5.0</td>
<td>CSU</td>
<td>2.0 hours lecture, 3.0 hours laboratory</td>
<td>Advisories: ARCH 231 and ENGR 125.</td>
</tr>
<tr>
<td>232</td>
<td>ARCHITECTURAL DESIGN &amp; PRESENTATION COMPUTER GRAPHICS</td>
<td>3.0</td>
<td>5.0</td>
<td>CSU</td>
<td>2.0 hours lecture, 3.0 hours laboratory</td>
<td>Advisories: ARCH 221.</td>
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<tr>
<td>242</td>
<td>INTRODUCTION TO ARCHITECTURAL PRACTICE</td>
<td>3.0</td>
<td>5.0</td>
<td>CSU</td>
<td>2.0 hours lecture, 3.0 hours laboratory</td>
<td>Advisories: CTCH 250, ARCH 221, and completion of or concurrent enrollment in ARCH 230.</td>
</tr>
<tr>
<td>244</td>
<td>ARCHITECTURAL ENVIRONMENT CONTROL SYSTEMS</td>
<td>3.0</td>
<td>5.0</td>
<td>CSU</td>
<td>2.0 hours lecture, 3.0 hours laboratory</td>
<td>Advisories: PHYS 205B.</td>
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<tr>
<td>245</td>
<td>INTRODUCTION TO GREEN BUILDING AND LEED GREEN ASSOCIATE CREDENTIAL PREPARATION</td>
<td>1.5</td>
<td>1.5</td>
<td>CSU</td>
<td>1.5 hours lecture per week</td>
<td>Advisories: ARCH 244 or CTCH 250 or ID 276 or equivalent professional experience</td>
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<tr>
<td>246</td>
<td>GREEN BUILDING AND LEED AP BD+C EXPERIENCE</td>
<td>1.5</td>
<td>1.5</td>
<td>CSU</td>
<td>1.5 hours lecture per week</td>
<td>Advisories: ARCH 245 and LEED Green Associate Credential Prep. or equivalent professional experience</td>
</tr>
<tr>
<td>247</td>
<td>INDEPENDENT STUDIES: ARCHITECTURE</td>
<td>2.0 to 0.5</td>
<td>1.5</td>
<td>CSU</td>
<td>1.5 hours lecture per week</td>
<td>Advisories: The student must have completed preparatory course work in the field in which the study is to be undertaken.</td>
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<tr>
<td>248</td>
<td>GREEN BUILDING AND LEED AP HOMES EXPERIENCES</td>
<td>1.5</td>
<td>1.5</td>
<td>CSU</td>
<td>1.5 hours lecture per week</td>
<td>Advisories: ARCH 245 and LEED Green Associate Credential Prep. or equivalent professional experience</td>
</tr>
<tr>
<td>251</td>
<td>ARCHITECTURAL DESIGN FUNDAMENTALS I</td>
<td>5.0</td>
<td>9.0</td>
<td>CSU; UC</td>
<td>3.0 hours lecture, 6.0 hours laboratory</td>
<td>Advisories: The student must have completed preparatory course work in the field in which the study is to be undertaken.</td>
</tr>
<tr>
<td>252</td>
<td>ARCHITECTURAL DESIGN FUNDAMENTALS II</td>
<td>5.0</td>
<td>9.0</td>
<td>CSU; UC</td>
<td>3.0 hours lecture, 6.0 hours laboratory</td>
<td>Advisories: Completion of or concurrent enrollment in ARCH 213 and ARCH 244.</td>
</tr>
<tr>
<td>193</td>
<td>ART SPECIAL TOPIC</td>
<td>4.0 to 0.5</td>
<td>1.5</td>
<td>CSU</td>
<td>1.5 hours lecture per week</td>
<td>Advisories: The student must have completed preparatory course work in the field in which the study is to be undertaken.</td>
</tr>
<tr>
<td>200</td>
<td>ART APPRECIATION</td>
<td>3.0</td>
<td>3.0</td>
<td>CSU</td>
<td>3.0 hours lecture per week</td>
<td>Advisories: The student must have completed preparatory course work in the field in which the study is to be undertaken.</td>
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<tr>
<td>Course ID</td>
<td>Course Title</td>
<td>Units</td>
<td>Program Applicable</td>
<td>Transfer</td>
<td>Description</td>
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<tr>
<td>202</td>
<td>MUSEUM PRACTICES</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Introduces the history, functions, and professional practices of art museums. Includes development of an historical display and accompanying texts for exhibition. Introduces curatorial and art critical writing, including writing art reviews for publication. Repeatable 1 time. Transfer: CSU; UC.</td>
<td></td>
</tr>
<tr>
<td>203</td>
<td>SURVEY OF ART HISTORY: OLD STONE AGE THROUGH NEO-CLASSIC</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Presents the first of a three-semester course in the history of Western art. Includes cultural and historical background of Prehistoric (Paleo-lithic and Neolithic periods), Ancient Near Eastern, Egyptian, Aegean, Greek, Roman, and Medieval art traditions. Discusses and compares the cultural background of each of these artistic traditions. Transfer: CSU; UC.</td>
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<tr>
<td>204</td>
<td>SURVEY OF ART HISTORY: RENAISSANCE THROUGH POST-CLASSIC</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Presents the second of a three-semester course in the history of Western art. Includes cultural and historical background of the Renaissance, Baroque, Rococo, Neo-Classic, Romantic, Realist, Impressionist, and Post-Impressionist periods of art. Transfer: CSU; UC.</td>
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</tr>
<tr>
<td>205</td>
<td>SURVEY OF ART HISTORY: MODERNISM AND POST-MODERNISM</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Presents an overview of the art movements, artists and issues of Modernism and Post-Modernism. This includes art from the mid-nineteenth century, through the twentieth century and contemporary art. Includes the social, political, and aesthetic context of the time. Transfer: CSU; UC.</td>
<td></td>
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<tr>
<td>206</td>
<td>SURVEY OF ART HISTORY: NON-WESTERN ART</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Surveys the art traditions of African, Asian, Native American, Pre-Columbian, and other non-Western cultures as expressions of their religions and philosophies. Compares non-Western to Western art to reveal cross-cultural influences and explains the diversity of 20th century art. Transfer: CSU; UC.</td>
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<tr>
<td>220</td>
<td>FUNDAMENTALS OF 2-D DESIGN</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Introduces the basic design elements and principles common to all visual art forms. Provides studio experience in the practical application of design and color theory through creative assignments. Transfer: CSU; UC.</td>
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<tr>
<td>221</td>
<td>BEGINNING DRAWING</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Presents an overview of the art of drawing in an historical and contemporary context by introducing the basic practice and theories of drawing as a fine art. It introduces basic elements and principles of design, a variety of drawing media, and the use of drawing as a personal means of visual expression and communication. Transfer: CSU; UC.</td>
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<tr>
<td>222</td>
<td>INTERMEDIATE DRAWING</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Continues ART 221 with an emphasis on composition and content. Repeatable 1 time. Transfer: CSU; UC.</td>
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<tr>
<td>223</td>
<td>LIFE DRAWING</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Continues ART 223 with an emphasis on personal interpretation and the use of the figure in composition. Repeatable 2 times. Transfer: CSU; UC.</td>
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<tr>
<td>224</td>
<td>INTERMEDIATE LIFE DRAWING</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Introduces the second of a three-semester course in the history of Western art. Includes cultural and historical background of the Renaissance, Baroque, Rococo, Neo-Classic, Romantic, Realist, Impressionist, and Post-Impressionist periods of art. Transfer: CSU; UC.</td>
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<tr>
<td>225</td>
<td>INTERMEDIATE PAINTING</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Presents a continuation of ART 230 with an emphasis on contemporary issues in painting. Composition and content is also stressed. Repeatable 3 times. Transfer: CSU; UC.</td>
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</tr>
<tr>
<td>226</td>
<td>WATERCOLOR PAINTING</td>
<td>3.0</td>
<td>Associate Degree Applicable</td>
<td>CSU; UC</td>
<td>Explores the fundamental techniques and creative use of aqueous media in painting on paper. Transfer: CSU; UC.</td>
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</tbody>
</table>
233 INTERMEDIATE WATERCOLOR PAINTING (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 222
Continues ART 222 with a focus on problem-solving, composition, and development of personal style.
Repeatable 2 times.
Transfer: CSU; UC.

234 FIGURE PAINTING (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 223 and ART 230
Advisory: ART 224 and ART 231.
Introduces the fundamentals of painting from the human figure, the creative use of various painting media, and the figure in context.
Repeatable 3 times.
Transfer: CSU; UC.

235 MURAL PAINTING (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 220 or ART 221 or ART 230
Introduces mural painting and processes. Includes analyzing a site, developing a design and proposal, the study and application of painting materials, executing a mural in a public space, and working in a collaborative environment. Presents a contemporary and historical view of mural painting. Students may need to travel to mural site.
Repeatable 3 times.
Transfer: CSU.

240 INTRODUCTION TO PRINT MEDIA (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces a variety of print media including traditional historical printmaking practices such as relief, etching, and stencil. Includes contemporary print media such as photocopy, offset lithography, computer generated images and artists' books. Presents the art of printmaking in an historical and contemporary context.
Transfer: CSU; UC.

241 ETCHING (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 221
Offers instruction and studio practice in etching and related intaglio printmaking techniques as well as the designing of images appropriate to these techniques.
Repeatable 3 times.
Transfer: CSU; UC.

243 BOOK ARTS (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 220
Presents an investigation of the book form as a vehicle of creative expression. Explores the book structure through the history, concepts and the creative application of this unique art object, in which the content is not limited to words alone.
Repeatable 3 times.
Transfer: CSU.

244 PHOTOGRAPHY (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces black and white still photography as a fine art in an historical and contemporary context. Presents traditional darkroom practices through projects that introduce the elements and principles of design. Emphasizes use and care of 35mm cameras, related photography equipment, black and white film processing and photographic enlargements. NOTE: A 35mm camera is required for class.
Transfer: CSU; UC.

245 INTERMEDIATE PHOTOGRAPHY (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 244
Continues study of photography as a fine art as introduced in ART 244. Presents intermediate level concepts and darkroom techniques in black and white still photography. The development of photography as a means of personal expression, the infusion of content, and composition will be stressed.
Repeatable 3 times.
Transfer: CSU; UC.

247 DIGITAL VIDEO EFFECTS (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 244 and ART 256
Presents an overview of digital non-linear video editing, including acquiring digital video and combining and editing source material to create complete digital movies. Topics include: basic editing techniques, cuts and transitions, adding and altering audio, titling, keying and transparency, and applying filters and effects.
Repeatable 3 times.
Transfer: CSU; UC.

248 DIGITAL PHOTOGRAPHY (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 244
Explores the art and science of digital compositing for visual effects and 2D animation, utilizing Adobe After Effects for film and video applications. Explores technical and aesthetic issues.
Repeatable 3 times.
Transfer: CSU; UC.

249 DIGITAL PHOTOGRAPHY (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 244 and ART 256
Introduces concepts and technical fundamentals of digital photography as an extension to traditional photography. Presents practices and techniques unique to digital photography through projects that emphasize personal expression, the infusion of content and composition. Emphasizes the practical and aesthetic issues of digital photography, care and use of digital cameras, and other equipment related to digital photography.
Repeatable 3 times.
Transfer: CSU; UC.

251 ALTERNATIVE PHOTOGRAPHIC PROCESSES (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 244
Explores creative photographic techniques emphasizing experimental manipulation of the photographic image. Introduces silver and non-silver alternative photographic techniques including multiple image usage, high contrast materials, toning, image transfer, and digital negative with emphasis on personal expression, content, and development of style.
Repeatable 3 times.
Transfer: CSU.

252 PHOTOGRAPHIC LIGHTING (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 244
Explores various photographic lighting techniques emphasizing artificial sources. Introduces the student to modifying available light, tungsten light and strobe light on location and in the studio environment.
Repeatable 3 times.
Transfer: CSU.
253  DIGITAL ART  (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces the use of the Macintosh computer, specific to art applications and the creation of fine art. Instruction will focus on the Macintosh operating system, and the use of current industry standard vector-based drawing and raster-based image editing softwares, computer hardware basics, technology, terminology, peripheral equipment and general practices used when operating a personal computer.
Transfer: CSU; UC.

255  ADOBE ILLUSTRATOR: ART, DESIGN, AND ILLUSTRATION(3.0 to 1.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Basic computer skills.
Presents primary instruction in digital drawing and illustration using Adobe Illustrator. Students learn how to create drawings and illustrations, use drawing and image creation tools, type, layout, and organizational features, filters, and format images for print, web and other digital media.
Repeatable 3 times.
Transfer: CSU.

256  ADOBE PHOTOSHOP: ART, DESIGN, AND PHOTOGRAPHY(3.0 to 1.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Basic computer skills.
Presents primary instruction in digital imaging and editing using Adobe Photoshop. Students learn how to edit and create digital photographs and composite images. Students will use drawing and image creation tools; study type, layout, and organizational features; will use filters; and format images for print, web and other digital media.
Repeatable 3 times.
Transfer: CSU.

257  DIGITAL PAINTING  (3.0 to 1.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Basic computer skills.
Presents an introduction to digital painting using Adobe Photoshop, with a focus on basic painting techniques, methods and language. Includes color mixing, composition and the integration of traditional and digital painting techniques.
Repeatable 3 times.
Transfer: CSU.

258  ADOBE INDESIGN: ART, DESIGN, AND PHOTOGRAPHY  (3.0 to 1.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Basic computer skills.
Introduces digital prepress production involving preparation of pages for reproduction on any kind of press or printing system. Presents topics and practical experience in Adobe InDesign, work flow, terminology, file types, font issues, job requirements, various digital input devices, complex file storage and transfer systems, and output options for hard copy.
Repeatable 3 times.
Transfer: CSU.

259  ADOBE DREAMWEAVER: ART, DESIGN, AND INTERACTIVITY  (3.0 to 1.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ART 253.
Introduces web page design using Adobe Dreamweaver. Covers a comprehensive range of tasks and functions of the software used in the process of designing and creating artistic and visually dynamic web sites.
Repeatable 3 times.
Transfer: CSU.

260  DIGITAL ART II  (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Continues the practical skills of ART 253 emphasizing critical assessment of the principles of design used in visual communication as well as creative and practical exploration. Topics may include digital layout, graphics, illustrations, photography, animation, video and multimedia.
Transfer: CSU.

261  DIGITAL ART III  (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Continues the practical skills of ART 255 emphasizing critical assessment of the principles of design used in visual communication as well as creative and practical exploration. Topics may include digital layout, graphics, illustrations, photography, animation, video and multimedia.
Transfer: CSU.

262  DIGITAL ART IV  (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Continues the practical skills of ART 258 emphasizing critical assessment of the principles of design used in visual communication as well as creative and practical exploration. Topics may include digital layout, graphics, illustrations, photography, animation, video and multimedia.
Transfer: CSU.

263  DIGITAL ART V  (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Continues the practical skills of ART 259 emphasizing critical assessment of the principles of design used in visual communication as well as creative and practical exploration. Topics may include digital layout, graphics, illustrations, photography, animation, video and multimedia.
Transfer: CSU.

264  DIGITAL ART VI  (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Continues the practical skills of ART 260 emphasizing critical assessment of the principles of design used in visual communication as well as creative and practical exploration. Topics may include digital layout, graphics, illustrations, photography, animation, video and multimedia.
Transfer: CSU.

265  ADOBE FLASH: ART, DESIGN, AND ANIMATION  (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Introduces the basic principles of animation, interactivity, and other time-based media projects using Adobe Flash Professional. Students will learn how these principles are used to construct games, animations and interactive media.
Repeatable 1 time.
Transfer: CSU.

266  GRAPHIC DESIGN  (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 255 (3 units) or ART 256 (3 units)
Introduces principles and processes used in the creative and practical exploration of visual communication. Topics may include digital layout, graphics, illustrations, photography, animation, video and multimedia. Projects incorporate symbols and typography into visual design, exploring interrelationships between formal elements and symbolic content.
Transfer: CSU.

267  INTERMEDIATE GRAPHIC DESIGN  (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 266
Continues the practical skills of ART 266 emphasizing critical assessment of the design principles used in visual communication as well as creative and practical exploration. Topics in this class are fundamental to the creation of digital layout, graphics, illustrations, photography, animation, video and multimedia.
Transfer: CSU.

268  TYPOGRAPHY  (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Introduces basic principles in the effective use of type. Emphasis is on the use of typography in graphic design. Topics include the history of type, aesthetic qualities of letterforms, anatomy of the letter, typeface and style, and compositional arrangement.
Repeatable 1 time.
Transfer: CSU; UC.

270  FUNDAMENTALS OF 3-D DESIGN  (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces the basic elements and principles of three-dimensional design. Presents a variety of studio problems using basic sculptural materials, tools and methods. Presents an overview of 3D design in historical and contemporary context.
Transfer: CSU; UC.

271  BEGINNING SCULPTURE  (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces the issues and techniques of contemporary sculpture. Assignments emphasize ideas and personal expression while utilizing the elements and principles of design. Projects explore materials such as fabrication with plaster, metal, mixed media, and wood, and contemporary approaches such as site-specific and installation sculpture.
Transfer: CSU; UC.

272  INTERMEDIATE SCULPTURE  (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 271
Continues study of issues and techniques of contemporary sculpture as introduced in ART 271. Presents intermediate level assignments in fabrication and introduces the casting process. Additional emphasis will be placed on large-
scale projects such as site-specific, performance, installation and public art.
Repeatable 3 times.
Transfer: CSU.

273 FIGURE SCULPTURE (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 223, ART 270, or ART 271.
Provides instruction and creative practice in figure sculpture using a live model with directed assignments. Traditional and contemporary techniques and materials will be employed with an emphasis on contemporary issues in figure sculpture. Media may include, but are not limited to, clay, plaster mold-making, cast hydro-stone, bronze casting, plaster construction, welded steel and mixed-media.
Repeatable 3 times.
Transfer: CSU; UC.

274 SCULPTURE FOUNDRY (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 270, ART 271 or equivalent.
Provides instruction and practice in bronze casting of sculpture using the lost wax processes including direct modeling and mold making. Emphasizes contemporary art issues related to bronze sculpture.
Repeatable 3 times.
Transfer: CSU; UC.

280 CERAMICS (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces the practice and appreciation of ceramics as a fine art covering the basic elements and principles of design, methods and materials specific to ceramic media with a focus on hand-building. Emphasizes the use of ceramics as a personal means of visual expression and communication. Presents an overview of the art of ceramics in an historical and contemporary context.
Transfer: CSU; UC.

281 CERAMICS (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 280
Continues ART 280 with an emphasis on throwing on the potter's wheel, sculptural form derived from wheel-thrown objects, and sculptural form combining wheel and handbuilt forms.
Repeatable 2 times.
Transfer: CSU; UC.

282 INTERMEDIATE CERAMICS (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 280
Explores contemporary issues in ceramic art and the more technically involved construction and decorating methods with an emphasis on glaze technology.
Repeatable 3 times.
Transfer: CSU; UC.

283 CERAMIC SCULPTURE (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 280 or a comparable college-level beginning ceramics class
Presents contemporary and traditional processes and materials in their application to the construction of ceramic sculpture.
Repeatable 3 times.
Transfer: CSU; UC.

284 ALTERNATIVE AND PRIMITIVE FIRING TECHNIQUES IN CERAMICS (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ART 280
Presents instruction and experience in alternative firing techniques for ceramic art. Firings will include pit, sawdust, and raku.
Repeatable 3 times.
Transfer: CSU; UC.

293 PORTFOLIO PRESENTATION (3.0 to 2.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: A body of artworks to include a minimum of twelve pieces which have been completed in college studio art courses and ART 256.
Advisory: ENGL 156.
Introduces professional presentation techniques in Studio Art and Graphic Design. Topics include the selection, photographing, and mounting of artwork for the production of a physical and a digital portfolio. Covers resume writing, artists statements, and letters of introduction. Examines career opportunities in various art-related fields and investigates four year programs and requirements. This course is geared toward the Studio Art or Graphic Design major near the completion of their studies at Cuesta College.
Repeatable 1 time.
Transfer: CSU.

295 ART GALLERY (3.0)
6.0 hours laboratory per week
Associate Degree Applicable
Advisory: ENGL 156
Explores theoretical, technical, and aesthetic aspects of exhibiting works of art, as well as providing actual experience in operating an art gallery. Students will work with exhibiting artists, learn about contemporary issues in art, and the relationship between gallery, artist, and viewing public. Students assist in design, publicity, installation, and management of the Cuesta College Art Gallery.
Repeatable 3 times.
Transfer: CSU.

299 INDEPENDENT STUDIES: ART (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Art under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.

ASTRONOMY [ASTR]

193 ASTRONOMY SPECIAL TOPIC (4.0 to 0.5)
4.0 hours lecture per week
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

210 ASTRONOMY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 123 or MATH 123SI or equivalent
Advisory: Eligibility for ENGL 201A.
Presents the astronomy of planets, satellites, asteroids, comets, meteoroids, the sun, stars, and galaxies.
Repeatable 3 times.
Transfer: CSU; UC.

210L ASTRONOMY LAB (1.0)
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: MATH 123 or MATH 123SI or equivalent
Corequisite: ASTR 210
Advisory: Eligibility for ENGL 201A.
Laboratory application of the principles presented in ASTR 210.
Transfer: CSU; UC.
Cuesta College

299 ASTRONOMY RESEARCH SEMINAR (1.0)
3.0 hours per week: (1.0 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Presents basics of scientific research and operation of astronomical telescopes and instruments. Students plan research projects, make observations, analyze results, and write reports for publication. Repeatable 3 times.
Transfer: CSU;

ATHLETICS [ATHL]

193 PHYSICAL EDUCATION ATHLETICS SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

225 INTERCOLLEGIATE BASEBALL: MEN (3.0 to 1.5)
10.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Develops advanced knowledge and skills in the sport of baseball. Appropriate for students desiring the physical, mental, and emotional challenges inherent in intercollegiate baseball competition. Repeatable 2 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

226 INTERCOLLEGIATE BASKETBALL: MEN (3.0 to 1.5)
10.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Considers broad aspects of intercollegiate basketball competition with emphasis on offensive and defensive floor strategies. Attention is given to physical conditioning necessary for engaging in competitive sports and the responsibilities required of a player who participates in a team activity. Repeatable 3 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

227 INTERCOLLEGIATE BASKETBALL: WOMEN (3.0 to 1.5)
10.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Considers broad aspects of intercollegiate basketball. Emphasizes offensive and defensive floor strategies, the physical conditioning necessary for engaging in competitive sports, and the responsibilities required of a player who participates in a team activity. Repeatable 3 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

228 INTERCOLLEGIATE CROSS COUNTRY (3.0 to 1.5)
10.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Develops advanced knowledge and skill in the sport of cross country running. Includes participation in intercollegiate competition. Repeatable 2 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

231 INTERCOLLEGIATE SOFTBALL: WOMEN (3.0 to 1.5)
10.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Develops advanced knowledge and skill in the sport of women's softball. Provides the physical, mental, and emotional challenges inherent in intercollegiate competition. Repeatable 2 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

232 SWIMMING AND DIVING (3.0 to 1.5)
10.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Presents an opportunity for physically advanced students to further develop knowledge and skill in the sport of swimming and diving. Appropriate for students desiring the physical, mental and emotional challenges that are inherent in competition. Repeatable 2 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

234 INTERCOLLEGIATE TRACK AND FIELD (3.0 to 1.5)
10.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Considers broad aspects of intercollegiate track and field athletics. Includes the rules and fundamentals of the track and field events and participation in intercollegiate track meets. Repeatable 2 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

235 INTERCOLLEGIATE VOLLEYBALL: WOMEN (3.0 to 1.5)
10.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides the physical, mental, and emotional challenges inherent in intercollegiate competition. Develops knowledge and skill in the sport of women's volleyball. This offering is appropriate for students desiring the physical, mental and emotional challenges that are inherent in competition against students representing other colleges. Repeatable 2 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

236 INTERCOLLEGIATE WATER POLO (3.0 to 1.5)
10.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Provides the physical, mental, and emotional challenges inherent in intercollegiate competition. Develops advanced knowledge and skill in the sport of water polo. This offering is appropriate for students desiring the physical, mental and emotional challenges that are inherent in competition against students representing other colleges. Repeatable 2 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

237 INTERCOLLEGIATE WRESTLING (3.0 to 1.5)
10.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.
Develops knowledge and skill in the sport of wrestling. Emphasizes skill instruction and conditioning techniques that prepare students for intercollegiate competition. Repeatable 2 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).
### Courses

**2012-2013 Catalog Cuesta College**

#### AUTOMOTIVE TECHNOLOGY [ATCH]

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Schedule</th>
<th>Prerequisites</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>109</td>
<td>INTRODUCTION TO AUTOMOTIVE COMPUTERS</td>
<td>2.5</td>
<td>4.0 hours per week: (2.0 hours lecture, 2.0 hours laboratory)</td>
<td>Associate DegreeApplicable</td>
<td>Covers the theory, operation, and basic test procedures for on-board computers found on domestic and imported vehicles. Designed for entry level automotive study.</td>
</tr>
<tr>
<td>120</td>
<td>AUTOMOTIVEignition systems</td>
<td>2.0</td>
<td>4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)</td>
<td>Associate DegreeApplicable</td>
<td>Covers modern vehicle ignition system theory, diagnosis, and repair. Includes IT, EI, and Coil-On-Plug systems. Repeatable 1 time.</td>
</tr>
<tr>
<td>125</td>
<td>ENGINE PERFORMANCE</td>
<td>4.0</td>
<td>6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)</td>
<td>Associate DegreeApplicable Advisory: ATCH 152, ATCH 109, ATCH 120 or one year in the automotive trade.</td>
<td>Studies automotive engine performance theory and operation including fuel, electrical, emission, and computer systems. Emphasizes tune-up, pollution control, and driveability diagnostic techniques. Repeatable 1 time.</td>
</tr>
<tr>
<td>127</td>
<td>ENHANCED CLEAN AIR CAR COURSE</td>
<td>1.0</td>
<td>2.0 hours per week: (1.0 hours lecture, 1.0 hours laboratory)</td>
<td>Associate DegreeApplicable Prerequisite: Completion of or concurrent enrollment in ATCH 164</td>
<td>Provides training as required by the California Bureau of Automotive Repair to meet Advanced Emission Specialist Technician license requirements. Includes training on Smog Check failure analysis and operation of the Bar-97 dynamometer testing system. Repeatable 2 times.</td>
</tr>
<tr>
<td>147</td>
<td>INDEPENDENT STUDIES: AUTOMOTIVE / TECHNOLOGY</td>
<td>2.0 to 0.5</td>
<td>6.0 hours laboratory per week</td>
<td>Associate DegreeApplicable</td>
<td>Prerequisite: The student must have completed preparatory course work in the technical field in which the study is to be undertaken. Provides an opportunity for in-depth study or practicum experience by an individual student in a selected topic in the automotive technology area with support and direction from an instructor. Repeatable 3 times.</td>
</tr>
<tr>
<td>152</td>
<td>INTERNAL COMBUSTION ENGINES</td>
<td>3.0</td>
<td>6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)</td>
<td>Associate DegreeApplicable Advisory: ATCH 252 or equivalent.</td>
<td>Presents a lecture and laboratory course covering theory and manipulative skills required for entry-level employment as an Engine Service Technician. Covers information needed to pass A.S.E. Automotive Technician Certification Test for Engine Service Specialist. Covers diagnosis removal, teardown, inspection, machining, reassembly, installation, and break-in of automotive engines.</td>
</tr>
<tr>
<td>153</td>
<td>ENGINE OVERHAUL PROCEDURES</td>
<td>3.0</td>
<td>6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)</td>
<td>Associate DegreeApplicable Advisory: Eligibility for ENGL 156 or 65.</td>
<td>Presents the methods of engine overhaul procedures encompassing design, construction, and application of engine components, including the ignition, cooling, lubricating, fuel systems, and engine tests and measurements.</td>
</tr>
<tr>
<td>158</td>
<td>AUTOMOTIVE ELECTRICITY AND ELECTRONICS</td>
<td>4.0</td>
<td>6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)</td>
<td>Associate DegreeApplicable Advisory: Eligibility for ENGL 156 or ENGL 165.</td>
<td>Studies basic electrical theory, transistors and other semiconductors, as well as batteries, charging systems, cranking systems, lighting, vehicle wiring, and accessory systems.</td>
</tr>
<tr>
<td>160</td>
<td>AUTOMOTIVE ELECTRICAL ACCESSORIES</td>
<td>4.0</td>
<td>6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)</td>
<td>Associate DegreeApplicable Advisory: Eligibility for ENGL 156 or ENGL 165.</td>
<td>Presents electrical and electronic testing, troubleshooting, and repair procedures on the modern vehicle. Covers body and accessory circuits, power options, instrumentation, and interfacing between engine and body control computers.</td>
</tr>
<tr>
<td>164</td>
<td>BASIC AREA CLEAN AIR CAR COURSE</td>
<td>4.0</td>
<td>4.0 hours lecture per week</td>
<td>Associate DegreeApplicable</td>
<td>Prerequisite: Minimum one year of trade experience in emissions/tune-up or 180 hours (9 semester credits) of accredited training in tune-up, fuel and electrical courses. Covers the rules and regulations governing the Smog Check Program, inspection procedures using the BAR97 Emissions Inspection System (EIS), and an overview of Onboard Diagnostics II (OBDII). Successful completion of ATCH 164 meets a portion of the requirements for technicians seeking an Emission Basic (EB) or Emission Advanced (EA) Smog Check Technician License. Repeatable 3 times.</td>
</tr>
<tr>
<td>166</td>
<td>AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR</td>
<td>2.0</td>
<td>3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)</td>
<td>Associate DegreeApplicable Advisory: Eligibility for ENGL 156 or ENGL 165.</td>
<td>Presents theory and practical application of safety inspections, battery service, oil and lubrication, cooling system, ignition system, brake inspection, wheel bearings and minor repairs.</td>
</tr>
</tbody>
</table>
168 AUTOMOTIVE REPAIR BUSINESS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Introduces the many facets of operating an automotive repair business, including entrepreneurship, franchising, market analysis, physical facilities, financing, organization, taxes, insurance, bookkeeping, legal aspects. Material is covered from both the employee’s and the employer’s point of view.

170 AUTO BODY REPAIR I (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Presents the fundamentals of automotive body repair. Includes instruction in body construction, welding, metalworking methods and equipment used in the auto body repair industry. Emphasis is placed on developing the knowledge and manipulative skill necessary for gainful employment in the auto body repair industry.

171 ADVANCED AUTO BODY (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ATCH 170
Presents an advanced course in automotive body and fender repair which combines laboratory work on campus and on-site research in a commercial repair facility. This course covers estimating damage, frame alignment, trim work, upholstery removal and installation, shop management, and major collision damage repair. Emphasis is placed on developing the knowledge and manipulative skill necessary for gainful employment in the automotive collision repair industry.

175 AUTOMOTIVE PAINTING (5.0)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Covers surface preparation, selection and application of undercoats, topcoats and other types of refinishing materials and equipment which are compliant with current Air Pollution Control District rulings and laws governing commercial automotive refinishing operations. Addresses health, safety, and environmental concerns relative to the automotive painting industry. Emphasizes development of the knowledge and manipulative skills necessary for gainful employment in the automotive painting industry.

177 ADVANCED AUTOMOTIVE PAINTING (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ATCH 170 and ATCH 175
Advisory: Eligibility for ENGL 156 or ENGL 165.
Presents complete vehicle refinishing, color matching techniques, color theory and custom painting as well as vehicle detailing. Prepares students for employment as an automotive painter. Repeatable 1 time.

182 AUTOMATIC TRANSMISSIONS (4.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Introduces fundamental operations, rebuilding procedures, and service of torque converters and automotive automatic transmissions. Provides preparation for Automotive Service Excellence Certification.

186 CHASSIS AND SUSPENSION SYSTEMS (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Presents suspension geometry and design, wheel alignment, active suspension systems, wheel balancing, tires, and steering systems. Provides training toward Automotive Service Excellence Certification.

187 AUTOMOTIVE FUEL INJECTION AND TURBOCHARGERS (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Presents both mechanical and electrical fuel injection systems for automotive gasoline and diesel fuel engines as well as automotive and light truck turbochargers.

188 AUTOMOTIVE HEATING AND AIR CONDITIONING (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Presents theory and practical application of the function and repair of heating and air conditioning systems as applied to domestic and imported automobiles. Provides training toward Automotive Service Excellence Certification.

193 AUTOMOTIVE TECHNOLOGY SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Presents a special topic in the field of study related to the discipline offering this course.

195 TECHNICAL CAREER PREPARATION IN AUTOMOTIVE (1.0)
1.0 hour lecture per week
Associate Degree Applicable
Overview of automotive careers with focus on preparing for the job market. Includes discussion of career opportunities in the automotive industry, both union and non-union. Focus on providing the tools necessary to target and obtain a position in the automotive industry. Repeatable 2 times.

263 AUTOMOTIVE FUEL SYSTEMS: CARBURATION (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Studies automotive fuel systems including filters, tanks, lines, safety equipment, pumps, carburetors, and computer controlled carburetors. Transfer: CSU.

269 AUTOMOTIVE TECHNOLOGY INTERNSHIP (3.0)
6.0 hours per week: (1.5 hours lecture, 4.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Successful completion of 12 semester credits of ATCH courses with a 3.0 GPA.
Presents lecture and lab instruction centering around the working environment in the automotive repair industry. Students are assigned to a commercial automotive repair facility for their laboratory experience. Lectures cover such topics as work habits, resumes, interviewing, attitude, safety, labor laws, record keeping, and rules and regulations pertinent to the automotive repair industry. Repeatable 3 times. Transfer: CSU.

280 MANUAL DRIVETRAINS (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Presents the fundamental operation, service, diagnosis, and repair of clutch assemblies, manual transmissions and transaxles, rear wheel drive (RWD) drive shafts and universal joints, front wheel drive (FWD) half-shafts and constant velocity joints, rear axle assemblies and differentials, and drive axle wheel bearings as applied to automobiles and light duty trucks. Transfer: CSU.

281 MANUAL TRANSMISSIONS (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: ATCH 182, ATCH 186, and ATCH 109 and eligibility for ENGL 156 or ENGL 165.
Presents the operation, diagnosis, repair, and overhaul of rear wheel drive manual transmissions, front wheel drive manual transaxles, and rear wheel drive axles as applied to automobiles and light duty trucks both foreign and domestic. Transfer: CSU.
**2012-2013 Catalog Cuesta College**

**284 BRAKING SYSTEMS**

6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ATCH 109 and eligibility for ENGL 156 or ENGL 165.

Presents automotive braking systems including conventional drum type brakes, disc brakes, vacuum and hydraulic boosters, and anti-lock brake systems. Provides training for licensing by the Bureau of Automotive Repair and by Automotive Service Excellence Certification.

*Transfer: CSU.*

**BIOLOGY [BIO]**

**193 BIOLOGY SPECIAL TOPIC**

4.0 to 0.5
Associate Degree Applicable

Examines a special topic in the field of study related to the discipline offering this course.

**201A BIOLOGY**

9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 127, MATH 127SI or equivalent with a grade of C or better and CHEM 210 or high school chemistry with a grade of C or better
Advisory: ENGL 156.

Presents the principles of life and life processes with an emphasis on cellular structure, cellular chemistry, genetics, and life's origins and diversity.

*Transfer: CSU; UC.*

**201B BIOLOGY**

9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: BIO 201A with a grade of C or better

Continues BIO 201A with emphasis on plant and animal structure and physiology, evolution, and ecology.

*Transfer: CSU; UC.*

**202 GENERAL BOTANY**

9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of any 3-unit or more college level biology course with a lab with a grade of C or better; or Completion of a high school AP biology course with a grade of C or better
Advisory: ENGL 156.

Presents a study of structure and function of roots, stems, leaves, flowers, fruits and seeds of the flowering plants. Includes the characteristics, life cycles, classification, evolution and ecology of cyanobacteria, fungi, algae and vascular plants.

*Transfer: CSU; UC.*

**204 MICROBIOLOGY**

9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 210 or equivalent with a grade of C or better
Advisory: ENGL 156 and BIO 201A.

Presents the general facts regarding bacteria and other microbial forms, particularly those that affect general health. Laboratory work includes culture techniques, animal host techniques, and identification of microbes.

*Transfer: CSU; UC.*

**205 HUMAN ANATOMY**

8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.

Studies human anatomy with models and selected preserved material to demonstrate the anatomical systems. Utilizes an audio-tutorial approach to instruction.

*Transfer: CSU; UC.*

**206 GENERAL HUMAN PHYSIOLOGY**

5.0

7.0 hours per week: (4.0 hours lecture, 3.0 hours laboratory)

Associate Degree Applicable
Prerequisite: CHEM 210 or equivalent with a grade of C or better and BIO 205
Advisory: BIO 201A.

Presents the physiology of human body systems with emphasis upon functions of growth, fitness, motion and sensitivity. Lecture and laboratory contents are appropriate for students of biology, nursing, pre-medical and exercise sciences.

*Transfer: CSU; UC.*

**209C COASTAL BIOLOGY FIELD STUDIES**

1.0

54.0 hours laboratory by arrangement per week
Associate Degree Applicable
Prerequisite: Any 3 unit or greater college level biology course.

Emphasizes observations and techniques used to appreciate and evaluate California's coastal ecosystems. Camping, food, and other expenses will be the responsibility of the students.

*Transfer: CSU; UC.*

**209D DESERT BIOLOGY FIELD STUDIES**

1.0

54.0 hours laboratory by arrangement per week
Associate Degree Applicable
Prerequisite: Any 3 unit or greater college level biology course.

Presents a field study course on the California deserts. Includes the formation of the deserts and the ecological relationship of desert plants and animals. Practices field techniques used in data collection and analysis. Camping, food, and other expenses will be shared by the students. UC credit contingent upon UC review.

*Transfer: CSU; UC.*

**209S SIERRA BIOLOGY FIELD STUDIES**

1.0

54.0 hours laboratory by arrangement per week
Associate Degree Applicable
Prerequisite: BIO 220 or any college biology lab course
Advisory: ENGL 156.

Studies Sierra ecosystems with emphasis on riparian and meadow habitats, Alpine and coniferous forest ecology and grandeur. Practices field study observations and techniques. Camping, food, and other expenses will be the responsibility of students.

*Transfer: CSU; UC.*

**210I ISLAND BIOLOGY**

2.0

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: BIO 201A.

Presents a lecture and field study course on the biology, ecology, and natural history of islands. Includes the study of their ecological and evolutionary history, including colonization and establishment of native plant and animal communities, human impacts, and preservation and conservation of island ecosystems. A field trip will reinforce and elaborate upon lecture material. Field techniques will also be taught on the field trip. Students will be required to maintain and turn in a standardized field notebook. Camping, food, transportation, and other expenses will be the responsibility of the students. Students should be prepared for camping in a coastal environment and for extensive hiking on and off trails over rugged terrain.

*Transfer: CSU; UC.*

**210R NATURAL HISTORY OF THE COAST RANGES**

2.0

4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.

Presents a lecture and field study course on the ecology and natural history of the coast ranges. Includes the study of their geological history, native plant and animal communities, human impacts, and the history and function of the preservation and conservation of ecosystems including the national forest, Bureau of Land Management, and California state parks. A field trip will reinforce and elaborate upon lecture material. Field techniques also will be taught on the field trip. Students will be required to maintain and turn in a standardized field notebook. Camping, food, transportation, and other expenses will be the responsibility of the students. Students should be prepared for camping in a moist, coastal environment and extensive hiking on and off trails from sea level
to over 2000 feet over rugged terrain.

Transfer: CSU; UC.

211 LIFE SCIENCE (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Introduces the non-biology major to the organization and evolution of life and
the structure and function of living systems from cells to biomes. Utilizes the
lecture and laboratory approach to instruction.
Transfer: CSU; UC (For UC, no credit if taken after BIO 210A, 210B, 202, or
203).

212 HUMAN BIOLOGY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Introduces fundamental structural and functional concepts of the human body
systems, and their disorders and therapies. Designed for non-science majors
and provides an appreciation for popular interests such as fitness, immunity,
inheritance, and common medical terminology.
Transfer: CSU; UC.

212L HUMAN BIOLOGY LABORATORY (1.0)
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Completion or concurrent enrollment in BIO 212
Advisory: ENGL 156.
Laboratory to accompany Human Biology (BIO 212), a general education
course for non-biology majors and pre-health related fields. Provides an intro-
duction to the biology of the species, designed to create an awareness
and understanding of the human body functions, human's place in nature and
the mechanics of human heredity. Provides direct participation in experiments,
demonstrations, and discussions. Topics include elements of human anatomy
and physiology, nutrition, disease, elements of human heredity and environ-
mental adaptations, and interpretations of relevant current topics in biology.
Transfer: CSU; UC.

213 GENETICS IN SOCIETY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Introduces basic principles of genetics and heredity. Emphasizes current ad-
vances in genetics, including stem cell research, cloning, cancer, and genetically
modified crops. Investigates the social consequences and ethical implications of
biotechnology in medicine and agriculture.
Transfer: CSU; UC.

216 PLANTS & PEOPLE (4.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Designed for plant enthusiasts who do not have a strong science background.
Includes the basic structure, physiology, reproduction, taxonomy, evolution,
and ecology of plants. Discusses varied uses of plants by people of different
cultures throughout history. Laboratory work includes setting up experiments,
growing, and propagating plants. Students will also learn basic gardening tech-
niques and how to design water-efficient sustainable gardens using California
native plants.
Transfer: CSU; UC.

220 ENVIRONMENTAL BIOLOGY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.
Presents a study of biological concepts, processes, and organismal biology,
including scientific methodology, metabolism, genetics, evolution and ecol-
ogy. These concepts are used to assess environmental issues including human
population growth, biodiversity, biological conservation, pollution, and resource
and energy use.
Transfer: CSU; UC.

220L ENVIRONMENTAL BIOLOGY LAB (1.0)
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in BIO 220
Advisory: Eligibility for ENGL 201A.
Presents an optional laboratory course designed to complement BIO 220, Envi-
ronmental Science. Applies and expands knowledge gained in BIO 220 through
field trips, laboratory investigations, and special projects.
Transfer: CSU; UC.

221 GENERAL ECOLOGY (4.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156 and eligibility for MATH 007.
Studies plant and animal communities emphasizing the interrelationships of
living organisms and their living and non-living environment. The emphasis
in lecture is on major principles describing these interrelationships including
evolution, energy flow and nutrient cycling via food webs, competition, and
predation. The emphasis in the laboratory is on the gathering and interpreta-
tion of ecological data in lab and field.
Transfer: CSU; UC.

222 MARINE BIOLOGY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Presents and integrates aspects of marine processes, organisms, and ecology.
Provides a general overview of marine biology, research, and human impacts on
marine environments.
Transfer: CSU; UC.

222L MARINE BIOLOGY LABORATORY (1.0)
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in BIO 222
Presents an applied, optional course designed to augment BIO 222, through
laboratory and field investigations.
Transfer: CSU; UC.

224 PRINCIPLES OF NATURAL HISTORY (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Presents an ecological approach to the natural history of terrestrial plants and
animals in California. Emphasizes classification, relationships to environment,
interrelationships, problems of life, economic importance, and field biology
techniques.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: BIOLOGY (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field
in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by
an individual student in a selected topic of biology under the direction of an
instructor.
Repeatable 3 times.
Transfer: CSU.

BROADCAST COMMUNICATIONS [BCST]

193 BROADCAST COMMUNICATIONS SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Non-Applicable
Examines a special topic in the field of study related to the discipline offering
this course.

221 INTRODUCTION TO ELECTRONIC MEDIA (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.

Presents a survey of electronic media including radio, television, film and digital media and their impact on culture and society in context with preexisting models; includes history, economics, technological development, programming, ratings, legal aspects, and social aspects of broadcasting in America with cross-cultural and international comparisons.

Transfer: CSU.

223 VIDEO OPERATIONS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.

Presents the theory and demonstration of video control room and studio equipment. Offers beginning students a comprehensive overview of video studio and field operations, technical fundamentals, and basic program production.

Transfer: CSU.

224A AUDIO PRODUCTION  (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.

Introduces the principles, techniques, and style of writing for electronic media.

Prerequisite: ENGL 201A or equivalent with a grade of C or better

Transfer: CSU.

225A VIDEO STUDIO PRODUCTION  (3.0)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in BCST 223

Provides an introduction to the theory, terminology, and operation of single camera video production including composition and editing techniques, camera operation, portable lighting, video recorder operation, audio control, and non-linear editing. Includes the aesthetics and fundamentals of scripting, producing, and directing on location, incorporating multimedia, and postproduction.

Transfer: CSU.

226 WRITING FOR ELECTRONIC MEDIA  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A or equivalent with a grade of C or better

Introduces the principles, techniques, and style of writing for electronic media. Includes the writing of commercials, public service announcements, news, editorials, narration, and dramatic presentations. Introduces an analysis of content and ethical considerations of the electronic media.

Transfer: CSU.

227 PRINCIPLES OF RADIO BROADCAST PERFORMANCE  (3.0 to 0.5)
3.0 hours lecture per week
Associate Degree Applicable

Explore techniques necessary to effectively communicate messages through basic announcing skills. Interviewing, radio news, commercial announcing, ad-lib techniques, voice tracking and career exploration will be covered in-depth.

Learn practice skills needed to professionally perform in radio broadcasting as a career.
Repeatable 3 times.
Transfer: CSU.

230A TELEVISION INTERNSHIP  (3.0)
9.0 hours laboratory by arrangement per week
Associate Degree Applicable
Prerequisite: BCST 225A and approval of station management

Provides practical supervised work experience as a regular staff member in a local area television station. Includes work in the production department of a television station helping to prepare for and operate equipment during newscasts which may include studio camera operation, floor directing, teleprompter operation, and other assigned responsibilities. Acceptable credit. CSU. ONLY STUDENTS WHO HAVE BEEN GIVEN PERMISSION FROM THE CHAIR OF THE BROADCASTING DEPARTMENT MAY BE ALLOWED TO INTERVIEW FOR THE INTERNSHIP PROGRAM.

Transfer: CSU.

247 INDEPENDENT STUDIES: BROADCAST COMMUNICATIONS  (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of broadcast communications under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.

BUSINESS [BUS]

129 BUSINESS INTERNSHIP  (3.0 to 1.0)
8.0 hours per week: (0.5 hours lecture, 7.5 hours laboratory)
Associate Degree Applicable
Prerequisite: 6 units of Business classes

Provides students an opportunity to experience the responsibilities of an employee in a business setting related to their courses of study in Business.
Repeatable 3 times.

130 INTRODUCTION TO E-COMMERCE  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: BUS 243.
Advisory: BUS 130.

Summarizes online buying, selling, and delivery of products and services for personal and business purposes. Addresses Internet security and privacy issues, including credit card use, analyzes various revenue streams for business opportunities, and evaluates popular shopping cart packages.

131 E-COMMERCE: SOCIAL MEDIA MARKETING  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: BUS 243.
Advisory: BUS 130.

Provides a hands-on introduction to social media marketing, including personal branding, blogs, email campaigns, social network participation, affiliate marketing, search engine optimization (SEO), and search engine marketing (SEM). Explore viral marketing, measurement tools for social media marketing campaigns, and career opportunities.

132 E-COMMERCE: INFORMATION PRODUCTS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: BUS 130 OR BUS 243
Advisory: BUS 131.

Builds upon the concepts learned in Social Media Marketing, BUS 131, in order to effectively develop a plan to sell digital goods, such as music, information, videos, software, etc., or services, such as consulting, online. Addresses legal issues such as copyrights, taxes, and guarantees, and customer relationship and retention strategies.
### 133 E-COMMERCE: PHYSICAL PRODUCTS (3.0)
3.0 hours lecture per week  
**Associate Degree Applicable**  
**Prerequisite:** BUS 130 OR BUS 243.  
**Advisory:** BUS 131.  
Builds upon the concepts learned in E-Commerce: Social Media Marketing, BUS 131, in order to effectively develop a plan to sell physical products, as well as to conduct business-to-business e-commerce via extranets. Includes order fulfillment, shipping, delivery, reverse logistics, and supply chain management issues.

### 134 E-COMMERCE ENTREPRENEURSHIP (4.0)
4.0 hours lecture per week  
**Associate Degree Applicable**  
**Prerequisite:** BUS 248 AND EITHER BUS 132 OR BUS 133.  
**Advisory:** LIBT 207 AND CAOA 269.  
Design, develop, test, and implement a virtual "store". Transfer brick and mortar small business management skills in business planning and operations to an online business. Gain actual experience in e-commerce site design, including working with potential clients, needs analysis, and production strategies.

### 135 EVERYTHING EBAY (3.0)
3.0 hours lecture per week  
**Associate Degree Applicable**  
**Advisory:** BUS 130 and LIBT 207.  
Provides an overview of conducting business electronically via eBay, the World Wide Web's most popular online auction platform. Introduces students to online selling for both B2C (Business to Consumer) and B2B (Business to Business). Students will set up an eBay store and successfully conduct transactions, including sourcing, listing, marketing, selling and shipping the physical products.

### 170 DEALING WITH CHANGE (0.5)
4.5 hours lecture per week  
**Associate Degree Applicable**  
Provides students with an understanding of change and the influence it has on an organization and the individuals in that organization. Topics will include understanding organizational change, theoretical models of change, stages of change, and how to manage organizational change.  
**Repeatable 1 time.**

### 171 TEAM BUILDING (0.5)
4.5 hours lecture per week  
**Associate Degree Applicable**  
Provides the student with an understanding of how teams work together, common problems teams encounter and how to solve them. Students will learn to recognize various team player styles. Students will be introduced to team building in the workplace.  
**Repeatable 1 time.**

### 172 COMMUNICATING WITH PEOPLE (0.5)
4.5 hours lecture per week  
**Associate Degree Applicable**  
Introduces the student to key elements in communication within business organizations. Topics will include verbal and nonverbal communication, listening skills and specific supervisory communication skills.  
**Repeatable 1 time.**

### 173 CONFLICT RESOLUTION (0.5)
4.5 hours lecture per week  
**Associate Degree Applicable**  
Provides the student with an analysis of attitudes and behavior, which create conflict between individuals and groups within an organization.  
**Repeatable 1 time.**

### 174 CUSTOMER SERVICE (0.5)
4.5 hours lecture per week  
**Associate Degree Applicable**  
Provides the student with certain key skills and attitudes in order to effectively meet the needs of customers. The student will be introduced to the concept of internal and external customers, customer satisfaction and customer retention.  
**Repeatable 1 time.**

### 175 VALUES & ETHICS (0.5)
4.5 hours lecture per week  
**Associate Degree Applicable**  
Acquaints the student with the importance of values and ethics in the workplace. The importance of values and ethics involved in the supervisor's carrying out his/her duties will be emphasized.  
**Repeatable 1 time.**

### 176 ATTITUDE IN THE WORKPLACE (0.5)
4.5 hours lecture per week  
**Associate Degree Applicable**  
Provides the student with certain key skills in the area of attitude so that they may effectively maintain a positive attitude at the workplace and at home. Concepts of how attitudes are communicated, the three types of attitudes and how to adjust one's attitude will be presented.  
**Repeatable 1 time.**

### 177 STRESS MANAGEMENT (0.5)
4.5 hours lecture per week  
**Associate Degree Applicable**  
Acquaints the student with various skills the supervisor needs to help employees. Included is the recognition of stress and how to manage it.  
**Repeatable 1 time.**

### 178 DECISION MAKING & PROBLEM SOLVING (0.5)
4.5 hours lecture per week  
**Associate Degree Applicable**  
Introduces the student to decision making and problem solving as a supervisor.  
**Repeatable 1 time.**

### 179 TIME MANAGEMENT (0.5)
4.5 hours lecture per week  
**Associate Degree Applicable**  
Introduces the student to time management principles and specific tools that assist in making maximum use of time.  
**Repeatable 1 time.**

### 180 EFFECTIVE LABOR RELATIONS (0.5)
4.5 hours lecture per week  
**Associate Degree Applicable**  
Provides students with an understanding of the elements of an effective labor relations program for today's workforce. Topics will include understanding principal labor legislation, ways to respond to legal challenges and how to develop basic labor relations approach.  
**Repeatable 1 time.**

### 181 PROFESSIONAL IMAGE: APPEARANCE, ETIQUETTE & NETWORKING (0.5)
0.5 hours lecture per week  
**Associate Degree Applicable**  
Engages the student in discussions and activities related to the significance of personal appearance, business appropriate behavior and etiquette, as well the process of networking to build professional relationships.

### 182 GOAL SETTING: VISION, GOALS AND JOB SEARCH STRATEGIES (0.5)
0.5 hours lecture per week  
**Associate Degree Applicable**  
Engages the student in discussions and activities related to the significance of having a personal vision, setting attainable goals for the future, and employing useful job search strategies for pursuing a meaningful career and work life.

### 183 IMPACTS OF TECHNOLOGY ON COMMUNICATION (0.5)
0.5 hours lecture per week  
**Associate Degree Applicable**  
Equips the student to communicate professionally and effectively when us-
Courses

2012-2013 Catalog Cuesta College

190 SUPERVISION AND MANAGEMENT ACADEMY: EXPAND YOUR MANAGEMENT PERSPECTIVE
(0.5)
0.5 hours lecture per week
Associate Degree Applicable
Builds on students' past and current experience as a manager and expands their understanding of the significant change in perspective that must be adopted by supervisors in order to be effective at managing employees and adhering to company policies and labor law. Repeatable 1 time.

191 SUPERVISION AND MANAGEMENT ACADEMY: THE PERFORMANCE MANAGEMENT CYCLE
(0.5)
0.5 hours lecture per week
Associate Degree Applicable
Enhances students' current performance management practices by discussing the process of forming personal attitudes and the implications of those decisions on organizational/employee resistance to change. This is an advanced class designed for students who are currently employed with responsibility to formally manage employee performance. Repeatable 1 time.

192 SUPERVISION AND MANAGEMENT ACADEMY: THE ART OF REACHING MUTUAL UNDERSTANDING
(0.5)
0.5 hours lecture per week
Associate Degree Applicable
Learn state of the art communication skills necessary to reach mutual understanding and manage inevitable conflicts that supervisors must handle. This is an advanced communication and conflict management course designed for students who are currently employed with the responsibility of supervising others. Repeatable 1 time.

193 BUSINESS SPECIAL TOPIC
(4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

194 SUPERVISION AND MANAGEMENT ACADEMY: MAKING CONSCIOUS, STRATEGIC DECISIONS
(0.5)
0.5 hours lecture per week
Associate Degree Applicable
Expounds on strategic methods for effective decision-making while exploring the implications of those decisions on organizational/employee resistance to change. This is an advanced class that emphasizes students' current ability to strategically and effectively lead the process of change as a working manager. Repeatable 1 time.

195 SUPERVISION AND MANAGEMENT ACADEMY: MOTIVATING PERFORMANCE THROUGH FEEDBACK AND DELEGATION
(0.5)
0.5 hours lecture per week
Associate Degree Applicable
Explains the student's understanding of human motivation investigating how employees do what they do and how to sustain a motivated work environment through supportive and/or corrective feedback toward improving work performance. Explores solutions for when opportunities exceed resources through the application of the laws of time management and the effectiveness of delegation. Repeatable 1 time.

196 WORKPLACE HUMAN RELATIONS
(2.0)
4.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Discusses the process of forming personal attitudes, identifying and changing our personal attitudes, the behavioral aspects of interpersonal relationship and self-esteem are studied. Personal communication skills concepts are discussed.

Cultural diversity awareness and increased team building skills are explored.

197 SUPERVISION AND MANAGEMENT ACADEMY: LEADING A DIVERSE TEAM
(0.5)
0.5 hours lecture per week
Associate Degree Applicable
Identifies the students’ demonstrated strengths and areas of improvement for leading a diverse team. Improves the students' ability as a manager to value diversity and effectively use their legitimate and personal power to lead a highly effective team. Repeatable 1 time.

201A FINANCIAL ACCOUNTING
(4.0)
4.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 and MATH 123.
Explores what financial accounting is, why it is important, and how it is used by investors and creditors to make decisions. Covers the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. Includes issues relating to asset, liability and equity valuation, revenue and expense recognition, cash flow, internal controls and ethics.
Transfer: CSU; UC.

201B MANAGERIAL ACCOUNTING
(4.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: BUS 201A
Examination of how managers use accounting information in decision-making, planning, directing operations and controlling costs. Focus on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Examines profit planning, standard costs, operations and capital budgeting, cost control and accounting for costs in manufacturing organizations.
Transfer: CSU; UC.

203 BUSINESS LAW
(4.0)
4.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Offers legal knowledge concerning business and business relationships with emphasis on the laws of torts, property, contracts, agency, business organizations, and sales. Includes study of the nature and background of American law, court systems, and court procedures.
Transfer: CSU; UC.

204 ADVERTISING
(3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: BUS 243
Advisory: Eligibility for ENGL 156.
Introduces the student to the principles, purposes and practices of advertising; the importance of correct appeal, style, headline, typography, color, layout, ethics; and other problems involved in the creation and evaluation of effective advertising. (No artistic ability required.)
Transfer: CSU.

241 SALES
(3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents principles, purposes, and practices of personal selling and its importance to an organization and to a free enterprise economic system.
Transfer: CSU.

243 MARKETING
(3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.
Introduces fundamentals of product planning, pricing, distribution and promotion of goods, services and non-profits, market research, consumer behavior, international business, and the industrial market.
Transfer: CSU.

245  INTRODUCTION TO BUSINESS
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces the field of business and business economics. Includes functions, characteristics, organization, operation, and general problems of business. Surveys the various fields of business management, distribution, records, selling, finance, and production.
Transfer: CSU; UC.

246  RETAIL MERCHANDISING
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A and MATH 123 or MATH 123SI.
Introduces students to the methods and techniques of retail distribution of merchandise, with special emphasis on buying, selling and promotion processes in the retail store.
Transfer: CSU.

247  INDEPENDENT STUDIES: BUSINESS
2.0 to 0.5 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of business under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.

248  SMALL BUSINESS MANAGEMENT
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces the field of small business and business economics. Includes functions, characteristics, organization, operation, and general problems of business. Surveys the various fields of business management, distribution, records, selling, finance, and production.
Transfer: CSU.

249  ENTREPRENEURSHIP
4.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 and MATH 123 or MATH 123SI.
Introduces students to the concepts, techniques and requirements for establishing a business.
Transfer: CSU.

250  ENTREPRENEUR SIMULATION
1.0 hour lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 and MATH 123 or MATH 123SI.
Introduces students to the use of a simulation in making decisions affecting the success/failure of a business.
Transfer: CSU.

251  ELEMENTS OF ACCOUNTING
4.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Provides a condensed and general accounting background dealing with basic accounting practices and procedures. Introduces necessary procedures for "service" as well as "service-trading" businesses and payroll accounting. Not open to students with credit in or enrolled in BUS 201A or BUS 201B.

Transfer: CSU.

260  INTERNATIONAL BUSINESS
3.0 hours lecture per week
Associate Degree Applicable
Advisory: BUS 245.
Provides an understanding of the cultural dimensions and market forces necessary to conduct business in a global environment. Examines ethnocentric models of cultural values and behavior and explores cross-cultural differences between Asia, Latin America, Africa, Middle East, Europe, and the United States in order to develop appropriate strategies to conduct business in a transnational setting. Introduces adaptation skills to successfully deal abroad and identifies the major components of national culture impacting the development and growth of business products and services in the international marketplace.
Transfer: CSU.

283  MANAGEMENT AND SUPERVISION
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Discusses the process of management and how to supervise employees in today's business climate. The behavioral aspects of managing human resources are emphasized with a focus on the current practices of world-class companies.
Transfer: CSU.

286  HUMAN RELATIONS
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces students to the basic principles of how to manage employees in various organizational settings such as business, government and the service sector.
Transfer: CSU.

510  INTRODUCTION TO TAX PREPARATION I
1.0 hours lecture per week
Introduces basic tax concepts and terminology needed to prepare simple federal/state income tax returns under the supervision of a qualified instructor for the SLO County VITA Coalition free Income Tax Assistance program. Students must also enroll in Introduction to Income Tax Preparation Software and Income Tax Preparation Internship of the Income Tax Preparation certificate program.
Repeatable.

511  INTRODUCTION TO TAX PREPARATION II - SOFTWARE
0.0 hours lecture per week
Prerequisite: Registered and attended the Introduction to Income Tax Preparation Offers 9 hours of interactive computer-based training using the IRS-approved Tax Wise federal/state income tax preparation software, under the supervision of a qualified instructor for the SLO County VITA Coalition free Income Tax Assistance program. Students must also enroll in Introduction to Income Tax Preparation and Income Tax Preparation Internship of the Income Tax Preparation certificate program.
Repeatable.

512  INTRODUCTION TO TAX PREPARATION III - INTERNSHIP
0.0 hours laboratory per week
Prerequisite: Registered and attended the Introduction to Income Tax Preparation Provides 36 hours of supervised basic federal/state income tax return preparation utilizing Tax Wise software for families and individuals earning less than $40,000 per year as part of the SLO County VITA Coalition free Income Tax Assistance program. Students must also enroll in Introduction to Income Tax Preparation and Introduction to Income Tax Preparation Software of the Income Tax Preparation certificate program.
Repeatable.

CHEMISTRY [CHEM]

193  CHEMISTRY SPECIAL TOPIC
4.0 to 0.5 hours
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.
201A  GENERAL COLLEGE CHEMISTRY  (5.0)
7.0 hours per week: (4.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 127, MATH 127SI or its equivalent with a grade of C or better and CHEM 210, High School Chemistry or equivalent with a grade of C or better
Presents the first semester of a one-year course in the fundamental principles of chemistry. Topics covered include kinetic-molecular treatment of gases, atomic structure and the periodic law, thermodynamics, chemical bonding, correlation of structure with properties, quantitative relationships in chemical reactions, chemical formulas and equations. Laboratory work includes a study of precision and accuracy, standard methods of gravimetric and volumetric analysis, and some computer acquisition and analysis of data.
Transfer: CSU; UC.

201B  GENERAL COLLEGE CHEMISTRY  (5.0)
7.0 hours per week: (4.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 201A with a grade of C or better
A continuation of Chemistry 201A with particular reference to the periodic classification of the elements and the laws of chemical equilibrium as illustrated by the qualitative scheme of analysis. Topics covered will include chemical kinetics, thermodynamics, aqueous equilibria, free energy entropy, electrochemistry, coordination chemistry, nuclear and organic chemistry. Laboratory work will include quantitative work as well as a qualitative scheme of analysis for cations and anions and some computer acquisition and analysis of data.
Transfer: CSU; UC.

201X  APPLIED PROBLEMS FOR GENERAL CHEMISTRY  (1.0)
1.0 hours lecture per week
Associate Degree Applicable
Corequisite: CHEM 201A
Supplements CHEM 201A to further develop general chemistry skills and conceptual understanding. Provides the opportunity for additional assistance in developing and mastering problem-solving abilities.
Repeatable 2 times.
Transfer: CSU.

210FL  INTRODUCTORY CHEMISTRY WITH FACILITATOR ASSISTED LEARNING  (4.0)
7.0 hours per week: (3.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 123, MATH 123SI or equivalent
Presents an introduction to chemistry and chemical laboratory techniques and methods, including a survey of important chemical principles and a description of the elements and their compounds. One lab hour per week will utilize Facilitator Assisted Learning to practice problem solving.
Transfer: CSU; UC (For UC, no credit if taken after CHEM 201A).

211  INTRODUCTORY ORGANIC/BIOCHEMISTRY  (4.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 210 or equivalent
Presents a semester course of organic and biochemistry. The classification, structure, reactions, bioenergetics, biosynthesis, and chemical communication of organic compounds are studied. In the laboratory, techniques and types of reactions are studied.
Transfer: CSU; UC (For UC, maximum credit of one course between CHEM 211 and CHEM 212A).

212A  ORGANIC CHEMISTRY  (5.0)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 210B with a grade of C or better
Presents the first semester of a one-year course in organic chemistry. The structure and physical properties of the aliphatic, alicyclic and aromatic compounds are correlated with attention to nomenclature and reaction mechanisms. The concepts of stereochemistry, nucleophilic substitution, electrophilic addition and spectroscopy will be introduced. In the laboratory, separation techniques and synthesis reactions will be performed.
Transfer: CSU; UC (For UC, maximum credit of one course between CHEM 211 and CHEM 212A).

212B  ORGANIC CHEMISTRY  (5.0)
9.0 hours per week: (3.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CHEM 212A with a grade of C or better
Presents the second semester of a one-year course in organic chemistry. The study of reaction types and mechanisms will be correlated with structures. In addition, carbohydrates, fats, proteins and nucleic acids will be studied in conjunction with certain cellular processes. Organic synthesis, structural features, and literature materials will be studied.
Transfer: CSU; UC.

243  FACILITATOR ASSISTED LEARNING CHEMISTRY SEMINAR  (0.5)
9.0 hours lecture per week
Associate Degree Applicable
Develops interpersonal skills, understanding of the learning process, and effectiveness as a facilitator. Seminar prepares students to facilitate in their subject area.
Repeatable 1 time.
Transfer: CSU.

244  FACILITATOR ASSISTED LEARNING PRACTICUM: CHEMISTRY  (1.0)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: CHEM 210 or CHEM 210FL
Provides practical applications of facilitator assisted learning (FL) in small groups of chemistry students.
Repeatable 3 times.
Transfer: CSU.

COMMUNICATION STUDIES [COMM]

193  SPEECH SPECIAL TOPIC  (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

201A  PUBLIC ADDRESS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces public speaking with an emphasis on clear, logical organization and effective delivery of expository and persuasive speeches.
Transfer: CSU; UC.

210  SMALL GROUP DISCUSSION  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Provides for an exploration of discussion techniques, personality interaction and group decision making. Students will select and research the topics for class discussions.
Transfer: CSU.

212  INTERCULTURAL COMMUNICATION  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Focuses on the importance of culture and its effect on communication. Examines interactive patterns of communication across various cultural contexts (international, ethnic, gender, and class) and assess different methods and techniques of adapting communication to enhance and overcome the difficulties of intercultural communication. Analyzes how cultures adapt, borrow, communi-
2012-2013 Catalog

Cuesta College

Courses

215  ARGUMENTATION AND DEBATE  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.

Building, defending, and refuting arguments in formal and informal settings. Evaluation and use of evidence, reasoning, and sources. Emphasis on oral advocacy and debate skills such as organization, refutation, cross examination, and audience adaptation. Students will debate and communicate arguments orally.
Transfer: CSU; UC.

247  INDEPENDENT STUDIES: SPEECH  (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of speech under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.

120A  BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING  (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.

Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or for personal use. Provides basic keyboarding skills by touch, using a microcomputer with a 10-key pad. Includes basic formatting instructions for letters, tables, and reports.

120B  INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING  (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 120A or ability to type 30 words per minute
Advisory: CAOA 245 or CAOA 251A, CAOA 251B and CAOA 251C.

Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or personal use. Provides the primary purposes of building speed and accuracy and arranging letters, memos, reports, business forms and tables in proper format.

123  BUSINESS ENGLISH  (3.0)
4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.

Provides an essential course in the writing of sentences and paragraphs necessary to prepare business communications including email messages, memos, letters, and short reports. Introduces principles and correct application of English grammar, style, word usage, language structure, punctuation and sentence construction.

125  BUSINESS CALCULATIONS  (1.0)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.

Provides students with a functional knowledge of the computer numeric keypad by touch with speed and accuracy using industry standards for data entry. Includes solving various types of problems to meet employment testing standards.

126  VOICE RECOGNITION SOFTWARE APPLICATION  (1.5)
2.0 hours per week: (1.25 hours lecture, 0.75 hours laboratory)
Associate Degree Applicable

Introduces the use of speech recognition software and changes the way one will work and interact with the computer. Provides a competitive edge on the job and in educational endeavors. Uses the human voice and covers proper dictation procedures to create business documents, spreadsheets, presentations, emails, and navigate the internet. Use of voice recognition software may greatly reduce carpal tunnel syndrome and repetitive stress injuries.

128  OFFICE TECHNOLOGY AND TELECOMMUNICATIONS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Ability to type 25 words per minute.

Introduces typical office routines and responsibilities; principles, practices, and terminology as applied to most common filing methods; business forms; record keeping; office automation; communication and bank services; telephone procedures; human relations; telecommunications; and job securing processes.

129  COMPUTER APPLICATIONS/OFFICE ADMINISTRATION INTERNSHIP  (3.0)
8.0 hours per week: (0.5 hours lecture, 7.5 hours laboratory)
Associate Degree Applicable

Provides students an opportunity to experience the responsibilities of an office employee in a business setting.

153  ESSENTIALS OF MS PUBLISHER  (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: CAA 266.

Introduces the basics of desktop publishing using MS Publisher. Provides an opportunity for the student to use graphic design and layouts to enhance messages with predefined layouts, programmed guidance through the creation process; and, the ability to personalize, change, completely re-design from basics.
Repeatable 1 time.

154  ESSENTIALS OF MS OUTLOOK  (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: CAA 265.

Introduces the computer user to an electronic desktop information management (DIM) system; a central location from which to create, view, and organize all computer information. Simplifies organizational tasks, journal entries, works with Web addresses by allowing the storage, management and navigation to web sites.
Repeatable 1 time.

156  TEST PREP FOR MICROSOFT OFFICE SPECIALIST (MOS) CERTIFICATION  (0.5)
4.5 hours lecture per week
Associate Degree Applicable

Provides students with the opportunity to become a Specialist in the Microsoft office programs (Word, Excel, PowerPoint, Access or Outlook.) Includes unlimited review and practice tests along with test-taking strategies. Upon completion of class, student will be prepared to take MOS certification exams.
Repeatable 3 times.

162  INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING  (1.0)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable

Introduces typing fundamentals, machine functions, keyboard use, and speed and accuracy drills. Designed to develop a minimum typing speed of 20 words a minute.
167  POWERPOINT  (1.0)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: Eligibility for ENGL 156.
Introduces the functions of the PowerPoint program, enabling the production of high-quality output for presentation to an audience. Includes delivering web presentations.
Repeatable 1 time.
Transfer: CSU.

168A  PHOTOSHOP-LEVEL 2: BUSINESS APPLICATIONS  (1.5)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 268
Continues the techniques CAOA 268 introduced to enhance flyers, newsletters, presentations, and web pages in an office environment. Learn to create and produce high-quality digital images for use in professional publications.

172  PHOTOSHOP ELEMENTS  (1.5)
4.0 hours per week: (2.5 lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Ability to type 35 words per minute.
Introduces basic operations and components of a microcomputer and the Microsoft Word word processing program. Includes text entry, formatting, locating, editing, printing, fonts, writing tools, tabs, merging, headers/footers, and footnotes/endnotes.
Repeatable 1 time.
Transfer: CSU.

183  COMPUTER APPLICATIONS/OFFICE ADMINISTRATION SPECIAL TOPIC  (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

227  BUSINESS COMMUNICATIONS  (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: CAOA 123
Presents a study of the principles and techniques applicable to all forms of effective business communication. Covers general areas of grammar mechanics and sentence structure. Emphasis is on memorandums, e-mail, routine request letters, positive response letters, negative response correspondence, persuasive communication, and goodwill and special messages. Includes informal and formal reports, proposals, resumes and cover letters, and follow-up messages.
Transfer: CSU.

246  BEGINNING WORD PROCESSING MICROSOFT WORD  (3.0)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Ability to type 35 words per minute
Introduces basic operations and components of a microcomputer and the Microsoft Word word processing program. Includes text entry, formatting, locating, editing, printing, fonts, writing tools, tabs, merging, headers/footers, and footnotes/endnotes.
Repeatable 1 time.
Transfer: CSU.

250  ADVANCED WORD PROCESSING: MICROSOFT WORD  (3.0)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 246
Introduces advanced operations of word processing. Emphasizes Microsoft Word's macros, hyphenation, bookmarks, borders, clip art, Draw program, WordArt, Equation Editor, World Wide Web, home pages, hyperlinks, tables, charts, columns, styles, sort and select, outlines, fill-in form templates, table of contents, and index features.
Repeatable 1 time.

252  COMPUTERIZED ACCOUNTING USING QUICKBOOKS PRO  (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: Eligibility for ENGL 156.
Introduces the basics of an electronic spreadsheet program. Provides hands-on experience to create the various functions of spreadsheets, macros, databases, and charts. Learn to analyze, identify, and apply the principles needed to apply these various functions.
Transfer: CSU.

261  INTRODUCTION TO SPREADSHEETS  (3.0)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: Eligibility for ENGL 156.
Introduces the basics of database management by implementing simple databases. Includes creating, querying, sorting, indexing, and manipulating a database file and generating reports and labels. Create custom screens, work with multiple database files, and work with advanced command and report structures applying the knowledge and skills acquired in this course.
Transfer: CSU.

264  INTRODUCTION TO DATABASE MANAGEMENT  (3.0)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: Eligibility for ENGL 156.
Introduces the basics of database management by implementing simple databases. Includes creating, querying, sorting, indexing, and manipulating a database file and generating reports and labels. Create custom screens, work with multiple database files, and work with advanced command and report structures applying the knowledge and skills acquired in this course.
Transfer: CSU.

265  ADOBE INDESIGN: BUSINESS APPLICATIONS  (3.0)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CAOA 162, CAOA 120A or ability to type 25 words per minute
Advisory: Eligibility for ENGL 156.
Introduces the principles and techniques applicable to all forms of effective business communication. Covers general areas of grammar mechanics and sentence structure. Emphasis is on memorandums, e-mail, routine request letters, positive response letters, negative response correspondence, persuasive communication, and goodwill and special messages. Includes informal and formal reports, proposals, resumes and cover letters, and follow-up messages.
Transfer: CSU.

266  INTRODUCTION TO COMPUTER BASICS  (1.0)
3.0 hours per week: (2.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Covers the basics of the computer's Windows operating system. Includes working with folders and files, customizing the operating system environment, using a browser to explore and search the World Wide Web.
Transfer: CSU.

268  INTRODUCTION TO PHOTOSHOP: BUSINESS APPLICATIONS  (3.0)
3.0 hours per week
Associate Degree Applicable
Advisory: CAOA 162, CAOA 120A or ability to type 25 words per minute.
Presents the basic components of image editing using Adobe Photoshop includ-
Courses

269  INTRODUCTION TO WEB PUBLISHING: DREAMWEAVER (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: CAOA 162 OR CAOA 120A or ability to type 25 words per minute and manage personal computer files. LIBT 207 and CAOA 268.
Introduces Web publishing using Macromedia Dreamweaver. Includes web design terms, techniques and publishing issues; use of Dreamweaver software for website creation, editing and publishing; and the use of graphic image editing techniques in relation to Web publishing.
Repeatable 1 time.
Transfer: CSU.

271  USING FLASH FOR BUSINESS APPLICATIONS (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: CAOA 120A, CAOA 162 or CAOA 266 or LIBT 116, ART 265, or equivalent knowledge.
Introduces the basics of maintaining content for interactive websites. Learn to maintain an engaging interface using text, graphics, moving pictures, and sound for enhancing business, marketing or personal e-commerce websites.
Repeatable 1 time.
Transfer: CSU.

520A  BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING (0.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Advisory: ENGL 156.
Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or personal use. Provides basic keyboarding skills by touch, using a microcomputer with a 10-key pad. Includes basic formatting instructions for letters, tables, and reports.
Repeatable.

520B  INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING (0.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Advisory: CAOA 251A, CAOA 251B and CAOA 251C or CAOA 120A, CAOA 520A, CAOA 246 or ability to type 30 words per minute.
Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or personal use. Provides the primary purposes of building speed and accuracy and arranging letters, memos, reports, business forms and tables in proper format.
Repeatable.

520S  SPEED AND ACCURACY COMPUTER KEYBOARDING (0.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Advisory: Ability to type 20 words per minute or successful completion of CAOA 120A. Increases skills in typing speed and accuracy. Emphasizes keyboarding basics through keystoking analysis and corrective drills.
Repeatable.

562  INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING (0.0)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Introduces typing fundamentals, machine functions, keyboard use, and speed and accuracy drills. Designed to develop a minimum typing speed of 20 words a minute.
Repeatable.

103  FUNDAMENTALS OF PROGRAMMING FOR THE INTERNET (2.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Presents concepts of writing computer programs for use on the Internet. Includes techniques for problem analysis, software design, implementation, and verification with particular reference to object-oriented programming.

193  COMPUTER INFORMATION SYSTEMS SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193I  TECHNOLOGY PROJECT (2.0)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Develop a complete project for release. Includes specification and implementation of the project. Workshops on entrepreneurial skills to bring the project to market.

201  INTRODUCTION TO COMPUTER SCIENCE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Introduces students to the Computer Science discipline. Problem solving and using computers to solve problems. Introduction to computer programming and algorithmic thinking. Survey of the career field.
Transfer: CSU, UC.

203  IOS DEVELOPMENT I (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Provides the basics in mobile development for the iOS (iPhone, iPad, iPod, et al) platform. Covers the fundamentals of iOS development, standard development tools and resources, and an introduction to the Objective C language.
Transfer: CSU.

204  IOS DEVELOPMENT II (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: CIS 203
Provides in-depth material on intermediate facets of mobile development for the iOS (iPhone, iPad, iPod, et al) platform. Covers the enhanced methods of iOS development, development tools and resources, and additional features of Objective C language. Prepares students to release professional quality applications.
Transfer: CSU.

207  ANDROID DEVELOPMENT I (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 156 or eligibility for ENGL 201A
Introduces students to the Android development platform. Covers the fundamentals of Android development, standard development tools and resources, and an introduction to the Java language.
Transfer: CSU.

210  INTRODUCTION TO COMPUTER APPLICATIONS (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 156 or eligibility for ENGL 201A
Introduces computer terminology, relationship between hardware and software, computer operating systems and application software such as word processing, spreadsheet, database management programs, Web features, and linking between application programs.
Transfer: CSU, UC.
217 "C" PROGRAMMING LANGUAGE (3.0)
4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Presents a course in programming computers using the ANSI "C" programming language. Includes techniques for analyzing problems and devising algorithms for the computer solution of problems requiring the use of elementary algebraic concepts.
Transfer: CSU; UC.

231 FUNDAMENTALS OF COMPUTER SCIENCE I (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Presents the fundamentals of an engineering approach to software development. Includes techniques for problem analysis and software design, implementation and verification. Includes algorithmic problem solving using basic procedural constructs and solving computational problems requiring an understanding of intermediate algebraic concepts. Introduction to object oriented programs, graphical user interfaces and software engineering.
Transfer: CSU; UC.

232 FUNDAMENTALS OF COMPUTER SCIENCE II (2.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: CIS 231
Continues the fundamentals of algorithmic problem solving and applications in the engineering of modern computer software using procedural and object-based methods and object oriented programming languages. Presents the principles of abstract data types, including the specification and implementation of simple abstractions such as tables, stacks, queues and lists. Includes basic searching and sorting algorithms and introduces the analysis of algorithms and recursion.
Transfer: CSU; UC (For UC, both CIS 232 and 233 must be completed in order to receive transfer credits)

233 FUNDAMENTALS OF COMPUTER SCIENCE III (2.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: CIS 232
Corequisite: CIS 241
Introduces advanced concepts including: theory, generic programming implementation, applications, and analysis of associated algorithms including lists, stacks, queues, hash tables, trees, and graphs, recursion, iteration, searching, and sorting algorithms and analysis.
Transfer: CSU; UC (For UC, both CIS 232 and 233 must be completed in order to receive transfer credits).

240 MICROCOMPUTER ARCHITECTURE & PROGRAMMING (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CIS 217 or CIS 231
Advisory: MATH 24A and ENGR 219
Presents basic microprocessor concepts including internal architecture, memory, addressing, and control through the use of assembly language. Students will write a variety of assembly language programs to perform logic functions and high speed hardware control operations. The use of assemblers, linkers, and debugging tools will be explored.
Transfer: CSU; UC.

241 DISCRETE STRUCTURES (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 229 and MATH 242 or Math 263 or High School equivalent
Introduction to structures of computer science: numbers, sets, relations, functions and trees. This course includes propositional and predicate logic, applications of predicate logic: preconditions, postconditions, invariants, guards; inductive proofs; applications to verification of algorithms; introduction to complexity of algorithms.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: COMPUTER & INFORMATIONAL SCIENCE (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of computer and information science under the direction of an instructor.
Transfer: CSU.

100 CERTIFICATION PREPARATION AND TESTING (0.5)
1.5 hours laboratory per week
Associate Degree Applicable
Presents a course in programming computers using the ANSI "C" programming language. Includes techniques for problem analysis and software design, implementation and verification. Includes algorithmic problem solving using basic procedural constructs and solving computational problems requiring an understanding of intermediate algebraic concepts. Introduction to object oriented programs, graphical user interfaces and software engineering.
Transfer: CSU; UC.

218 WIRELESS NETWORK COMMUNICATION AND ADMINISTRATION (4.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: EET 213.
Presents the fundamental structure and functions of computer operating systems: file systems, memory management, interprocess communication, resource scheduling, information sharing and protection. By using the Operating Systems as our principle example, students are prepared to take the Microsoft Certified Professional (MCP) Exam: Installing, Configuring, and Administering Windows.
Transfer: CSU.

220 MICROCOMPUTER ARCHITECTURE & PROGRAMMING (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: CIS 214 and EET 216.
Presents basic microprocessor concepts including internal architecture, memory, addressing, and control through the use of assembly language. Students will write a variety of assembly language programs to perform logic functions and hardware control operations. The use of assemblers, linkers, and debugging tools will be explored.
Transfer: CSU.

221 OPERATING SYSTEMS CONCEPTS (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Presents the fundamental structure and functions of computer operating systems: file systems, memory management, interprocess communication, resource scheduling, information sharing and protection. By using the Operating System as our principle example, students are prepared to take the Microsoft Certified Professional (MCP) Exam: Installing, Configuring, and Administering Windows.
Transfer: CSU.

235 COMPUTER SYSTEM SECURITY (4.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: CNET 221 or CNET 122.
Conducts a comprehensive examination of the types of attacks launched against networks and computer systems. Teaches students how to use network security products, operating system security features, and other hardware/software based tools to counter these threats.
Transfer: CSU.

253 MICROCOMPUTER FUNDAMENTALS FOR TECHNICIANS (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: EET 213.
Introduces fundamental concepts involved with upgrading and repairing personal computer systems. Includes topics on the "A+" computer service technician certification. Lectures and labs will cover internal microcomputer operation, operating systems, primary and secondary storage methods (system memory modules and disk drives), adapter cards, serial and parallel ports, and power supplies. Different components and subsystems will be compared and evaluated based on performance specifications and design considerations.
Repeatable 3 times.
Transfer: CSU.

254 SERVER MAINTENANCE AND ADMINISTRATION (4.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: CNET 253, CIS 121.
Prepares the student for the COMPTIA "SERVER+" computer service technician and Microsoft Server Administration certifications. The course builds on basic concepts taught in the Microcomputer fundamentals and operating system courses. Topics include PC hardware and advanced troubleshooting, new computer architectures, multiple OSs, advanced diagnostic tools, storage devices, RAID controllers, dual processor systems, hard disk recovery, server operating system installation and configuration.
Transfer: CSU.

255 NETWORK CABLEING CERTIFICATION (3.0)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: MATH 123.
Addresses topics on industry standard network cabling certification tests. Presents basic concepts in network cabling and its application to network infrastructure. Basic terminology, cable types, wiring structures, installation factors and techniques will be discussed. LAN topologies, wiring technology, management, and standards will be investigated and applied to lab practice. Termination techniques for multi-category twisted pair connectors will be studied and applied. Testing and troubleshooting of network cabling and terminations using wiremap and performance testers will be explored. Certification testing at the end of the course will be offered.
Repeatable 3 times.
Transfer: CSU.

256 FIBER NETWORK CABLEING CERTIFICATION (3.0)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: EET 213, MATH 123.
Presents fiber optic network connectivity subjects including fiber optic theory, cabling, and termination techniques. Fiber optic plant design, performance testing, and inspection of fiber systems will also be covered. Fiber Optic Association (FOA) Certified Fiber Optic Technician test will be offered at the end of the course.
Repeatable 3 times.
Transfer: CSU.

260 NETWORKING FUNDAMENTALS (2.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: CNET 253.
Provides students with classroom and laboratory experience in current and emerging networking technology. Topics include network terminology and protocols, the OSI and TCP/IP networking models, network topologies and media access control techniques, local area networks (LANs) and internetworking devices (repeaters, hubs, switches, and routers). Special attention is paid to LAN configuration and operation, media types, and IP addressing schemes.
Transfer: CSU.

261 ROUTER THEORY AND TECHNOLOGY (2.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CNET 260
A course on router technology, router configuration, dynamic routing, and routing protocols. Other topics include Ethernet, Token Ring, and Fiber Distributed Data Interface (FDDI) network architectures, and detailed coverage of Transport Control and Internetworking Protocols (TCP/IP). Students will perform router initialization, configuration, testing, and troubleshooting using console ports, over the network Telnet sessions, and Trivial File Transport Protocol (TFTP) servers.
Transfer: CSU.

262 SWITCHED AND WIRELESS LANS (2.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CNET 260 Networking Fundamentals
Associate Degree Applicable
Advisory: CNET 262
Presents Local Area Network architecture and design, including the Spanning-Tree Protocol and Virtual LANs, integration of switched and wireless technology, and wireless security concepts and configuration. This course continues preparation for the Cisco Certified Network Associate (CCNA) Exam.
Transfer: CSU.

263 WIDE AREA NETWORKING (2.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CNET 262
Presents concepts and protocols related to Wide Area Network (WAN) management and design. Detailed coverage is devoted to the Point-to-Point Protocol (PPP), Frame Relay, ISDN, DSL, Leased Lines (T1/T3), and Virtual Private Networks (VPNs). Hierarchical WAN design techniques are used in the completion of a Threaded Case Study (TCS).
Transfer: CSU.

100 WORKPLACE SAFETY (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156 or ENGL 165.
Introduces safety topics that address the OSHA 10 and 30 hour training requirements. Topics include OSHA safety and health standards, common violations, OSHA regulations, whistle blower rights, record keeping rules, fall protection, fire protection, electrical safety, hazard communications, personal protective equipment and emergency planning.
Repeatable 3 times.

163 CONSTRUCTION MANAGEMENT (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156 or ENGL 165.
Presents the principles and practices of construction management for small firms, with emphasis on marketing, cost accounting, job costing, ownership structure, financing, legal requirements, and construction bonding.

164 BLUEPRINT READING (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156 or ENGL 156 and CTCH 250.
Introduces basic skills in interpreting blueprints used in construction and interpreting requirements of a plan check. Covers architectural working drawings of residential, light construction, and commercial buildings. Provides an overview of building code provisions in a plan check.

168 RESIDENTIAL PLUMBING (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Introduces basic residential plumbing theory, installation techniques, plan reading and estimating methods.
Repeatable 1 time.

169 RESIDENTIAL WIRING (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Advisory: CTCH 250.
171A HOMEBUILDING - LAYOUT AND CONCRETE I (3.0)
12.0 hours per week: (4.0 hours lecture, 8.0 hours laboratory)
Associate Degree Applicable
Advisory: CTCH 250.
Provides basic instruction in the skills required for employment in building construction. Includes instruction in tool, equipment, and construction site safety, surveying, blueprint reading, concrete formwork, backhoe operations, and concrete flatwork.
Repeatable 1 time.

172A HOMEBUILDING - FLOOR AND WALL FRAMING I (3.0)
12.0 hours per week: (4.0 hours lecture, 8.0 hours laboratory)
Associate Degree Applicable
Advisory: CTCH 250.
Provides basic instruction in the skills required for employment in building construction. Includes instruction in rough carpentry, floor systems, wall framing, ceiling joists, exterior siding, shear walls, trusses, windows and roof sheathing, and fireplaces.
Repeatable 1 time.

173A HOMEBUILDING - ROOF FRAMING I (3.0)
12.0 hours per week: (4.0 hours lecture, 8.0 hours laboratory)
Associate Degree Applicable
Advisory: CTCH 250.
Introduces types of roof and stair systems, roofing, estimating live and dead loads, and specialized structural systems.
Repeatable 1 time.

175 BASIC HEATING, REFRIGERATION AND AIR CONDITIONING (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156 or ENGL 165.
Introduces residential gas heating, commercial refrigeration, and residential air conditioning. Includes demonstrations and systematic problem solving of electrical and mechanical malfunction.

176 BASIC WATER TREATMENT (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: MATH 123 or MATH 123SI.
Prepares the student to become a Water Treatment Plant Operator, Grade 1 or Grade 2. Includes the study of plant operation, water sources and treatment, reservoir management, coagulation and flocculation, sedimentation, filtration, disinfection, taste and odor control, and corrosion control.

177 WATER DISTRIBUTION SYSTEMS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: MATH 123 or MATH 123SI.
Prepares the student to be an operator for water storage and distribution systems. Provides an understanding of the basic operational and maintenance concepts of water distribution systems. Develops the ability to analyze and solve problems such as tastes and odors, corrosion damage, and system failures when they occur.

180A BUILDING CODE I, ARCHITECTURAL DESIGN PROVISIONS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: CTCH 250 and eligibility for ENGL 165.
Introduction to the Building Code, concentrating on the permit process and fundamental architectural design requirements involving occupancies, maximum allowable area, type of construction, proximity to property lines, exiting, fire protection, disabled access, elevators, and construction safety. This course is the first in a series of two which will familiarize the student with building code provisions relating to the design and construction of residential and commercial structures. The emphasis will be on requirements which limit or specify the building space to be created.
Repeatable.

180B BUILDING CODE II, STRUCTURAL DESIGN AND MATERIAL PROVISIONS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: CTCH 169 or 183A or 2 years experience in the electrical field.
Introduces the use of the National Electrical Code. Promotes an understanding of the electrical code necessary to the installation of such systems and the need to safeguard the public through uniformity and safety in building laws.

181 NATIONAL ELECTRICAL CODE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: CTCH 169 and ENGL 156 or ENGL 165.
Introduces the use of the National Electrical Code. Promotes an understanding of the electrical code necessary to the installation of such systems and the need to safeguard the public through uniformity and safety in building laws.

183A COMMERCIAL WIRING AND ELECTRICAL SYSTEMS (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CTCH 169 or 2 years experience in the electrical field.
Studies the responsibilities and knowledge required for professional industrial electricians working under current state certification requirements including: the industrial electrical service, power and lighting, feeder bus systems, panel boards, fiber optics and other high bandwidth data cabling systems, harmonics and filtering, hazardous locations, power factor, ballasts, transformers, switching systems, grounding and bonding, installation techniques, and applying code requirements to all aspects of industrial wiring systems. Course developed in conjunction with the California Apprenticeship Council's standards for the State Electrical Certification Examination.
Repeatable 3 times.

183B INDUSTRIAL WIRING AND ELECTRICAL SYSTEMS (4.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CTCH 169 or 183A or 2 years experience in the electrical field.
Studies the responsibilities and knowledge required for professional industrial electricians working under current state certification requirements including: the industrial electrical service, power and lighting, feeder bus systems, panel boards, fiber optics and other high bandwidth data cabling systems, harmonics and filtering, hazardous locations, power factor, ballasts, transformers, switching systems, grounding and bonding, installation techniques, and applying code requirements to all aspects of industrial wiring systems. Course developed in conjunction with the California Apprenticeship Council's standards for the State Electrical Certification Examination.
Repeatable 3 times.

193 TECHNICAL CAREER PREPARATION IN CONSTRUCTION (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.
201  PLANE SURVEYING  (3.0)
5.0 hours per week:  (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 229 or equivalent
Introduces the principles and practices of surveying, including the use of the engineer's tape, level, transit, and the use of an EDM (Electronic Distance Measurement). This equipment will be used to perform computations for horizontal and vertical distances, profiles, azimuths and bearings, traverse closures, topographic mapping, earthwork and land grading, and horizontal and vertical curves. Maps and land description also will be discussed.
Transfer: CSU; UC.

247  INDEPENDENT STUDIES: CONSTRUCTION TECHNOLOGY  (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the technical field in which the study is to be undertaken.
Provides an opportunity for in-depth study or practicum experience by an individual student in a selected topic in the construction technology area with support and direction from an instructor.
Repeatable 3 times.
Transfer: CSU.

250  INTRODUCTION TO CONSTRUCTION  (3.0)
4.0 hours per week:  (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156 or ENGL 165.
Presents the use and application of construction processes and materials for residential, commercial, heavy and highway construction. Covers topics such as elements of city planning, contracting, designing, construction finance, and real estate principals.
Transfer: CSU.

284  INTRODUCTION TO SOLAR TECHNOLOGY  (3.5)
5.5 hours per week:  (2.5 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: EET 213
Introduces basic concepts in solar energy including: the photovoltaic industry, solar radiation and electrical power, site surveying and planning, components of solar systems, cells modules and arrays, batteries, charge controllers and inverters. Addresses topics on the NABCEP PV entry level certification exam.
Repeatable 3 times.
Transfer: CSU.

285  SOLAR TECHNOLOGY DESIGN AND CONSTRUCTION  (3.5)
5.5 hours per week:  (2.5 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: EET 284
Builds on basic concepts from introduction to solar technology (EET 284), expanded topics include: solar system sizing, mechanical and electrical integration, utility interconnection, permitting and inspection, commissioning, maintenance, troubleshooting and economical analysis. Addresses topics on the NABCEP PV entry level certification exam.
Repeatable 3 times.
Transfer: CSU.

287  INTRODUCTION TO GREEN TECHNOLOGY  (4.0)
6.0 hours per week:  (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Introduces students to Green Building technologies. Investigates environmental trades impact on society, conservation fundamentals, energy management concepts, basics of retrofits, energy efficient building techniques and solar and wind energy principles.
Repeatable 3 times.
Transfer: CSU.

156  STUDENT SUCCESS  (1.0)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Prepares students for a successful college experience. College skills will include the understanding of campus/community diversity, communication, financial planning for college, utilizing campus/community resources, setting educational priorities to include looking at major and certificate programs, and understanding of college rules, regulations, and policies.
Transfer: CSU.

193  CRIMINAL JUSTICE SPECIAL TOPIC  (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

202  INTRODUCTION TO CRIMINAL JUSTICE  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Presents an overview of the history, theory, organization and practices of the criminal justice system and the interrelationship between the criminal justice system and society as a whole. Studies the origin, development and application of crime causation theories. Includes exploration and analysis of the roles, structure, and function of criminal justice agencies. Integrates an examination of the criminal justice system with a critical analysis of the system as an instrument of societal control and change.
Transfer: CSU; UC.

204  PRINCIPLES AND PROCEDURES OF THE JUSTICE SYSTEM  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prepares legal processes, responsibilities, and interrelationships of each component of the justice system. Includes a review of case and common law, pertinent court decisions, case methodology and research.
Transfer: CSU.

206  CONCEPTS OF CRIMINAL LAW  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prepares the student to understand the criminal law of the state of California, with an emphasis on criminal procedure.
Transfer: CSU; UC.

208  LEGAL ASPECTS OF EVIDENCE  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prepares the student to understand the legal aspects of evidence in criminal law.
Transfer: CSU.

210  PRINCIPLES OF INVESTIGATION  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prepares the student to understand the legal aspects of evidence in criminal law.
Transfer: CSU.
Courses

213  CONCEPTS OF ENFORCEMENT SERVICES  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Presents concepts, responsibilities, and techniques of police patrol in handling
ordinary police occurrences, including public service responsibilities.
Transfer: CSU.

224  POLICE-COMMUNITY RELATIONS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Explores the complex relationships between the community and the justice
system. Examines the role that race, ethnicity, gender, sexual orientation, social
class and culture play in the administration of justice. Presents the challenges
of administering justice within a diverse multicultural population and imparts
cultural knowledge, awareness and competence.
Transfer: CSU; UC.

226  INVESTIGATIVE REPORT WRITING  (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
develops proper investigative report writing skills. Provides practice in drafting
investigative reports that are used in the administration of justice. Emphasis
is on proper use of terminology, attention to detail, clarity, organization, and
accuracy in report writing.
Repeatable 2 times.
Transfer: CSU.

228  INTRODUCTION TO CORRECTIONS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Presents the history, operation, management, and procedures of the adult and
juvenile correctional systems, including probation and parole. Examines the
general operation of correctional institutions and the associated legal issues.
Includes an examination of correctional policy and its impact on society.
Transfer: CSU.

247  INDEPENDENT STUDIES: CRIMINAL JUSTICE  (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the tech-
nical field in which the study is to be undertaken.
Provides an opportunity for in-depth study or practicum experience by an
individual student in a selected topic of criminal justice under the direction of
an instructor.
Repeatable 3 times.
Transfer: CSU.

CULINARY ARTS [CUL]

100  CULINARY KITCHEN BASICS  (0.5)
0.5 hours lecture per week
Associate Degree Applicable
Introduces students to kitchen and pantry basics such as basic knife skills,
professional safety and sanitation guidelines, culinary math, and general kitchen
and pantry lay-out, guidelines, and procedures.

101  WHOLE GRAINS COOKERY  (0.5)
18.0 hours per week: (4.5 hours lecture, 13.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 100
Introduces the student to a wide variety of whole, un-refined grains in the
context of their native bio-regions and cultural status. Whole grains pertaining
to the Native Americas, Native Europe, Near Eastern regions, Asia, and Africa
will all be discussed and prepared. The student will explore a variety of cook-
ing techniques and applications pertaining to these grains for both home and
professional use.

102  SEASONAL CUISINE  (0.5)
18.0 hours per week: (4.5 hours lecture, 13.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 100
Demonstrates whole foods cuisine from a seasonal perspective, and how to
integrate these foods into both a production and home kitchen. The student
will learn the seasonality of produce through hands on experience, developing
seasonal menus, and field trips to local farmer's markets and organic farms. Lo-
cal foods and farmers will be emphasized.

103  HEALTHFUL ETHNIC CUISINE  (0.5)
18.0 hours per week: (4.5 hours lecture, 13.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 100
Introduces the student to traditional healthful cuisines found around the globe.
Preparing foods from traditional cuisines such as Mediterranean, Japanese,
Indian, and Thai will be emphasized. Traditional cuisines will be compared and
contrasted to a Western diet, and the health implications of both will be evalu-
ated and discussed.

104  LIVING AND RAW FOODS  (0.5)
18.0 hours per week: (4.5 hours lecture, 13.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 100
Introduces the student to the basic principles, theories, and preparations of
living and raw foods cuisine. Dishes will be prepared and evaluated according
to the principles of raw and living foods, requiring the food to never be heated
over 110 degrees F-115 degrees F. Basic food production methods covered
include sprouting, dehydrating, juicing, fermenting, soaking, and specialized
knife skills.

105  ALTERNATIVE BAKING AND DESSERT METHODS  (0.5)
18.0 hours per week: (4.5 hours lecture, 13.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 100
Introduces and teaches the student to use alternative baking methods and whole
food ingredients to create classic baked goods and sweets such as cakes, cookies,
scones, biscuits, breads, frostings, candies, frozen desserts, and custard like
desserts. Ingredients such as whole grain flours, unrefined sweeteners, non-dairy
milks, nuts, seeds, and fresh and dried fruits are emphasized.

106  ADVANCED VEGETARIAN CUISINE  (0.5)
18.0 hours per week: (4.5 hours lecture, 13.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 149
Advisory: CUL 101, CUL 102, CUL 103, CUL 104, CUL 105.
Engages the student in a more critical and in-depth approach to vegetarian
cuisine. Emphasizes advanced cooking techniques, vegetarian menu planning
and design, menu execution, seasonality of foods, fresh produce, whole grains,
and alternative cooking methods and ingredients.

125  BAKING AND BAKING SCIENCE I  (1.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 210
Corequisite: CUL 220
Introduces the student to the basic skills needed for professional baking. En-
able the student to learn and practice the skills and methods of the production
of bread, desserts, and other baked goods using quantity production techniques.

145  ADVANCED PASTRY ARTS  (1.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 235
Courses

2012-2013 Catalog

Cuesta College

VEGETARIAN CUISINE
22.0 hours per week: (16.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Engages the student in gourmet vegetarian food preparation, focusing on food service applications. Explores the history of vegetarianism worldwide, nutrition and health implications, ingredient selection, and preparation and cooking techniques of a wide variety of vegetarian diets.

CULINARY ARTS SPECIAL TOPIC
4.0 to 0.5 hours per week
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

CULINARY ARTS FUNDAMENTALS I
10.0 hours per week: (2.5 hours lecture, 7.5 hours laboratory)
Associate Degree Applicable
Introduces the student to the culinary arts profession and the professional kitchen. Emphasis on basic cooking methods, equipment use, and ingredients provides the student with a beginning understanding of food chemistry and cooking techniques. The course includes "hands-on" experience managing the dining room and kitchen in the production of stocks, broths, sauces, gravies, soups, and breakfast cookery.
Transfer: CSU.

FOOD SAFETY AND SANITATION
1.0 hours lecture per week
Associate Degree Applicable
Examines the principles of hygiene and sanitation and their application to food service operations. Emphasis is placed on the implementation of proper methods and procedures and the food handlers responsibility in maintaining high sanitation and safety standards.
Transfer: CSU.

CULINARY ARTS FUNDAMENTALS II
6.0 hours per week: (1.5 hours lecture, 4.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 210
Corequisite: CUL 125
Engages the student in the practical kitchen application of vegetable, grain, starch and the principles and practices used in producing pantry items in a commercial environment. A variety of menu items are prepared including salads, salad dressings, sandwiches, and vegetable, grain and legume dishes.
Transfer: CSU.

MEAT, POULTRY, AND SEAFOOD ANALYSIS AND PRODUCTION
6.0 hours per week: (1.5 hours lecture, 4.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 220
Corequisite: CUL 235
Engages the student in the practical kitchen application and cooking methods for major cuts of beef, pork, poultry, and seafood.
Transfer: CSU.

INTERMEDIATE BAKING
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 125
Corequisite: CUL 230
Engages the student in the skills necessary for the production of cakes, tortes, French pastries, and petit fours utilizing commercial baking techniques.
Transfer: CSU.

GARDE MANGER
2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 230
Corequisite: CUL 243 AND CUL 145
Engages the student in a comprehensive study of the skills necessary for the preparation of cold buffets. The course focuses on "hands-on" experience in the production of aspic jellies, terrines, galantines, salads, garnishes, chaud froid sauces, forcemeats, pates, gelatins, sausages, brines, dry cures, marinades, smoked meats, poultry and fish, salt dough display pieces, vegetable flowers, and buffet table and tray centerpieces using fruits and vegetables and ice sculptures.
Transfer: CSU.

INTERNATIONAL CUISINE
2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: CUL 230
Corequisite: CUL 240 AND CUL 145
Engages the student in gourmet international food preparation applied to restaurants. Explores customs, serving styles, and preparation techniques of foods unique to selected international cultures. Cultures to include, but not limited to: Italian, German, French, Asian, Middle Eastern, and Latin.
Transfer: CSU.

DANCE [DANC]

DANCE IMPROVISATION AND COMPOSITION
3.0 hours laboratory per week
Associate Degree Applicable
Exploration and development of improvisational and composition skills for the craft of choreography.
Repeatable 3 times.
Transfer: CSU; UC.

SOCIAL DANCE FORMS
3.0 hours laboratory per week
Associate Degree Applicable
Introduction to social dance techniques. Instruction and practice to include Swing, Cha Cha, Waltz, Fox Trot, Rhumba and Tango dances.
Repeatable 3 times.
Transfer: CSU; UC.

DANCE ENSEMBLE
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: By audition or consent of instructor
Advisory: One semester of dance technique in ballet, jazz, or modern recommended.
A laboratory course providing instruction in various dance techniques, choreography, music collaboration, make-up, costume construction, light design, and set construction, cumulating in an informal dance performance. Requires rehearsal.
Repeatable 3 times.
Transfer: CSU; UC.

DANCE HISTORY OF THE 20TH CENTURY
3.0 hours lecture per week
Associate Degree Applicable
A study of 20th century social and theatrical dance forms in the context of western societies with an emphasis on American dance. Influential choreographers, dancers and theorists will be discussed.
Transfer: CSU; UC.

DANCE CULTURES OF THE WORLD
3.0 hours lecture per week
Associate Degree Applicable
An introductory overview to some of the major dance traditions of the world. Emphasis is on why people dance, how they dance and why they dance the way they do. The particular forms may vary each semester but may include; African, Asian, Native American, Flamenco, Hawaiian and primitive dance.
Transfer: CSU; UC.
254 INTRODUCTION TO DANCE (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Applicable
Introduces the technique, history and choreography of the three major dance forms: ballet, jazz dance, and modern dance. Includes a final performance.
Repeatable 3 times.
Transfer: CSU; UC.

255 BALLET (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Applicable
Repeatable 3 times.
Transfer: CSU; UC.

256 JAZZ DANCE (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Applicable
Introduces jazz dance techniques including phrasing, performance, technique, choreography, and the presentation of simple dance.
Repeatable 3 times.
Transfer: CSU; UC.

258 DANCE CHOREOGRAPHY AND PERFORMANCE (2.0)
6.0 hours laboratory per week
Associate Degree Applicable
Presents basic dance techniques and choreography as they apply to dance production. Requires rehearsal and performance of selected student and/or faculty pieces. Presents choreography and dance production experience in a professional stage setting to broaden and expand comprehension of dance as an artistic and commercial form of expression.
Repeatable 3 times.
Transfer: CSU; UC.

260A MODERN DANCE, BEGINNING (1.0)
3.0 hours laboratory per week
Associate Degree Applicable
Presents beginning Modern Dance techniques, theory and processes. Includes technique practice focusing on the fundamentals of time, space and energy, exploration of anatomically efficient dance forms and preparation for individual expression through class performance.
Repeatable 3 times.
Transfer: CSU; UC.

260B MODERN DANCE, INTERMEDIATE (1.0)
3.0 hours laboratory per week
Associate Degree Applicable
Presents intermediate Modern Dance techniques, theory and processes. Includes technique practice focusing on the fundamentals of time, space and energy, exploration of anatomically efficient dance forms and preparation for individual expression through class performance.
Repeatable 3 times.
Transfer: CSU; UC.

260C MODERN DANCE, ADVANCED (1.0)
3.0 hours laboratory per week
Associate Degree Applicable
Presents advanced Modern Dance techniques, theory and processes. Includes technique practice focusing on the fundamentals of time, space and energy, exploration of anatomically efficient dance forms and preparation for individual expression through class performance.
Repeatable 3 times.
Transfer: CSU; UC.

270 DANCE PILATES (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Applicable
Advisory: Successful completion of a health screening examination.
Presents the technique of the Pilates method as a supportive conditioning practice for dance. The exercises encompass strength and flexibility components while focusing on alignment, efficiency of movement, balance and coordination as it pertains to dancers and their specific needs.
Repeatable 3 times.
Transfer: CSU; UC.

193 DRAMA SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

201A PRINCIPLES OF ACTING (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Explores each person's creative artistic expression and emphasizes the study of acting as a discipline. The fundamental techniques of acting are explored by analyzing plays with an emphasis on the actor's approach to personal awareness, characterisation, and the performer's relationship to all parts of the play's production.
Repeatable 1 time.
Transfer: CSU; UC.

201B PRINCIPLES OF ACTING (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: DRA 201A, DRA 248 or DRA 252
Continues the study of the theory and practice of acting with special emphasis on styles and forms of acting.
Repeatable 1 time.
Transfer: CSU; UC.

202 APPLIED PRINCIPLES OF ACTING (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: DRA 201A
Presents experience in ensemble interaction within the framework of dramatic works. Provides an opportunity to perform in workshop scenes and to present a program of short dramatic works for an audience.
Transfer: CSU; UC.

203 IMPROVISATION (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Explores spontaneity, physicalization, character and building in an energetic and engaging environment. Students will create non-scripted theatre through theatre games and improvisational scenes directed towards live performance (No previous theatre experience or preparation required.)
Repeatable 3 times.
Transfer: CSU.

205 INTRODUCTION TO DRAMATIC LITERATURE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.
Surveys the development of the world theatre from Greek drama to the present time as observed in the reading of representative plays. Introduces the playwrights, works, conventions, and traditions of important movements in the history of the theatre.
Transfer: CSU; UC.

206 THEATRE APPRECIATION (3.0)
3.0 hours lecture per week
215 INTRODUCTION TO STAGE MOVEMENT  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: ENGL 201A.  
Introduces the student to various aspects of stage movement, including choreography, blocking, stage combat, mime, and character work. Develops students' awareness of the expressive nature of the human body and how to use the body as a tool for creating a character.  
Transfer: CSU; UC.  

218 MAIN STYLES IN FILMS  
3.0 hours lecture per week  
Associate Degree Applicable  
Advisory: ENGL 201A.  
Traces the main currents in American and British films by means of the various movie genres and the representative films. Explores the conventions and aesthetic standards for the Western, mystery, comedy, musical, and science fiction of motion pictures.  
Transfer: CSU; UC.  

221 ACTING FOR THE CAMERA  
(3.0)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Advisory: Eligibility for ENGL 156.  
Prepares students to present themselves in a professional manner for the camera. Voice, appearance, movement and the technical aspects of camera performance will be covered through comprehensive exercises and on-camera evaluation.  
Transfer: CSU.  

222 DIRECTING FOR THE CAMERA  
(3.0)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Introduces students to the art and craft of directing the camera. Develops skills in pre-visualizing, pre-production, and executing successful shooting sessions. Prepares students to effectively work with actors and other crew members.  
Transfer: CSU.  

236 THEATRICAL COSTUME CONSTRUCTION 1  
(3.0)  
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Explores the basic areas of costume construction. Topics include fabrics, color, patterns, sewing techniques, costume pieces, and accessories. Period styles, costume analysis, and basic design are also covered. It offers experience in constructing costumes for theatrical productions. Field trips may be required.  
Transfer: CSU.  

247 INDEPENDENT STUDIES: DRAMA  
(2.0 to 0.5)  
6.0 hours laboratory per week  
Associate Degree Applicable  
Provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic of drama, under the direction of an instructor.  
Repeatable 3 times.  
Transfer: CSU; UC.  

248 PLAY PRODUCTION  
(3.0)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: Eligibility for ENGL 156  
Studies the techniques involved in the production of dramatic works. Emphasizes directing, acting, stagecraft, costuming, make-up, publicity, and stage lighting. Students must complete a major production responsibility.  
Repeatable 3 times.  
Transfer: CSU; UC.  

250 MUSICAL THEATRE WORKSHOP  
(3.0)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: Completion of or concurrent enrollment in MUS 250  
Develops the students’ skills for performance in musical theatre, including singing, acting, stage movement and choreography. Public performance may be required. Same as MUS 250.  
Repeatable 3 times.  
Transfer: CSU; UC.  

251 MUSICAL THEATRE PERFORMANCE  
(3.0)  
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)  
Associate Degree Applicable  
Prerequisite: Completion of or concurrent enrollment in DRA 250 or MUS 250 and/or audition  
Advisory: Eligibility for ENGL 156.  
Studies the techniques involved in the production of a full-length musical with emphasis on acting, singing, dancing, costuming, makeup, stagecraft, and pub-
EARLY CHILDHOOD EDUCATION (ECE)

135  STRATEGIES FOR CHALLENGING BEHAVIORS IN THE ECE CLASSROOM  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Introduces the biological and environmental risks associated with prenatal, perinatal, and postnatal brain development and the behavioral, psychological and cognitive implications for Early Childhood Education teachers. Presents strategies for dealing with challenging behaviors in the Early Childhood Classroom that result from cultural differences and/or difficulties with self-regulation, motivation, and sensory processing.

193  EARLY CHILDHOOD EDUCATION SPECIAL TOPIC  (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

201  CHILD GROWTH AND DEVELOPMENT  (3.0)
3.0 hours lecture per week
Prerequisite: ENGL 156
Presents a study of human development, and major milestones, from conception to adolescence; including cognitive (language), physical, social and emotional development, both typical and atypical, in order to foster an understanding of human behavior. In the process of studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.
Transfer: CSU; UC.

202  CHILD, FAMILY AND COMMUNITY  (3.0)
3.0 hours lecture per week
Prerequisite: ENGL 156
Examines the developing child in a societal context focusing on the interrelationship of family, school and community and emphasizes historical and sociocultural factors. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families.
Transfer: CSU; UC.

203  CURRICULUM FOR YOUNG CHILDREN  (3.0)
3.0 hours lecture per week
Advisory: Eligibility for ENGL 156.
Presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 6. Students will examine a teacher's role in supporting development and fostering the joy of learning for all young children using observation and assessment strategies emphasizing the essential role of play. An overview of content areas will include but not be limited to: Language and literacy, social and emotional learning, sensory learning, art and creativity, math and science.
Transfer: CSU.

204  CHILD HEALTH SAFETY AND NUTRITION  (3.0)
3.0 hours lecture per week
Advisory: ENGL 156.
Introduction to the Title 22 Community Care Licensing laws, regulations, standards, center specific sun exposure and poison control policies and procedures, Red Cross and Playground Safety policies, and environmental rating scales for early childhood and infant/toddler programs and curriculum related to child health safety and nutrition. The key components that ensure physical health, mental health and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Focus on integrating the concepts into everyday planning and program development for all children.
Transfer: CSU.

205  INTRO TO EARLY CHILDHOOD EDUCATION: PRINCIPLES AND PRACTICES  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Concurrent enrollment in ECE 206 is highly recommended.
Provides an overview of Early Childhood Education, educational requirements, compensation for teachers in California, and developmentally appropriate curriculum planning and teaching methods. This course reviews the historical roots of early childhood programs and the evolution of the practices promoting advocacy, professional ethics and identity.
Transfer: CSU.

206  OBSERVATION, RECORDING TECHNIQUES AND ASSESSMENT  (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Concurrent enrollment in ECE 205 is highly recommended.
Explores techniques in observing, documenting and assessing the development and behavior of children. Anecdotal records, checklists, rating systems, portfolios and multiple assessment strategies will be explored.
Transfer: CSU.

209  GUIDANCE, CURRICULUM AND ENVIRONMENTS  (3.0)
3.0 hours lecture per week
Prerequisite: ECE 203 and ECE 205
Corequisite: ECE 210
Advisory: ENGL 156.
Presents the principles of behavior and development that inform effective guidance, classroom management, curriculum, and learning environments. Analyzes the sources of curriculum and methodologies used in planning, presenting and assessing learning experiences and classroom ecologies. Meets Title XXII requirements: DS 3.
Transfer: CSU.

210  PRACTICUM: FIELD EXPERIENCE  (3.0)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ECE 206 and Department of Social Services Title XXII, Section 101215B requires current TB clearance
Corequisite: ECE 209
Advisory: ENGL 156.
Demonstrate developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children.
Transfer: CSU.

211  MUSIC AND MOVEMENT ACTIVITIES FOR YOUNG CHILDREN  (3.0)
3.0 hours lecture per week
Prerequisite: ENGL 156.
Advisory: Eligible for ENGL 156.
Presents techniques and guidelines for teaching movement exploration, physical education, and music to the preschool through third grade child. Examines the child's need for effective movement skills and musical experiences. Meets Title XXII requirements: DS 3, DS 5.
Transfer: CSU.
Cuesta College

213  INTRODUCTION TO THE TEACHING PROFESSION  (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Provides a minimum of 45 hours of supervised observation and participation in cooperating public schools. Discussion focuses on instructional practice and subject matter taught in the grades observed, as well as the historical, philosophical and social foundations of American public education. Examines opportunities, requirements, responsibilities, new directions, and rewards in teaching. Places students in a more informed position regarding the decision to pursue a career in education.
Transfer: CSU; UC.

215  TEACHING IN A DIVERSE SOCIETY  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ECE 210
Presents selected advanced students an opportunity to experience the responsibilities of being intern staff members in a preschool program. Meets Title XXII requirements: DS 3.
Transfer: CSU.

220  ART FOR CHILDREN  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A
Presents principles and practices in staff relations and the supervision and management of preschools, child care centers, and other programs. Includes the study of program planning, organizing, budgeting requirements, developing personnel policy, doing record keeping, following legal requirements and establishing relationships with the community, parents, and regulatory agencies. Meets Title XXII requirements: DS 6 Advanced.
Transfer: CSU.

234  CHILDREN’S LITERATURE  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A
Presents a survey of literature for children from infancy through early childhood school with an emphasis on a diversity perspective. Introduces the genre: picture books, traditional literature, fantasy, poetry, historical fiction, realistic fiction, biography and informational books. Emphasizes understanding, analysis, appreciation and application through an in-depth examination of a variety of children’s books. Meets Title XXII requirements: DS 3, DS 5.
Transfer: CSU.

236  UNDERSTANDING THE CHILD WITH SPECIAL NEEDS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Presents the study of the developmental sequence of children’s art and the teaching implications for children from age two through age eight with an emphasis on creative expression, aesthetic development, cultural and art heritage. Introduces a variety of media including drawing, painting, collage, printmaking, clay, assemblage, mask and puppet making. Meets Title XXII requirements: DS 3, DS 5.
Transfer: CSU.

241  INTERNSHIP  (3.0)
7.0 hours per week: (1.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Prerequisite: ECE 210, an interview and Department of Social Services Title XXII, Section 101216B requires current TB clearance
Provides selected advanced students an opportunity to experience the responsibilities of being intern staff members in a preschool program. Meets Title XXII requirements: DS 3.
Transfer: CSU.

242  INFANT-TODDLER CAREGIVING  (3.0)
3.0 hours per week
Associate Degree Applicable
Presents theories, techniques, and guidelines for the appropriate care, nurturing and guidance of infants and toddlers. Examines the materials, equipment and activities appropriate for children from infancy through age three. Examines the special needs of infants and toddlers with regard to health and safety, nutrition, rest and toileting. Meets Title XXII requirements: DS 4.
Transfer: CSU.

244  SUPERVISION AND ADMINISTRATION OF PARENT PROGRAMS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ECE 205 or one year of Early Childhood Education teaching experience
Explores the interdependent relationship between the teacher and the parent(s) of a young child. Investigates the wide range of activities in parent involvement, parent participation, and parent education in early childhood education. Presents techniques for working with parent(s), including: development of long-range plans, interview and guidance skills, and the ability to work with small and large groups. Meets Title XXII requirements: DS 6 Basic.
Transfer: CSU.

245  ADULT SUPERVISION, EVALUATION AND STAFF RELATIONS IN ECE  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ECE 207 or one year of Early Childhood Education teaching experience
Presents principles and practices in staff relations and the supervision and evaluation of staff in early childhood programs. Includes the study of the method of clinical supervision and performance evaluation, leadership styles, group dynamics, conflict resolution, staff development, staff diversity, staff roles and responsibilities. Meets Title XXII requirements: DS 6 Advanced.
Transfer: CSU.

246  ADMINISTRATION AND SUPERVISION OF EARLY CHILDHOOD SCHOOLS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ECE 244 or ECE 245
Presents principles and practices in supervision and management of preschools, child care centers, and other programs. Includes the study of program planning, organizing, budgeting requirements, developing personnel policy, doing record keeping, following legal requirements and establishing relationships with the community, parents, and regulatory agencies. Meets Title XXII requirements: DS 6 Advanced.
Transfer: CSU.

ECONOMICS [ECON]

193  ECONOMICS SPECIAL TOPIC  (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

201A  PRINCIPLES OF ECONOMICS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 123, MATH 123SI or equivalent
Advisory: Eligibility for ENGL 156.
Introduces the concepts and tools of macroeconomic analysis, especially as they apply to the United States economy. Includes the economizing problem; resource allocation between the private and public sectors; national income determination; fiscal and monetary policies as they relate to business cycles; and alternative views of Keynesians, Monetarists and supply-siders as they relate to solving economic problems.
Transfer: CSU; UC.
201B PRINCIPLES OF ECONOMICS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Presents a continuation of ECON 201A with emphasis on the concepts and tools of microeconomic analysis as they pertain to the economics of the firm and resource allocation; current economic problems such as antitrust regulations, rural economics, urban economics, income distribution, the radical critique; international economics and the world economy.
Transfer: CSU; UC.

213 ELECTRONICS TECHNOLOGY SPECIAL TOPIC (4.0 to 0.5)
1.0 hours lecture per week
Associate Degree Applicable
Advisory: EET 213 or equivalent.
Course includes basic topics related to Programmable Logic Controllers (PLC). Topics include a discussion of the PLC’s purpose, basic operation, functions, and applications.
Repeatable 3 times.

128 PROGRAMMABLE LOGIC CONTROLLER SEMINAR (1.0)
18.0 hours lecture per week
Associate Degree Applicable
Course includes basic topics related to Programmable Logic Controllers (PLC). Topics include a discussion of the PLC’s purpose, basic operation, functions, and applications.
Repeatable 3 times.
Prerequisite: Completion of or concurrent enrollment in MATH 123, MATH 127 or MATH 127SI
Introduces a broad range of topics in electricity and electronics. Fundamentals of DC, AC, transistors, and digital logic are all addressed with heavy emphasis on basic concepts. Circuit analysis methods and troubleshooting will be studied using a hands-on approach.
Transfer: CSU.

215 ANALOG DEVICES
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: EET 213
Advisory: EET 224.
Presents fundamental concepts in: transistor amplifiers, silicon controlled rectifiers, and op-amp circuits. Class and lab projects will include the building and troubleshooting of circuits using both schematic/simulator tools and actual hardware.
Transfer: CSU.

216 DIGITAL CIRCUITS WITH VHDL
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: EET 113 and EET 111 or EET 213
Introduces the design and implementation of digital circuits and systems using Complex Programmable Logic Devices (CPLDs), and Field Programmable Gate Arrays (FPGAs). VHDL is integrated into the course as students develop real designs using industry leading CAD tools.
Transfer: CSU.

224 INDUSTRIAL ELECTRONICS
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: EET 113 and EET 111 or EET 213
Advisory: EET 216.
Course includes basic topics related to industrial electronics. A brief review of analog circuits is expanded upon to develop more advanced circuit concepts. Topics include FET’s, SCR’s, basic components involved in motor control, DC and AC motors, and their controller circuits will be covered. Operational amplifiers will be covered, and their applications to sensor instrumentation. Transducers and applications to various sensors for heat, flow, force, etc. will be developed. Troubleshooting techniques for the above topics will be incorporated with each section.
Transfer: CSU.

227 FLUID AND PNEUMATIC TECHNOLOGY
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: PHYS 210.
Presents basic topics related to fluid and pneumatic systems and devices. Basic physics relating to fluid hydraulics and pneumatics will lead into applied topics such as tanks, pumps, pump filters, accumulators, actuators, valves, compressors, and pressure regulators. Some advanced topics such as accumulator circuits, directional control valves, sequencers, accumulator circuits, directional control valves, sequencers, pilots and solenoid controlled valves, and servo flow controlled valves will be addressed.
Transfer: CSU.

228 PROGRAMMABLE LOGIC CONTROLLERS
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: EET 213
Presents basic topics related to Programmable Logic Controllers (PLC) and SCADA data acquisition systems. Topics include a discussion of the PLC’s purpose, basic operation, functions, and applications. PLC architecture and hardware will be investigated, including I/O structures and configurations, central processing unit, and power supplies. PLC programming basics including: relay ladder logic, extended relay instructions, timers and counters, math functions, data and bit manipulation will be studied. Programs will be written and debugged, in a laboratory environment, that interface to electromechanical, hydraulic, pneumatic and Solar monitoring equipment. PLC peripherals and accessories will also be studied as well as SCADA software configuration.
Transfer: CSU.

239 COMPUTER NUMERICAL CONTROLS
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: CIS 213 and ENGR 226.
Presents basic concepts in CAD and CAM software and its application to manufacturing processes. Software will be utilized to design components that will be produced on CNC machinery. The basics of CNC hardware and operation, as well as programming in one, two, and three dimensions will be studied. The mathematics of controlling tool paths, the integration of software and hardware, and the manufacturing of products using CNC machines will be applied to lab experiments. CNC as a component of Computer Integrated Manufacturing will also be addressed.
Transfer: CSU.

247 INDEPENDENT STUDIES: ELECTRONICS TECHNOLOGY
(2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the technical field in which the study is to be undertaken
Course includes topics related to basic process instrumentation and control developed in conjunction with Pacific Gas and Electric’s (PG&E) I&C technician training program. A brief review of industrial electronics is expanded upon to develop more advanced process instrumentation and control concepts. Topics include advanced applications of components used in both DC and AC motor control, recorders, control valves and actuators, temperature sensors, pressure sensors, level sensors, flow sensors and instrumentation maintenance techniques.
Transfer: CSU.

257 COMPUTER INSTRUMENTATION AND CONTROL
4.0
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: EET 224.
Course includes topics related to basic process instrumentation and control developed in conjunction with Pacific Gas and Electric’s (PG&E) I&C technician training program. A brief review of industrial electronics is expanded upon to develop more advanced process instrumentation and control concepts. Topics include advanced applications of components used in both DC and AC motor control, recorders, control valves and actuators, temperature sensors, pressure sensors, level sensors, flow sensors and instrumentation maintenance techniques.
Transfer: CSU.

267 POWER SYSTEMS AND ROTATING ELECTRICAL MACHINERY
4.0
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: EET 224.
Course includes topics related to fundamental industrial electrical maintenance training developed in conjunction with Pacific Gas and Electric’s (PG&E) Electrical Maintenance Training Program. A brief review of electrical theory and practical troubleshooting is expanded upon to develop comprehensive electrical power system concepts. Topics include power drawings and circuit diagrams, grounding-cabling and conduit, meters, power transformers, circuit protection, relays, rotating electrical machinery, electrical testing equipment, bolting practices, controllers, safety and fire protection.
Transfer: CSU.
Basic certificate will need to be received in the Nursing office department in order to register for this course.

Repeatable.

103 HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONAL (1.5)
9.0 hours lecture per week
Associate Degree Applicable
Focus is safety in hazardous materials response as an emergency responder. After successful completion of this course, the student will receive a California State certificate for Hazardous Materials First Responder Operational level. The CA Certification meets the requirements of Title 8 CCR Sec. 5192 (q) and is required by emergency providers. A certification fee is required prior to completion of the course. Repeatable 3 times.

105 PARAMEDIC PREPARATORY (1.5)
1.5 hours lecture per week
Associate Degree Applicable
Prerequisite: Current EMT certificate; American Heart Association Healthcare Provider CPR or Red Cross Professional Rescuer; Must be 18 years of age on the first day of class.
Corequisite: EMS 105L
Introduces the student who may be interested in paramedicine to pre-hospital concepts. Emphasis is on a strong base of EMT skills prior to considering a career in paramedicine. The course is designed to prepare the student for the paramedic training. Topics include anatomy and physiology review, patient assessment, electrocardiology, basic pharmacology and study habits as it applies to paramedic-level training. Repeatable 1 time.

105L PARAMEDIC PREPARATORY LAB (0.5)
1.8 hours laboratory per week
Associate Degree Applicable
Prerequisite: Current EMT certificate; American Heart Association Healthcare Provider CPR or Red Cross Professional Rescuer; Must be 18 years of age on the first day of class.
Introduces the student to a ride-a-long experience exposing them to a working Paramedic on 911 systems in the field of EMS. The purpose is to watch how paramedics work with patients, Fire Departments, hospital staff, families and bystanders on scene, and nurses in the convalescent homes and other settings. Also, focuses on observation of how paramedics interact and work while on call. Repeatable 1 time.

106 PARAMEDIC THEORY I (14.0)
22.0 hours per week: (10.0 hours lecture, 12.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Program admission.
Applies advanced life support training in the emergency medical services career structure covering all techniques of anatomy and physiology. Includes cardiovascular, respiratory, pediatric, OB/GYN and traumatic emergency training. This course meets the minimum 450 hours of the 1090 minimum hours required to complete paramedic training in the state of California. Course content is based on the guidelines and authority of the Title 22, Division 9, of the California Code or regulations and the US Department of Transportation Emergency Medical Technician-Paramedic Standard National Curriculum. Repeatable 1 time.

107 PARAMEDIC THEORY II (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: EMS 106
Corequisite: EMS 107L
Builds on advance life support concepts by using scenario based situations to acute care patients for the paramedic student. This phase extends the theory discussion of EMS 106 with special events and operations. Repeatable 1 time.

107A ADVANCED CARDIAC LIFE SUPPORT (1.0)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: EMS 106; Current CPR for Health Care Providers Certificate
Teaches Advanced Cardiac Life Support knowledge and skills necessary to provide the appropriate early treatment for cardiopulmonary arrest. Based on current American Heart Association guidelines. Repeatable 4 times.

107B PEDIATRIC ADVANCE LIFE SUPPORT (1.0)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: EMS 106; Current CPR for Health Care Providers Certificate
Teaches Pediatric Advanced Cardiac Life Support knowledge and skills necessary to provide the appropriate treatment for pediatric emergencies. Based on current American Heart Association guidelines. Repeatable 3 times.

107C PREHOSPITAL TRAUMA LIFE SUPPORT (1.0)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: EMS 106; Current CPR for Health Care Providers Certificate
Provides knowledge and skills taught to provide pre-hospital trauma life support appropriate for the care of the trauma patient. National Association of Emergency Medical Technicians based course. Repeatable 3 times.

107L PARAMEDIC CLINICAL (3.0)
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: EMS 107
Corequisite: Advance Cardiac Life Support, Basic Trauma Life Support, Pediatric Advanced Life Support
Provides clinical application of advance life support concepts in acute patient care for the paramedic student. Opportunities for increasing skill performance in the clinical setting. Repeatable 1 time.

108A PARAMEDIC INTERN I (1.0)
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: EMS 107
Apply the third and final phase of paramedic training, which allows the student to be assigned to an emergency response vehicle with a field preceptor to establish advanced life support patient care responsibilities. The student develops advanced life support skills acquiring 54 hours toward the total hours required for the internship. Upon successful completion of this phase of training the student builds foundational skill in paramedicine. Repeatable 2 times.

108B PARAMEDIC INTERN II (8.0)
24.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: EMS 108A
Builds upon and provides a continuation of EMS 108A. Assigned to a preceptor on an emergency medical response vehicle, the student develops skill proficiency and increased independence in advanced life support patient care. Upon completion of this culminating field experience, the student becomes eligible for state certification as an Emergency Medical Technician - Paramedic. Repeatable 1 time.

193 EMERGENCY MEDICAL SERVICES SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

201 EMERGENCY MEDICAL TECHNICIAN (8.5)
8.0 hours per week: (8.0 hours lecture, 0.5 hours laboratory)
Cuesta College

Associate Degree Applicable
Prerequisite: Student must be 18 years of age by the first class meeting. Have a current Healthcare Provider or Professional Rescuer CPR card. Advisory: NRAD 222 and Eligibility for ENGL 156.

Meets the U.S. Department of Transportation Emergency Medical Technician (EMT) National Standard Curriculum for students desiring eligibility for certification. State certification for an EMT is mandated as the minimal level of emergency medical training required to work on any ambulance and in most fire departments. Student must be 18 years of age by the first class meeting and is required to bring a valid CA driver's license to show proof of age and a copy of current AHA issued Healthcare Provider or ARC issued CPR for the Professional Rescuer to first class meeting. Student is required to complete a drug screen and background check. Proof of immunizations will be needed prior to clinical. Uniform and other related materials will be required.

Transfer: CSU.

226 ENGINEERING DRAWING I (4.0)
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Introduction to engineering drawing using AutoCAD. Topics include geometric construction, orthographic projection, isometrics, sectionals, auxiliaries, descriptive geometry, dimensioning, and working drawings. The first six weeks of this course are the same as ENGR 226.
Repeatable 2 times.
Transfer: CSU; UC.

246 MATERIALS ENGINEERING (2.0)
3.0 hours laboratory per week
Associate Degree Applicable
Corequisite: ENGR 246
Prerequisite: CHEM 201A, MATH 265A
Presents the fundamentals of the structure of matter. Introduces physical and mechanical properties of materials including metals, alloys, ceramics, semiconductors, and polymers. Provides a study of heat treatments, materials selection, corrosion phenomena, and equilibrium diagrams.
Transfer: CSU; UC.

248 INTRODUCTION TO ENGINEERING (1.0)
1.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Broad overview of the field of engineering, including professional societies and their student chapters, professional licensing and registration, professional codes of ethics, the elements of engineering design, and the scope of analysis and design activities undertaken by private and public sector civil design professionals.
Transfer: CSU; UC.

Courses
Courses
2012-2013 Catalog Cuesta College

ENGLISH [ENGL]

099 BASIC READING AND WRITING (4.0)
4.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: ACSV 036 and ACSV 050 with a C or better or ESL 006 and ESL 045 with a C or better or qualifying score on the Assessment test or equivalent
Introduces students to the language arts through intensive reading, writing, and critical thinking. Emphasizes the process approach to reading and writing. Provides a basic course in sentence and paragraph construction, with limited introduction to the essay.

156 COLLEGE READING AND WRITING (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 099 with a C or better or equivalent
Provides a basic course in college reading and writing with individual attention to sentence structure, paragraph and essay structure, grammar, and critical thinking skills.

193 ENGLISH SPECIAL TOPICS (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

201A ENGLISH COMPOSITION (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 156 or ENGL 165 with a grade of C or better
Provides a study of and practice in the use of language and writing of argumentative/analytical essays and research papers.
Transfer: CSU; UC.

201B ENGLISH COMPOSITION: INTRODUCTION TO LITERATURE (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Provides an introduction to the study of literature with an emphasis on both literary composition and critical thinking. This course develops critical thinking and writing skills through the close study of major genres of literature: poetry, fiction, and drama. Students receive instruction in analytical and argumentative writing by studying literature and criticism and by identifying sound and fallacious methods of reasoning in assessments of literature.
Transfer: CSU; UC.

212A AMERICAN LITERATURE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Presents a survey of American literature from the pre-colonial period to the Civil War. Introduces the study of major American writers against their historical backgrounds. Such writers as Bradstreet, Paine, Franklin, Jefferson, Poe, Cooper, Irving, Bryant, Melville, Hawthorne, Longfellow, Emerson, Thoreau, Whitman, and Dickinson are studied.
Transfer: CSU; UC.

212B AMERICAN LITERATURE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
The study of major America writers from the Civil War up through contemporary times. Includes writers such as Twain, Howells, Crane, London, Hemingway, Steinbeck, Faulkner, Wright, Dos Passos, Frost, Pound, Eliot, Stevens, Cummings, O'Neill, Tennessee Williams, Arthur Miller, O'Connor, Alice Walker, Berryman, Lowell, Sexton and Plath.
Transfer: CSU; UC.

213 MULTICULTURAL VOICES IN AMERICAN LITERATURE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Introduces current literary study which focuses upon issues of race, gender, class, sexual orientation, and ethnicity in American literature. Surveys American history and culture in the context of its multicultural literary tradition from the early Native American tradition to present day. Emphasizes the formation of minority discourse against and within American mainstream culture and its literary tradition. Uses poems, novels, short stories, and essays for study.
Transfer: CSU; UC.

201C ENGLISH COMPOSITION: CRITICAL THINKING (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Presents an advanced composition course beyond ENGL 201A which emphasizes critical thinking, including reasoning, rhetoric, reading, and information fluency in order to develop argumentative skills for diverse contexts and audiences.
Transfer: CSU; UC.

205 INTRODUCTION TO POETRY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Advisory: ENGL 201B
Introduces the study of poetry with emphasis on understanding, analysis, and appreciation of poetry through an in-depth examination of a variety of literary works.
Transfer: CSU; UC.

206 INTRODUCTION TO THE NOVEL (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Advisory: ENGL 201B
Introduces the study of the novel with emphasis on understanding, analysis, and appreciation of the novel through an in-depth examination of a variety of literary works.
Transfer: CSU; UC.

215 SHAKESPEARE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Introduces Shakespeare’s works with emphasis on analysis of character and
structured scene and requires preparation of critical papers based on analytical reading and investigation.
Transfer: CSU; UC.

216 LITERATURE AND FILM (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Presents the techniques of literary criticism to analyze films and the literary works that inspired them. Examines narrative in film and the criteria for evaluating films and literature emphasizing objective analysis and comparison and contrast.
Transfer: CSU; UC.

217 LITERATURE BY WOMEN (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Presents a survey of literature by women of English-speaking countries from the Middle Ages to the 21st century, with an emphasis on comparing historically oppressed women writers (including African-American and lesbian writers) to those in the mainstream. Authors covered include Phillis Wheatley, Anne Bradstreet, Mary Wollstonecraft, Jane Austen, Sojourner Truth, Harriet Beecher Stowe, Kate Chopin, Willa Cather, Gertrude Stein, Virginia Woolf, Zora Neale Hurston, Anne Sexton, Maya Angelou, Adrienne Rich, Toni Morrison, Sylvia Plath, Audre Lorde, Alice Walker, and Louie Erdrich.
Transfer: CSU; UC.

231 CREATIVE WRITING (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Presents an opportunity for creative literary expression and emphasizes techniques in writing poems, and/or short stories, and/or plays for informal discussion and criticism by the class and by the instructor. Provides the opportunity to discover one's talent and to practice writing skills.
Transfer: CSU; UC.

242H HONORS SEMINAR: ENGLISH COMPOSITION (1.0)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in ENGL 201A
Provides the opportunity for a student with a background in general education and for providing study and practice in greater depth in writing. Emphasis is on discussion and analysis of subject matter, issues related to the field of study and current advancements in the field. Open only to students admitted to the honors program.
Transfer: CSU.

244A EUROPEAN LITERATURE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Presents a survey of European literature from the early Greeks up through the Renaissance of the 15th and 16th centuries. Major works and authors covered include Homer, Sophocles, Aristophanes, Plato, Aristotle, Virgil, Ovid, Catullus, “The Song of Roland,” Dante, Boccaccio, Petrarch, Rabelais, Cellini, Erasmus, Machiavelli, and Cervantes.
Transfer: CSU; UC.

244B EUROPEAN LITERATURE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Presents a survey of European literature from the Neo-classical Age up into the moderns of the 20th century. Major authors covered include Moliere, Racine, Voltaire, Rousseau, Goethe, Flaubert, Tolstoy, Ibsen, Chekhov, Baudelaire, Kafka, Sarte, and Camus.
Transfer: CSU; UC.

246A SURVEY OF BRITISH LITERATURE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Presents a survey of British literature from the Middle Ages through the 18th century. Introduces the study of major British writers against their historical backgrounds. Such writers as Chaucer, Spenser, Shakespeare, Jonson, Donne, Milton, Dryden, Swift, Pope, Johnson, and Boswell will be studied.
Transfer: CSU; UC.

246B SURVEY OF BRITISH LITERATURE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ENGL 201A with a grade of C or better
Presents a survey of major British writers extending from the Romantic Period through the 20th century, focusing on such writers as Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold, Hopkins, Yeats, Lawrence, Eliot, Auden, Thomas, and Woolf.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: ENGLISH (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of English under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.

ENGLISH SECOND LANGUAGE [ESL]

001 READING, WRITING, GRAMMAR AND CONVERSATION (6.0)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: ESL Placement Test
Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing, grammar, listening and speaking at the beginning level. May be taken concurrently with ESL 015, ESL 025, or ESL 035.

002 ESL READING, WRITING, AND GRAMMAR, LEVEL 2 (6.0)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: High-beginning score on the ESL placement test or successful completion of ESL 001 with a grade of C or better.
Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing, grammar, and listening and speaking at the high-beginning level. May be taken concurrently with ESL 015, ESL 025 or ESL 035.

003 ESL READING, WRITING, AND GRAMMAR, LEVEL 3 (6.0)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Low-intermediate score on the ESL placement test or successful completion of ESL 002 with a grade of C or better.
Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing, and grammar at the low-intermediate level. May be taken concurrently with ESL 015, ESL 025 or ESL 035.

004 ESL READING, WRITING, AND GRAMMAR, LEVEL 4 (6.0)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: High-intermediate score on the ESL placement test or completion of ESL 003 with a grade of C or better
Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing, and grammar at the high-intermediate level. May be taken concurrently with ESL 015, ESL 025 or ESL 035.
005  ENGLISH AS A SECOND LANGUAGE, WRITING AND GRAMMAR 005 (6.0)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Lower-advanced score on the ESL placement test or completion of ESL 004 with a grade of C or better
Focuses on building English language skills for speakers of other languages with an emphasis on writing and grammar at the lower-advanced level. May be taken concurrently with ESL 045 and with ESL 035A, ESL 035B or ESL 035C.

006  ENGLISH AS A SECOND LANGUAGE, WRITING AND GRAMMAR 006 (6.0)
6.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Upper-advanced score on the ESL placement test or completion of ESL 005 with a grade of C or better
Focuses on building English language skills for speakers of other languages with an emphasis on writing and grammar at the upper-advanced level. May be taken concurrently with ESL 045 and with ESL 035A, ESL 035B or ESL 035C.

045  ENGLISH AS A SECOND LANGUAGE, ADVANCED READING 045 (3.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Advanced score on the ESL placement test or completion of ESL 004 with a grade of C or better
Focuses on building English language skills for speakers of other languages with an emphasis on reading at the advanced level. May be taken concurrently with ESL 005 or ESL 006 and with ESL 035A, ESL 035B, or ESL 035C.

015A  BEGINNING LEVEL CONVERSATION (3.0 to 2.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Beginning-level score on the oral component of the ESL placement test
Focuses on basic communication skills in listening comprehension and speaking for speakers of other languages and enables the beginning-level student to function in common English-speaking situations. Prepares students for ESL 025A, ESL 025B or ESL 025C.

015B  BEGINNING LEVEL CONVERSATION (3.0 to 2.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Beginning-level score on the oral component of the ESL placement test
Focuses on basic communication skills in listening comprehension and speaking for speakers of other languages and enables the beginning-level student to function in common English-speaking situations. Prepares students for ESL 025A, ESL 025B or ESL 025C.

015C  BEGINNING LEVEL CONVERSATION (3.0 to 2.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Beginning-level score on the oral component of the ESL placement test
Focuses on basic communication skills in listening comprehension and speaking for speakers of other languages and enables the beginning-level student to function in common English-speaking situations. Prepares students for ESL 025A, ESL 025B or ESL 025C.

025A  INTERMEDIATE LEVEL CONVERSATION (3.0 to 2.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Intermediate-level score on the oral component of the ESL placement test or completion of ESL 015 or 015A or 015B or 015C with a grade of C or better
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the intermediate-level student to function in everyday English-speaking situations. Prepares students for ESL 035A, ESL 035B or ESL 035C.

025B  INTERMEDIATE LEVEL CONVERSATION (3.0 to 2.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Intermediate-level score on the oral component of the ESL placement test or completion of ESL 015 or 015A or 015B or 015C with a grade of C or better
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the intermediate-level student to function in everyday English-speaking situations. Prepares students for ESL 035A, ESL 035B or ESL 035C.

025C  INTERMEDIATE LEVEL CONVERSATION (3.0 to 2.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Intermediate-level score on the oral component of the ESL placement test or completion of ESL 015 or 015A or 015B or 015C with a grade of C or better
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the intermediate-level student to function in everyday English-speaking situations. Prepares students for ESL 035A, ESL 035B or ESL 035C.

035A  ADVANCED LEVEL CONVERSATION (3.0 to 2.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Advanced-level score on the oral component of the ESL placement test or completion of ESL 025 or 025A or 025B or 025C with a grade of C or better
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the advanced-level student to function in academic, professional and everyday English-speaking situations.

035B  ADVANCED LEVEL CONVERSATION (3.0 to 2.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Advanced-level score on the oral component of the ESL placement test or completion of ESL 025 or 025A or 025B or 025C with a grade of C or better
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the advanced-level student to function in academic, professional and everyday English-speaking situations.

035C  ADVANCED LEVEL CONVERSATION (3.0 to 2.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Advanced-level score on the oral component of the ESL placement test or completion of ESL 025 or 025A or 025B or 025C with a grade of C or better
Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the advanced-level student to function in academic, professional and everyday English-speaking situations.

061  BEGINNING LANGUAGE LAB (1.0 to 0.5)
3.0 hours lab per week
Associate Degree Non-Applicable
Provides self-paced, individualized English-language instruction for beginning-level students whose first language is not English. The lab focuses on writing, reading, grammar, and listening skills needed in beginning-level ESL courses. This course is open to beginning-level students whose first language is not English.

062  INTERMEDIATE LANGUAGE LAB (1.0 to 0.5)
3.0 hours lab per week
Associate Degree Non-Applicable
Provides self-paced, individualized English-language instruction for intermediate-level students whose first language is not English. The lab focuses on writing, reading, grammar, and listening skills needed for intermediate-level ESL courses. This course is open to intermediate-level students whose first language is not English.

063  ADVANCED LANGUAGE LAB (1.0 to 0.5)
3.0 hours lab per week
Associate Degree Non-Applicable
Provides self-paced, individualized English-language instruction for advanced-
level students whose first language is not English. The lab focuses on writing, reading, grammar, and listening skills needed for advanced-level ESL courses. This course is open to advanced-level students whose first language is not English.

193 ENGLISH AS A SECOND LANGUAGE SPECIAL

TOpIC (4.0 to 0.5)

 Associate Degree Non-Applicable

 Examines a special topic in the field of study related to the discipline offering this course.

193A LANGUAGE LAB (1.0 to 0.5)

  3.0 hours laboratory per week
  
  Limit on Enrollment: Open to students whose first language is not English

  Provides self-paced, individualized instruction in Academic English, including oral and written communication skills for students who speak English as a second language. The lab focuses on writing, reading, listening, and speaking skills needed in college courses. This course is open to any student whose first language is not English.

701 ESL BEGINNING LITERACY - LEVEL 1 (0.0)

  4.5 hours lecture per week
  
  The purpose of this course is to provide pre-literate students who have extremely limited or no reading/writing skills in their primary language with basic English necessary to function successfully in everyday encounters. Repeatable 3 times.

702 ESL BEGINNING LITERACY - LEVEL 2 (0.0)

  4.5 hours lecture per week
  
  Provides students with basic skills at the beginning-low level in English through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught. Repeatable 3 times.

703 ESL BEGINNING HIGH - LEVEL 3 (0.0)

  4.5 hours lecture per week
  
  Provides students with basic skills in English at the beginning-high level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught. Repeatable 3 times.

704 ESL INTERMEDIATE LOW - LEVEL 4 (0.0)

  4.5 hours lecture per week
  
  Provides students with basic skills in English at the intermediate-low level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught. Repeatable 3 times.

705 ESL INTERMEDIATE HIGH - LEVEL 5 (0.0)

  4.5 hours lecture per week
  
  Provides students with basic skills in English at the intermediate-high level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught. Repeatable 3 times.

706 ESL ADVANCED - LEVEL 6 (0.0)

  4.5 hours lecture per week
  
  Provides students with basic skills in English at the advanced level through listening/speaking practice. Lifeskills, grammar, pronunciation, vocabulary, history, government, and culture are taught. Repeatable 3 times.

707 U. S. CITIZENSHIP (0.0)

  3.0 hours lecture per week
  
  Designed to provide non-U.S. citizens with an in-depth study of the federal and state system of government and the U. S. Constitution. This class will also prepare students for the U.S. Citizenship and Immigration Service application process and oral interview. Repeatable 3 times.

193 FAMILY STUDIES SPECIAL TOPIC (4.0 to 0.5)

  Associate Degree Applicable

  Examines a special topic in the field of study related to the discipline offering this course.

202 CHILD, FAMILY AND COMMUNITY (3.0)

  3.0 hours lecture per week
  
  Associate Degree Applicable
  
  Prerequisite: ENGL 156

  Studies patterns of family living in contemporary society, emphasizing the varying roles and interaction of family members and factors which affect family life. Discusses cultural, social, economic, racial, and ethnic differences. Focuses on the developing child and emphasizes the influences of family and community.

  Same as ECE 202. Meets Title XXII requirements: DS 2.

  Transfer: CSU; UC.

205 LIFE MANAGEMENT (3.0)

  3.0 hours lecture per week
  
  Associate Degree Applicable

  Life Management provides individuals with skills for understanding and using internal and external resources to function effectively in society now and in the future. Major topics covered in the course include: the effects of cultural forces and future trends on values, standards, and goals; skills for decision making, time, personal energy, stress, and conflict management; and techniques for improving self-esteem and self-understanding, values clarification, and interpersonal relationships.

  Transfer: CSU.

210 INTRODUCTION TO HUMAN SERVICES (3.0)

  3.0 hours lecture per week
  
  Associate Degree Applicable
  
  Advisory: ENGL 156

  Presents an overview and history of the human services, with emphasis on the groups needing services in contemporary society. Acquaints students with career opportunities in, and the education and job requirements of the different services.

  Transfer: CSU.

212 HUMAN DEVELOPMENT: LIFE SPAN (3.0)

  3.0 hours lecture per week
  
  Associate Degree Applicable
  
  Advisory: ENGL 156

  Integrates the physical, social, emotional and cognitive aspects of human development throughout the lifespan. Discusses the developmental tasks facing people at various points in the life cycle. Explores the way social interaction and cultural institutions shape the development of the individual. Meets Title XXII requirements: DS 1.

  Transfer: CSU; UC (For UC, maximum credit of one course between FMST 212 and 213).

213 ETHNIC IDENTITY AND DEVELOPMENTAL PATTERNS (3.0)

  3.0 hours lecture per week
  
  Associate Degree Applicable

  Interrogates the influence of ethnic identity on psycho-social developmental processes of major U.S. ethnic groups. Examines psychological theories of ethnic identity development and how ethnicity impacts the development and functioning of intra-psychological processes; interpersonal relationships; and mental health. Analyzes research methodology and current research on the developing person and multicultural psychology. Discusses the psychological contents of culture and its relationship to mental processes and behaviors.

  Transfer: CSU; UC.

214 FAMILY, RELATIONSHIPS AND INTIMACY (3.0)

  3.0 hours lecture per week
  
  Associate Degree Applicable
  
  Advisory: ENGL 156

  Presents sociological, psychological and cross-cultural concepts of intimate rela-
215 DEVELOPMENTAL PATTERNS OF WOMEN (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Examines major theories and research illuminating the relationship between gender and women's development across the lifespan. Particular emphasis is given to the evaluation of how the socio-cultural construction of gender influences psychological processes and interpersonal relationships.
Transfer: CSU; UC.

216 THE STUDY OF PARENTING: THEORY AND PRACTICE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of family studies under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.

218 HUMAN SEXUALITY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Examines responsible use of sexuality as a part of life adjustment.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: FAMILY STUDIES (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an overview of the complex social, psychological, and psychological aspects of human sexuality. Examines responsible use of sexuality as a part of life adjustment.
Transfer: CSU.

270 INTRO TO ADDICTION STUDIES: ADDICTION AND THE COMMUNITY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Examines the history, theories, research, and current approaches to substance abuse education and prevention including public policy, media, age, gender, and culture-specific considerations and models.
Transfer: CSU.

271 GROUP PROCESS AND PRACTICE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: FMST 210 and FMST 270
Examines the process and practice used in the helping professions including task-oriented, psychoeducational, counseling, and psychotherapy groups with specific populations.
Transfer: CSU.

272 DRUG PREVENTION AND EDUCATION (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: FMST 270
Examines the history, theories, research, and current approaches to substance abuse education and prevention including public policy, media, age, gender, and culture-specific considerations and models.
Transfer: CSU.

278 FAMILIES AND ADDICTION (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156 and FMST 270
Examines common patterns of family structure and functioning often correlated with substance abuse and addiction including the major types of family systems and dynamics. Reviews basic clinical practice including therapeutic approaches, skills, and techniques for effective intervention and treatment modalities for both individuals and the family system.
Transfer: CSU.

279 TREATMENT AND CASE MANAGEMENT (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: FMST 210 and FMST 270
Examines common patterns of family structure and functioning often correlated with substance abuse and addiction including the major types of family systems and dynamics. Reviews basic clinical practice including therapeutic approaches, skills, and techniques for effective intervention and treatment modalities for both individuals and the family system.
Transfer: CSU.

280 BASIC INTERVIEWING AND COUNSELING SKILLS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: FMST 210 and FMST 270
Examines the history, theories, research, and current approaches to substance abuse education and prevention including public policy, media, age, gender, and culture-specific considerations and models.
Transfer: CSU.

288 ADDICTION STUDIES FIELDWORK AND SEMINAR (7.0)
17.0 hours per week: (2.0 hours lecture, 15.0 hours laboratory)
Associate Degree Applicable
Prerequisite: FMST 213, FMST 270, HEED 206
Provides the required 250 hours of internship for students seeking a degree in one-on-one counseling skills relevant to the helping professions with emphasis on motivational interviewing and client empowerment approaches. Places a strong emphasis on professional ethics and boundaries. Skills may be applied in counseling, mediation, negotiation and interpersonal settings.
Repeatable 1 time.
Transfer: CSU.

193 FASHION MERCHANDISING & DESIGN SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.
### Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours per week</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>210</td>
<td>INTRODUCTION TO FASHION</td>
<td>3.0</td>
<td>3</td>
<td>Associate Degree Applicable&lt;br&gt;Advisory: ENGL 156. Exploring the fashion industry and careers related to design, production, and merchandising of fashion products. Transfer: CSU.</td>
</tr>
<tr>
<td>212</td>
<td>TEXTILES</td>
<td>3.0</td>
<td>3</td>
<td>Associate Degree Applicable&lt;br&gt;Advisory: ENGL 156. Introduces fibers, yarns, fabric constructions, and finishes which affect textile selection, uses, and care; provides experiences in textile testing and fabric identification; and relates textile science to consumer textile product selection. Same as ID 280. Transfer: CSU; UC.</td>
</tr>
<tr>
<td>216</td>
<td>FASHION ILLUSTRATION</td>
<td>3.0</td>
<td>5</td>
<td>Associate Degree Applicable&lt;br&gt;Presents techniques of &quot;quick sketch&quot; using pencil, pen, art markers, and watercolors. Students will also learn how to show fabric texture and pattern in their finished drawings which may become part of their design portfolio. Transfer: CSU.</td>
</tr>
<tr>
<td>218</td>
<td>FASHION DESIGN I</td>
<td>3.0</td>
<td>5</td>
<td>Associate Degree Applicable&lt;br&gt;Advisory: FDM 216. Provides an in-depth study of the fashion design process involving research of current trends, fashion influences, target markets, customer focus, and trade publications. Presents the concept of designing &quot;collections&quot; utilizing artwork, tools and techniques suitable for inclusion in a fashion portfolio. Translate original designs onto a fashion croquis; both figure and flat format. Employ creative applications for line pages and presentation boards. Transfer: CSU.</td>
</tr>
<tr>
<td>220</td>
<td>FASHION ANALYSIS</td>
<td>3.0</td>
<td>3</td>
<td>Associate Degree Applicable&lt;br&gt;Advisory: ENGL 156. Studies the psychological and sociological significance of clothing styles. Applies elements and principles of design of apparel and figure types to project a desired image. Transfer: CSU.</td>
</tr>
<tr>
<td>225</td>
<td>HISTORY OF FASHION</td>
<td>3.0</td>
<td>3</td>
<td>Associate Degree Applicable&lt;br&gt;Advisory: ENGL 156. Surveys the evolution of apparel and accessory styles from classic civilization through present day. Explores the relationship of recurring styles of the past to contemporary trends. Includes the impact of sociological, technological, economic, cultural and political factors on fashion. Transfer: CSU.</td>
</tr>
<tr>
<td>230</td>
<td>RETAIL BUYING</td>
<td>3.0</td>
<td>3</td>
<td>Associate Degree Applicable&lt;br&gt;Advisory: ENGL 156 and MATH 003. Explores the intricate decision making process of forecasting trends, planning merchandise assortments, and buying for various types of retail environments. Also includes pricing principles, inventory control through a six-month merchandise plan and composing purchase orders. The importance of developing strategic partnerships with vendors and suppliers is explored. Transfer: CSU.</td>
</tr>
<tr>
<td>235</td>
<td>FASHION PROMOTION</td>
<td>3.0</td>
<td>3</td>
<td>Associate Degree Applicable&lt;br&gt;Advisory: ENGL 156. Principles of fashion promotion and coordination. Study of the psychology of fashion, functions of the fashion coordinator and techniques and procedures for presenting fashion. Observation and participation in an area of the fashion industry. Studies the functions of fashion coordinators and directors in retail and wholesale fields. Transfer: CSU.</td>
</tr>
<tr>
<td>247</td>
<td>INDEPENDENT STUDIES: FASHION DESIGN AND MERCHANDISING</td>
<td>2.0 to 0.5</td>
<td>6</td>
<td>Associate Degree Applicable&lt;br&gt;Prerequisite: The student must have completed a preparatory course in the field in which the study is to be undertaken. Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of fashion design or fashion merchandising under the direction of an instructor. Repeatable 3 times. Transfer: CSU.</td>
</tr>
<tr>
<td>263</td>
<td>APPAREL CONSTRUCTION I</td>
<td>3.0</td>
<td>5</td>
<td>Associate Degree Applicable&lt;br&gt;Apply the principles and methods of apparel construction with emphasis on fashion fabric selection, pattern design selection, and construction techniques for garment design and fit. Repeatable 1 time. Transfer: CSU.</td>
</tr>
<tr>
<td>265</td>
<td>PATTERN DEVELOPMENT</td>
<td>3.0</td>
<td>5</td>
<td>Associate Degree Applicable&lt;br&gt;Presents drafting and the flat pattern method of pattern design. Build block patterns and original apparel designs for the commercial dress form or individual figure. Analyze garment designs, fit adjustments, figure variations, and the use of fabric grain. Transfer: CSU.</td>
</tr>
<tr>
<td>308</td>
<td>FRENCH [FR]</td>
<td>(5)</td>
<td>5</td>
<td>Associate Degree Applicable&lt;br&gt;Advisory: FR 110 with a minimum grade of C or better. Presents a continuation of FR 110 with intensive practice of oral communication skills and students will develop listening comprehension, reading skills and knowledge and understanding of French-speaking cultures.</td>
</tr>
<tr>
<td>110</td>
<td>BEGINNING FRENCH CONVERSATION AND READING</td>
<td>5.0</td>
<td>5</td>
<td>Associate Degree Applicable&lt;br&gt;Presents basic vocabulary and pronunciation needed to converse in French. Students will also develop listening comprehension, reading skills and knowledge and understanding of French-speaking cultures.</td>
</tr>
<tr>
<td>120</td>
<td>FRENCH CONVERSATION AND READING</td>
<td>5.0</td>
<td>5</td>
<td>Associate Degree Applicable&lt;br&gt;Advisory: FR 110 with a minimum grade of C or better. Presents a continuation of FR 110 with intensive practice of oral communication skills and students will develop listening and reading strategies to access authentic cultural information.</td>
</tr>
<tr>
<td>193</td>
<td>FRENCH SPECIAL TOPIC</td>
<td>4.0 to 0.5</td>
<td>6</td>
<td>Associate Degree Applicable&lt;br&gt;Examines a special topic in the field of study related to the discipline offering this course.</td>
</tr>
<tr>
<td>201</td>
<td>FRENCH I</td>
<td>5.0</td>
<td>5</td>
<td>Associate Degree Applicable&lt;br&gt;Presents a topic-based introduction to contemporary French language and culture with an emphasis on listening comprehension, oral interaction, culture-centered reading and writing basic French. Social and cultural aspects of the</td>
</tr>
</tbody>
</table>
French-speaking world are presented along with some of the most essential structures and vocabulary.
Transfer: CSU; UC.

202 FRENCH II
5.0 hours lecture per week
Associate Degree Applicable
Advisory: FR 201 with a minimum grade of C or better
Presents a continuation of FR 201 with intensive, topic-based practice in oral interaction, culture-centered reading and writing, and listening comprehension using recordings and video clips from the French-speaking world.
Transfer: CSU; UC.

203 FRENCH III
5.0 hours lecture per week
Associate Degree Applicable
Advisory: FR 202 with a minimum grade of C or better
Presents a continuation of FR 202 with intensive, topic-based practice in listening comprehension, cultural readings and writing, and oral interaction including group discussion.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: FRENCH
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for in-depth study by an individual student in a selected topic of French under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.

GEOGRAPHY [GEOG]

201 PHYSICAL GEOGRAPHY
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Studies human interaction with the basic elements of the physical environment. Includes climate, vegetation, soils, landforms, and their patterns of distribution.
Transfer: CSU; UC.

202 CULTURAL GEOGRAPHY
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Studies human interaction with the basic elements of the cultural environment. Includes language, religion, economy, and other cultural phenomena and their patterns of distribution.
Transfer: CSU; UC.

GEOLOGY [GEOL]

193 GEOLOGY SPECIAL TOPIC
4.0 to 0.5 hours per week
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

193C GEOLOGIC FIELD TECHNIQUES
2.72 hours per week: (0.5 hours lecture, 2.22 hours laboratory)
Associate Degree Applicable
Investigate methods of field geologic mapping and data acquisition.

210 PHYSICAL GEOLOGY
6.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 123 or MATH 123SI
Advisory: ENGL 156 or ENGL 165.
Introduces the concepts and principles upon which geologic knowledge is based including the composition, structure, and description of the earth's external and internal processes and features.
Transfer: CSU; UC.

211 HISTORICAL GEOLOGY
4.0 hours per week: (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: GEOL 210 or equivalent and MATH 123 or MATH 123SI or equivalent
Advisory: Eligibility for ENGL 201A.
Presents the theory of the origin and evolution of the earth and its lifeforms; emphasizing the tectonic development of North America and its biological evolution through time.
Transfer: CSU; UC.

212 GEOLOGIC HAZARDS, MAN, AND THE ENVIRONMENT
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or ENGL 165.
Studies geologic hazards as they relate to human interaction with the environment. Emphasizes the cause of earthquakes, their recording, location, and measurement. Also covers flooding, landslides, subsidence, and volcanic hazards.
Transfer: CSU; UC.

220 GEOLOGY OF CALIFORNIA
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Introduces the principles and processes of the physical and historical geology of California.
Transfer: CSU; UC.

225 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS
3.0 hours lecture per week
Associate Degree Applicable
Introduces the concepts, techniques, and tools of a Geographic Information System (GIS), including data acquisition, management, manipulation, spatial analysis, and cartographic output. Emphasizes training in the use of technology and software in order to provide students with skills and a conceptual base on which they can build further expertise in GIS. Includes exercises using GIS as a tool for solving real-world problems across a wide spectrum of disciplines. Focuses on development of spatial reasoning skills with applications in fields such as natural hazards, environmental assessment, and resource management.
Transfer: CSU; UC.

229A GEOLOGICAL SCIENCE FIELD STUDIES
49.0 hours per week: (9.0 hours lecture, 40.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in GEOL 210, GEOL 211 or GEOL 220
Presents an on-site field study of Yosemite, the Sierra Nevada, Mono Basin, Long Valley Caldera, and Owens Valley area.
Transfer: CSU; UC.

229B GEOLOGICAL SCIENCE FIELD STUDIES
49.0 hours per week: (9.0 hours lecture, 40.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in GEOL 210, GEOL 211 or GEOL 220
Presents an on-site field study of the Transverse Ranges, central San Andreas fault, Mojave desert, and the Death Valley area.
Transfer: CSU; UC.

GERMAN [GER]

110 BEGINNING GERMAN CONVERSATION AND READING
5.0 hours lecture per week
Associate Degree Applicable
Courses

2012-2013 Catalog
Cuesta College

193 HEALTH EDUCATION SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

202 HEALTH EDUCATION (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Examines a special topic in the field of study related to the discipline offering this course.

203 WOMEN'S HEALTH ISSUES (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Examines a special topic in the field of study related to the discipline offering this course.

204 STANDARD FIRST AID AND CPR (CARDIOPULMONARY RESUSCITATION) (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Examines a special topic in the field of study related to the discipline offering this course.

206 HEALTH ASPECTS OF DRUG USE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Examines a special topic in the field of study related to the discipline offering this course.
COURSES

201 COMMUNITY HEALTH (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents environmental, biological and socio-cultural determinants of health quality in a given community. Areas of emphasis include: personal and community health behavior, epidemiology of infectious and chronic disease, methods of community health assessment and investigation, health promotion, environmental health, and the organization, implementation and regulation of community health efforts. Within these topics physiological, psychological and spiritual influences of health will be addressed including accessibility, availability and community education toward disease prevention of special populations within a given community. A variety of community-based activities will afford students the opportunity to experience and propose innovative solutions to local community health problems identified.
Transfer: CSU; UC.

HIGH SCHOOL DIPLOMA [HSD]

400 HSD NON-CREDIT BASIC SKILLS DRAWING (0.0)
20.0 hours per week: (5.0 hours lecture, 15.0 hours laboratory)
This is an elective course towards a high school diploma. The course introduces the studio arts pertaining to drawing. The course will emphasize the basic elements of art. Various drawing and techniques will be introduced tot he student such as gesture, contour and modeling. The student will have the opportunity to create works in various media. Students will also gain the ability to analyze and respond to various works, including their own. Furthermore, students will be introduced to numerous cultural and historical styles and motifs. Through critiques, students will display the ability to aesthetically value and appreciate works of art, as well as understand the relationship between art, culture and history.

401 HSD NON-CREDIT BASIC SKILLS PAINTING (0.0)
20.0 hours per week: (5.0 hours lecture, 15.0 hours laboratory)
This is an elective course towards a high school diploma. The course introduces the disciplines of painting and design. The course will emphasize the basic elements of color and design as they relate to painting. The student will create works in water color, oil, and acrylic. Students will also gain the ability to analyze and evaluate art, including their own. Students will survey the history of art in general and painting in specific, putting art in a historic and cultural context.

402 HSD NON-CREDIT BASIC SKILLS CERAMICS (0.0)
20.0 hours per week: (5.0 hours lecture, 15.0 hours laboratory)
This is an elective course towards a high school diploma. This course is a technical and aesthetic exploration of 3-dimensional design through the mediums of clay, and ceramics. This course will also include 2 dimensional basic drawing and layout skills. The student will participate in a wide range of experiences using additive or subtractive sculpture techniques, designed to build artistic and creative confidence. Functional objects as well as sculptural ideas will be explored during the year. Students will also be exposed to several methods of glazing their own work. An introduction to the potter’s wheel as a forming tool will also take place. The products created in this course may serve as functional works in water color, oil, and acrylic. Students will also gain the ability to analyze and evaluate art, including their own. Students will survey the history of art in general and painting in specific, putting art in a historic and cultural context.

403 HSD NON-CREDIT BASIC SKILLS VISUAL DESIGN (0.0)
20.0 hours per week: (5.0 hours lecture, 15.0 hours laboratory)
This is an elective course towards a high school diploma. A multi-cultural studio art class which coordinates 2-D and 3-D studio work and cultural studies together. Selected cultures of Meso-American, Italian, German, French, Middle Eastern and Asia will be introduced to produce art projects that relate to each unique culture. Language (vocabulary) and cultural studies will be taught on a daily basis so as to appreciate historical and cultural differences. The art elements and principles of design composition serve as a foundation for each unit covered. Attention will be given to visual studio work, language and culture studies. Students will gain knowledge and an appreciation for various art forms.

404 HSD NON-CREDIT BASIC SKILLS BIOLOGY (0.0)
8.0 hours per week: (5.0 hours lecture, 3.0 hours laboratory)
Designed to inculcate the student with the living world and its systems. Introduces concepts of Cell Biology, Genetics, Evolution and Physiology. Investigation and experimentation will be utilized in the biology laboratory component to promote technical lab competence, utilize the scientific processes of research and reporting, as well as teach and reinforce scientific concepts. Lab attendance and completion of biology lab reports are requirements. This is an elective course towards a high school diploma.

405 HSD NON-CREDIT BASIC SKILLS CHEMISTRY (0.0)
8.0 hours per week: (5.0 hours lecture, 3.0 hours laboratory)
Emphasizes the structure of the atom, chemical bonding, periodic properties, states of matter, stoichiometry and chemical reactions. Introduction to reaction kinetics, chemical equilibrium and nuclear chemistry as well. The laboratory work will develop students reasoning power, the ability to apply chemical principles; as well as acquaint students with chemical laboratory techniques. This is an elective course towards a high school diploma.

406 HSD NON-CREDIT BASIC SKILLS ECONOMICS (0.0)
4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory)
Introduce students to microeconomics, macroeconomics, and international economic relationships. Presents vocabulary and the technical knowledge needed for an understanding of economic issues, both in the media and at the collegiate level of study. Provides the student with information and analytical tools useful in developing a personal system of values in regard to economic issues. This is an elective course towards a high school diploma.

407 HSD NON-CREDIT BASIC SKILLS WORLD HISTORY (0.0)
8.0 hours per week: (6.0 hours lecture, 2.0 hours laboratory)
Introduces major turning points that shaped the modern world, from the late eighteenth century through the present, including the cause and course of two world wars. Tracing the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. Extrapolate from the American experience that democratic ideals are often achieved at a high price, remain vulnerable, and are not practiced everywhere in the world. Develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Consideration of multiple accounts of events in order to understand international relations from a variety of perspectives. This is an elective course towards a high school diploma.

408 HSD NON-CREDIT BASIC SKILLS U.S. HISTORY (0.0)
8.0 hours per week: (6.0 hours lecture, 2.0 hours laboratory)
Introduces the major turning points in American history in the twentieth century. Following a review of the nation’s beginnings and the impact of the Enlightenment on US democratic ideals, students build upon the tenth grade study of global industrialization to understand the emergence and impact of new technology and a corporate economy, including the social and cultural effects. Tracing change in the ethnic composition of American society; the movement toward equal rights for racial minorities and women; and the role of the United States as a major world power. Emphasis on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. Consider the major social problems of our time and trace their causes in historical events. Emphasis that the United States has served as a model for other nations and that the rights and freedoms we enjoy are not accidents, but the results of defined set of political principles that are not always basic to citizens of other countries. Develop the understanding that our rights under the U.S. Constitution are a precious inheritance that depends on an educated citizenry for their preservation and protection. This is an elective course towards a high school diploma.

409 HSD NON-CREDIT BASIC SKILLS ALGEBRA I (0.0)
8.0 hours per week: (6.0 hours lecture, 2.0 hours laboratory)
Designed to cover symbolic reasoning and calculations with symbols allowing a student to develop an understanding of the symbolic language of mathematics and the sciences. Range of problem solving situations allow for the development of algebraic skills and concepts. This is an elective course towards a high school diploma.
Courses
2012-2013 Catalog
Cuesta College

Spanish 2, students will delve deeper into the relationship between the preterit and the imperfect, the use of direct and indirect object pronouns and reflexive pronouns, will learn the present subjunctive, conditional, and present perfect tenses, and be introduced to the Spanish passive voice and the imperfect subjunctive. They will reach further into their cultural knowledge in order to be able to express and defend opinions and will further refine and develop their language skills. Students will use Spanish selectively both within and beyond the school setting. This class requires students to participate in cultural projects which stress the integration of textbook learning with real world language applications.

HISTORY [HIST]

203A HISTORY OF WORLD CIVILIZATIONS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Surveys the major world civilizations from antiquity to the early sixteenth century. Explores the people, ideas, and events that have shaped the ancient world, including the social, economic, and political institutions that have made significant contributions to the human experience.
Transfer: CSU; UC.

203B HISTORY OF WORLD CIVILIZATIONS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Surveys the major world civilizations from the early sixteenth century to the present. Explores the people, ideas, and events that have shaped the modern world, including the social, economic, and political institutions that have made significant contributions to the human experience.
Transfer: CSU; UC.

204A HISTORY OF WESTERN CIVILIZATION (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Surveys the history of Western Civilization from Mesopotamia (ca. 3000 B.C.) to the Elizabethan Age (1603 A.D.). Emphasizes historical methodology, physical environment, religious beliefs, and social, political and economic factors. Explores the diverse antecedents of Western Civilization.
Transfer: CSU; UC.

204B HISTORY OF WESTERN CIVILIZATION (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Surveys the history of Western Civilization from the Stuart dynasty in England (1603) to the present. Emphasizes historical methodology as well as the physical environment, religious beliefs, and social, political, and economic factors.
Transfer: CSU; UC.

207A HISTORY OF THE UNITED STATES (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Presents a survey of the political, economic, social and cultural developments of the United States to 1865 with emphasis on development which have conditioned and characterized the American way of life.
Transfer: CSU; UC.

207B HISTORY OF THE UNITED STATES (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Surveys the political, social and cultural development of the United States from 1865 to the present. Emphasizes those developments which have conditioned and characterized the American way of life.
Transfer: CSU; UC.
Advisory: ENGL 156.
Introduces the concepts and issues that have shaped the history of California. Emphasizes the physical environment, the indigenous Indian culture, the Hispanic culture, and the American culture. Analyzes political, social, and economic factors.
Transfer: CSU; UC.

212 HISTORY OF THE MEXICAN-AMERICAN (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Surveys the major social and cultural events of people of Mexican descent north of Mexico. Presents their history in relation to the broad background of Hispanic-Mexican history. Emphasizes the history of the Southwest United States since 1848.
Transfer: CSU; UC.

233 HISTORY OF THE AFRO-AMERICAN (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Surveys the political, economic and social history of the Afro-Americans from the early 17th century to the present with emphasis on the contributions of Afro-Americans to American culture.
Transfer: CSU; UC.

237 HISTORY OF AMERICAN WOMEN (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or equivalent.
Surveys the social, political, economic, and cultural history of women in America from pre-European Native American societies through the late twentieth century, with particular emphasis on the marginalization of women and their struggles for justice, power, and equality in America.
Transfer: CSU; UC.

239 HISTORY OF THE ROLE OF WOMEN (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Surveys woman's place historically and sociologically in specific cultures throughout the ages. Assesses how womankind is perceived in her role, status, limitations, and opportunities in various historic and periods and analyzes the dynamics of change in role from one person to another.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: HISTORY (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field for which the study is undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of history under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.

147 INDEPENDENT STUDIES: HOSPITALITY (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Hospitality under the direction of an instructor.
Repeatable 3 times.

193 HOSPITALITY SPECIAL TOPICS (4.0 to 0.5)
Associate Degree Non-Applicable
Examines a special topic in the field of study related to the discipline offering this course.

201 INTRODUCTION TO HOSPITALITY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Explores the worlds of lodging, foodservice, meeting planning, travel and tourism, gaming, sports management, revenue management principles and related businesses within the hospitality industry.
Transfer: CSU.

205 MANAGING FRONT OFFICE OPERATIONS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Provides knowledge and skills to supervise a hotel front office including reservations, registration, check-out, settlement, security, accounting, and audits through study and practical application.

210 HOSPITALITY MARKETING AND SALES (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces the student to effective sales and customer service techniques in such areas as service encounters, guest behavior, data, pricing strategies, selling and entrepreneurship.
Transfer: CSU.

215 HOUSEKEEPING OPERATIONS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Provides students with the competencies necessary to successfully supervise housekeeping operations of a hotel. Presents the responsibilities of the Housekeeping Department in relation to other hotel departments and the skills necessary to supervise housekeeping and laundry staff.
Transfer: CSU.

220 SUPERVISION IN THE HOSPITALITY INDUSTRY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Replace this with the Catalog Description for HOSP 220.
Transfer: CSU.

225 HOSPITALITY LAW (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents a wide range of laws regulating hotel responsibilities to guests, guest rights, hotel facility regulations, and employee rights.
Transfer: CSU.

230 FOOD AND BEVERAGE OPERATIONS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Provides the skills necessary to successfully supervise a hotel Food and Beverage Department. Includes department responsibilities and staff supervision issues in addition to the knowledge and practices of a variety of food and beverage operations including menu development, food and beverage services, scheduling and costs control.
Transfer: CSU.

235 SECURITY AND LOSS PREVENTION (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces hospitality security systems and strategies to address hospitality security concerns and emergency situations, through study and practical application.
Transfer: CSU.

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<th>Course Code</th>
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<th>Units</th>
<th>Hours per Week</th>
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<tbody>
<tr>
<td>240</td>
<td>HOSPITALITY TRAINING AND DEVELOPMENT</td>
<td>(3.0)</td>
<td>3.0 hours lecture per week</td>
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<td>Associate Degree Applicable</td>
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<td>Advisory: Eligibility for ENGL 156 and employment in the industry</td>
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<tr>
<td>Prepares students to assess training and development needs, mentor and train staff and evaluate training initiatives through study and practical application in a hospitality setting.</td>
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<td>Transfer: CSU.</td>
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245 HOSPITALITY INTERNSHIP (3.0)
8.0 hours per week: (0.5 hours lecture, 7.5 hours laboratory)
Associate Degree Applicable
Consists of 135 - 270 hours of work in lodging employment. Supervised employment of students with the intent of creating student awareness of hospitality management employment opportunities. Students perform assigned responsibilities as an employee, follow employer’s policies and write individual learning objectives.
Transfer: CSU.

INTERIOR DESIGN [ID]

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours per Week</th>
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<tbody>
<tr>
<td>193</td>
<td>INTERIOR DESIGN SPECIAL TOPIC</td>
<td>(4.0 to 0.5)</td>
<td>6.0 hours laboratory per week</td>
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<td>Associate Degree Applicable</td>
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<tr>
<td>Examines a special topic in the field of study related to the discipline offering this course.</td>
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247 INDEPENDENT STUDIES: INTERIOR DESIGN (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite:
The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of interior design under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.

270 INTRODUCTION TO INTERIOR DESIGN (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Recognize the skills and explain the profession of Interior Design including career options. Introduce industry standards pertaining to design principles, social responsibility, and presentation techniques.
Transfer: CSU.

272 ARCHITECTURAL DRAFTING AND STRUCTURE FOR INTERIOR DESIGN (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Presents the tools and techniques required for architectural drafting standards and lettering, while introducing the understanding of foundations, structure, and non-structural systems.
Transfer: CSU.

274 INTERIOR DESIGN STUDIO 1 (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ID 272
Advisory: ENGL 156.
Demonstrate the elements and principles of design, concepts, and skills pertaining to two and three dimensional design including freehand and constructed representation of visual communication of ideas, objects and environments. Develop applications of color and concepts pertaining to color theory.
Transfer: CSU.

276 PRINCIPLES OF GREEN DESIGN (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ID 270, ID 272.
Examine the history, philosophical, and practical principles of Green Design. Environmental issues, sustainable materials and methods, and application in professional practice are explored. The course provides a foundation for evaluation of materials, processes, and applications of design components related to the principles of sustainability and environmentally responsible design.
Transfer: CSU.

278 INTERIOR DESIGN STUDIO 2 (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ID 274
Demonstrate foundational and evidence-based design skills for individual spaces within the commercial and residential built environment to include universal theory, sustainability standards, and building codes. An emphasis is placed on lighting theory, application of luminaries, and lighting design.
Transfer: CSU.

280 MATERIALS AND METHODS OF INTERIOR DESIGN (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Explain and examine textiles, materials, finishes, furniture, and equipment pertaining to residential and commercial interior design including performance, liability, construction, installation, and maintenance. Identify and examine textiles in regard to fiber, construction, finishes, testing, and codes used for Interior Design. Formulate the application and selection of appropriate fabrics applied to various forms and structures based on their properties, performance criteria, and environmental attributes.
Transfer: CSU.

282 HISTORY OF INTERIOR DESIGN (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Examine the History of Interior Design in regard to furnishings, interiors and architecture from Ancient Mesopotamian to the present. Evaluate the influence of each period and research skills for developing historical designs for today’s clients and projects.
Transfer: CSU.

284 INTERIOR DESIGN 3 (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ID 278
Develop and analyze the principles relating to residential design. Demonstrate the design process; establish goals, collect and analyze facts, test concepts, determine needs, and state the problem. Examine all elements of environmental design, human factors, universal design, building controls, and codes pertaining to the residential environment. Assemble concept statements, drawings, studies of theories, and specifications in presentation form to be used as part of the students portfolio.
Transfer: CSU.

286 CAD FOR INTERIOR DESIGN (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: CIS 210
Advisory: ID 272.
Demonstrate computer aided drafting, modeling, and rendering using industry standard software. Create 2 dimensional and 3 dimensional for construction documentation as well as conceptual presentation graphics. Develop and design a presentation for a design project that will become part of a portfolio.
Transfer: CSU.
288  PROFESSIONAL PRACTICE  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Illustrate the business practices found in the field of residential and commercial interior design from types of firms, contracts, and ordering, to business etiquette.
Transfer: CSU.

290  INTERIOR DESIGN STUDIO 4  (4.0)
4.0 hours lecture per week
Associate Degree Applicable
Prerequisite: ID 284
Presents applications of the principles of sustainable and healthy interiors to the commercial environment. Emphasis is placed on the design process; space planning and analysis; and the identification and solution of design problems. Also included will be the study of traffic flow patterns, human factors, lighting, indoor air quality, and codes and regulations, with the emphasis on the U.S. Green Building Council's leadership in Energy and Environmental Design (LEED) program.
Transfer: CSU.

JOURNALISM [JOUR]

193  JOURNALISM SPECIAL TOPIC  (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

201A  NEWS WRITING AND REPORTING  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces techniques of news reporting and writing. Provides intensive practice in gathering and evaluating information and writing basic news stories. Considers ethical and legal aspects of publications. Concentrates on the lead and simple story types, organization and structure of news stories, and the language and style of journalism.
Transfer: CSU.

201B  INTRODUCTION TO MASS COMMUNICATION  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Presents a survey of the field of journalism, media, and opportunities, including an introduction to journalism literature, news analysis, comparison of journalistic styles, and an introduction to the writing and structure of news stories.
Transfer: CSU; UC.

201C  JOURNALISM FIELD STUDIES  (1.0 to 0.5)
18.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of journalism under the direction of an instructor.
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Repeatable 3 times.
Transfer: CSU.

202A  INTRODUCTION TO NEWS PRODUCTION  (4.0)
8.0 hours per week: (2.0 hours lecture, 6.0 hours laboratory)
Associate Degree Applicable
Advisory: ENGL 156.
Introduces hands-on preparatory news production using state-of-the-art technology to produce "The Cuestonian," the student newspaper. Presents all aspects of the newspaper business including reporting, writing, photography, word processing, typesetting, editing, graphic design, composition, layout, desktop publishing, and distribution.
Transfer: CSU.

KINESIOLOGY THEORY [KINE]

201  INTRODUCTION TO KINESIOLOGY  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Presents the discipline of kinesiology including the history, current programs and future trends in the profession and the career options associated with it.
Transfer: CSU.

213  INTRODUCTION TO PREVENTION AND CARE OF ATHLETIC INJURIES  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Provides the student with basic exposure to the care and prevention of activity injuries. Includes general principles in sports medicine and athletic training. Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

214  FOUNDATIONS FOR FITNESS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents the physiological principles and other factors that provide the foundations for the development and maintenance of optimal physical fitness. Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

215  THEORY OF BASEBALL (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents all the fundamental phases of defensive and offensive baseball. Lectures, chalkboard discussion, demonstrations, and video studies are included in the course. Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

216  THEORY OF TRACK AND FIELD AND CROSS COUNTRY (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces the basic description and knowledge of all track and field and cross country events. Provides advanced understanding of rules, regulations, and organization of track and field and cross country including community events. Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

218  FUNDAMENTALS OF GROUP EXERCISE LEADERSHIP (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: PETH 201 and ENGL 156.
Presents the fundamentals of exercise programming and group class leadership. Students will demonstrate skills in assessment and monitoring of group fitness participants, learning methods of teaching group exercise classes, including general and special populations, as well as how to apply principles of adherence and motivation to group exercisers. Class will prepare students to take the ACE Group Fitness Instructor exam. Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

220  WELLNESS: PERSONALIZED FITNESS AND NUTRITION FOR LIFE (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Presents and applies the scientific principles of fitness and nutrition for a well lifestyle. Upon completion of the course, the student will be able to continue applying and implementing the fitness principles, wellness parameters, and nutritional guidelines into their personal lifestyles. Repeatable 3 times. Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses).

224  PERSONAL TRAINING CERTIFICATION (3.0)
5.0 hours per week: (3.0 hours lecture, 2.0 hours laboratory)
Associate Degree Applicable
Advisory: BIO 212.
Presents the principles of fitness training and its application to personal training for the health and fitness professional. Upon completion of this course, the student will be prepared to take the NASM personal trainer certification test. Repeatable 1 time. Transfer: CSU.

LEADERSHIP [LDER]

193  LEADERSHIP SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

247  INDEPENDENT STUDIES: LEADERSHIP (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or skill development experience by an individual student in a selected topic of leadership under the direction of an instructor. Repeatable 3 times.
Transfer: CSU.

250  PEER EDUCATOR - ORIENTATION LEADER (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: LDER 53.
This course is designed for students who are interested in or who have been invited to be an orientation leader. Students will become knowledgeable in campus policies, procedures, and services. Leadership theory, diversity awareness and appreciation are also explored, as well as the psychological and personal issues facing college students. Students will have the opportunity to lead group discussions, make presentations, and be trained to be SLO Days counselors, as well as peer educators on campus. Repeatable 3 times.
Transfer: CSU.

253  PEER COUNSELING (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Completion of or concurrent enrollment in ENGL 156 or ENGL 165.
Peer Counseling is a practicum experience that helps to address positive mental health concepts. It prepares students to assist other students with issues and problems facing many college students, including self-acceptance, problem solving/decision making, and interpersonal relationships. Transfer: CSU.

255  COMMUNITY INTERNSHIP (3.0 to 1.0)
8.0 hours per week: (0.5 hours lecture, 7.5 hours laboratory)
Associate Degree Applicable
Advisory: LDER 253.
Provides students the opportunity to explore life goals. Training helps guide students to complete learning objectives. Internship experience provides a structured, on-the-job opportunity in a human services setting, elementary school, and/or college. Students also participate in a training program at their on-site placement. Repeatable 3 times.
Transfer: CSU.

256  CAMPUS PEER EDUCATOR (1.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LDER 253
This course is designed for students who are interested in or who have been invited to be a campus peer educator. Peer education is a leadership program which takes the knowledge gained from LDER 253 and applies it in a way to promote healthy behaviors and wellness among all members of the Cuesta College community.
Transfer: CSU.

257  CAMPUS PEER INTERNSHIP (2.0)
5.0 hours per week: (0.5 hours lecture, 4.5 hours laboratory)
Associate Degree Applicable
Advisory: LDER 253.
This course provides structured, on-the-job experience on campus with the opportunity to serve as a peer counselor in a student services setting. The required seminar is scheduled during the 1st, 4th, 8th, 12th, and last week of the semester. Repeatable 3 times.
Transfer: CSU.
260 COMMUNITY PARTNERSHIP THROUGH APPLIED VOLUNTARISM (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: Completion of or concurrent enrollment in SOC 201A or FMST 210.
Integrates public service experience through community volunteer work with instruction on voluntarism. Presents historical perspective of volunteer work for improving human conditions. Develops interpersonal skills, awareness of civic responsibility, and sensitivity to economic conditions.
Transfer: CSU.

261A PHILOSOPHY OF LEADERSHIP (1.5)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in ENGL 156 or ENGL 165
Studies group and individual leadership techniques. Identifies, classifies, and analyzes the components essential to the development of leadership. Includes definitions, traits and behaviors of leadership, personal considerations in leadership, listening skills, personal values, and problem solving. Recommended for all first-time elected or appointed officers in the Student Senate; and recommended for officers of other organizations with a voting position on the Student Senate.
Transfer: CSU.

261B LEADERSHIP: SUCCESS STRATEGIES SEMINAR (1.5)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in ENGL 156 or ENGL 165
This course is designed to help students create greater success in college and in life. In so doing, discover those inner qualities necessary to become an effective leader. Such qualities touched on include personal responsibility; motivating purpose; taking effective action; building mutually supportive relationships; gaining heightened self awareness; developing emotional maturity; and believing in yourself.
Transfer: CSU.

262 STUDENT LEADERSHIP (3.0 to 1.0)
9.0 hours laboratory per week
Associate Degree Applicable
Advisory: Completion of or concurrent enrollment in LDER 261A or LDER 261B for first-time elected or appointed officers in the Student Senate.
Provides membership experience in the Student Senate with additional leadership experiences in the planning and implementation of student activities and services. Allows students to initiate on-campus and off-campus community projects and programs. Repeatable 3 times.
Transfer: CSU.

263 EXPLORING LEADERSHIP-MAKING A DIFFERENCE (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Evaluates how purpose in life influences goals and leadership in a rapidly changing world. Analyzes responsibilities and commitments in the context of leadership for the common good and for purposeful change. Examines leadership potential. Explores how leaders and participants mutually shape the environment of an organization and/or community.
Transfer: CSU.

LEGAL [LGL]

193 LEGAL SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examine a special topic in the field of study related to the discipline offering this course.

206 BUSINESS ORGANIZATIONS (3.0)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces the student to the substantive law and procedural aspects of business organizations, including sole proprietorships, partnerships, limited liability companies, and corporations. Includes a study of the relative advantages and disadvantages of the different business organizations as related to formation, management, liability, dissolution, regulation, and taxation. Also includes an overview of such related areas as agency law, employment law, and business ethics.
Transfer: CSU.

207 FAMILY LAW (3.0)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or equiv.
Introduces the fundamental principles of California Family Law along with the terminology, procedures, and legal document and form preparation involved in family law matters. Topics include an overview of California law regarding marriage versus domestic partnerships, principles of community property law, marital and cohabitation agreements, legal separations, marital and domestic partnership dissolutions, annulments, spousal and domestic partner support, child custody and support, paternity, adoption, and domestic violence.
Transfer: CSU.

208 ESTATE PLANNING AND ADMINISTRATION (3.0)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Advisory: Eligibility for ENGL 156 or equiv.
Introduces the fundamental principles of estate planning and administration. Also introduces the terminology, procedures, and legal document and form preparation involved in estate planning and administration matters.
Transfer: CSU.

217 INTRODUCTION TO LAW (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Introduces the student to the study of law and the interrelationship between law and society as a whole. Addresses the fundamental but seemingly contradictory functions the law serves as an instrument of both social control and social change. Also examines the critical role the law plays in conflict resolution, especially with regard to conflicts between majority and minority interests in society. Explores the evolution and social impact of different legal systems, competing sources of the law, and conflicting theories of the law. Integrates an examination of selected procedural and substantive areas of the law with a critical analysis of these areas as sources of social control, social change, and conflict mediation among various social groups.
Transfer: CSU; UC.

220 LEGAL RESEARCH AND WRITING (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
An introduction to the fundamental aspects of legal research by an in-depth analysis of case law, statutory law, and administrative law on both a federal and state level. Students will learn to locate authority relevant to selected legal issues. This skill is applied to writing clear and concise briefs, memoranda, and points and authorities employing the IRAC (issue, rule, analysis, conclusion) legal analytical formula.
Transfer: CSU.

222 TORT AND INSURANCE LAW (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
An introduction to the causes of action, defenses, and remedies in the major categories of tort law. Topics include various intentional torts, negligence, strict liability, insurance law, and workers' compensation.
Transfer: CSU.
247 INDEPENDENT STUDIES: LEGAL (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected legal topic under the direction of an instructor. Repeatable 3 times. Transfer: CSU.

LIBRARY/INFO TECHNOLOGY [LIBT]

101 INTRODUCTION TO LIBRARY SERVICES (1.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in DIST 101
Advisory: ENGL 156 with a grade of C or better.
Surveys the history, organization, services, personnel and functions of libraries and information centers. Provides beginning library/information technology students with an introduction and overview to the field and identifies job opportunities.

102 INTRODUCTION TO WEB TECHNOLOGIES AND CONCEPTS (1.0)
1.0 hours lecture per week
Associate Degree Applicable
This class introduces students to the wide range of concepts and technologies involved in web publishing, and management as well as employment opportunities. Topics will include the discussion and demonstration of multimedia and web technologies, web development languages, Internet publishing ethics, network fundamentals, marketing, management, and industry employment outlook.

104 ORGANIZING INFORMATION (3.0)
4.0 hours per week: (2.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LIBT 101
Advisory: Eligibility for ENGL 156.
A practical introduction to the tasks involved with cataloging book and non-book library materials. Includes descriptive cataloging using AACR2, subject cataloging, and classification. Covers MARC formats as well as their use in the OCLC bibliographic utility and local automated library systems.

105 LIBRARY/INFORMATION CENTER COLLECTIONS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LIBT 101
Provides an overview of how to select, purchase, and organize print, electronic, and other materials to stock library/information center collections.

106 INTRODUCTION TO THE INTERNET (1.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Designed to prepare students to use the Internet for personal and academic needs. This course is an introduction to various features and components of the Internet. Emphasis is also placed on the location and evaluation of Internet resources.

108 LIBRARY SUPERVISORY SKILLS (1.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LIBT 101
Introduces supervisory skills within the context of a library department or branch. Covers how to train, motivate, counsel and evaluate employees, time management, delegation of work, preparation of memos and statistical reports.

109 LIBRARY PUBLIC SERVICES (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LIBT 101
Introduces supervisory skills within the context of a library department or branch. Covers how to train, motivate, counsel and evaluate employees, time management, delegation of work, preparation of memos and statistical reports.

Pruerquisite: Completion of or concurrent enrollment in LIBT 101
Surveys all major library services provided to the public. Focuses on the philosophy, policies and procedures associated with reference/information and circulation services. Major emphasis is placed on skill building in defining and executing search strategies that answer information questions from the public.

110 SCHOOL LIBRARY/MEDIA CENTER SERVICES (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in LIBT 101
Explores the role of the school library media program in the educational community. Introduces students to the basic skills and competencies necessary to provide effective school library media programs for grades K-12.

113 ADVANCED INTERNET SEARCHING (1.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of LIBT 106 with a grade of C or better.
Moves beyond general Web searching and focuses on advanced search and strategies for searching library catalogs, research databases and Web resources. Students will learn how to select appropriate databases, formulate search queries, and retrieve information from these resources. Repeatable 2 times.

114 INFORMATION TECHNOLOGY INTERNSHIP (2.0)
5.0 hours per week: (0.5 hours lecture, 4.5 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of with a grade of C or better or concurrent enrollment in LIBT 106, LIBT 108, LIBT 115, or LIBT 117 or ten Web Development Technologies units from ART 220, BUS 243, BUS 248, LIBT 102, LIBT 106, LIBT 207, LIBT 111, LIBT 116 or LIBT 117 and Consent of the instructor
Provides structured on-the-job experience in an appropriate information technology environment. (e.g., information center, library, business, etc.)

115 TECHNOLOGY IN THE WORKPLACE (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of with a grade of C or better or concurrent enrollment in 10 Library/Information Technology units from LIBT 101, LIBT 104, LIBT 105, LIBT 106, LIBT 108, LIBT 110, LIBT 115, or LIBT 117 or ten Web Development Technologies units from ART 220, BUS 243, BUS 248, LIBT 102, LIBT 106, LIBT 207, LIBT 111, LIBT 116 or LIBT 117 and Consent of the instructor
Provides structured on-the-job experience in an appropriate information technology environment. (e.g., information center, library, business, etc.)

116 MULTIMEDIA APPLICATIONS FOR THE WEB (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Advisory: LIBT 207.
Focus is on the various ways of creating, editing, and presenting multimedia content for use on the web.

117 ETHICS IN THE INFORMATION AGE (1.0)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of with a grade of C or better or concurrent enrollment in 10 Library/Information Technology units from LIBT 101, LIBT 104, LIBT 105, LIBT 106, LIBT 108, LIBT 110, LIBT 115, or LIBT 117 or ten Web Development Technologies units from ART 220, BUS 243, BUS 248, LIBT 102, LIBT 106, LIBT 207, LIBT 111, LIBT 116 or LIBT 117 and Consent of the instructor
Focuses on ethical and legal issues of information access and publishing as applicable to the Internet. Include a basic knowledge of copyright laws, security and privacy issues, Internet advertising, and the appropriate use of the Internet as an information delivery system.

118 CONNECTING ADOLESCENTS WITH LITERATURE AND LIBRARIES (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Explores the literature and electronic resources essential for library technicians to work effectively with adolescents in the information age. Issues of materials selection, evaluation and youth programming will be related to teenage trends, popular culture, multiculturalism and other contemporary subjects of importance to adolescents.
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>Fundamentals of Cascading Style Sheets</td>
<td>1.0</td>
<td>Introduces the fundamentals of CSS for the Web Page Developer. The essential elements such as selectors, positioning, floating, and vertical alignment, tables, and other topics will be explored.</td>
</tr>
<tr>
<td>120A</td>
<td>Fundamentals of Cascading Style Sheets</td>
<td>1.0</td>
<td>Introduces the fundamentals of CSS for the Web Page Developer. The essential elements such as selectors, positioning, floating, and vertical alignment, tables, and other topics will be explored.</td>
</tr>
<tr>
<td>101</td>
<td>Fundamentals Theory and Basics of Nursing</td>
<td>5.0</td>
<td>This is the first in a series of theory courses, which prepares students to practice vocational nursing. The Caring Framework is used for the study of nursing fundamentals, nursing process, and standard nursing and medical care for a variety of common disease states. The course compares and contrasts nursing care systems employed in health maintenance, acute illness, chronic illness and rehabilitation. Adapting standard nursing care to meet the needs of the elderly is also a focus.</td>
</tr>
<tr>
<td>101A</td>
<td>Fundamental Skills Theory</td>
<td>5.0</td>
<td>Applies theory and demonstration of basic nursing skills based on scientific principles. Planning and implementing basic patient care are demonstrated in a simulated clinical setting. Identify relationships between patient care and nursing skills, relevant to steps in the nursing process: assessment, planning, implementing, evaluation and documentation. Methods that foster safe medication administration are introduced to develop a baseline for safe practice. Repeatable 1 time.</td>
</tr>
<tr>
<td>101AL</td>
<td>Fundamental Skills Lab</td>
<td>1.5</td>
<td>Provides opportunity for supervised practice of basic nursing skills in a simulated clinical setting. During their practice, students apply relationships between theory concepts and nursing skills relevant to steps in the nursing process: assessment, planning, implementing, evaluations and documentation. Emphasis is placed on practicing a consistent method of medication administration. Students demonstrate competent skill performance in a simulated clinical setting. Repeatable 1 time.</td>
</tr>
<tr>
<td>101B</td>
<td>Fundamental Clinical</td>
<td>2.5</td>
<td>Prepares the licensed vocational nurse to care for patients and integration of pharmacology concepts across the lifespan. The main foci are (1) Basic concepts of maternal and child health nursing with an emphasis on wellness (2) Normal perinatal period for mother (3) Infant and family as a system. (4) Deviations from norms are presented in all aspects of the perinatal period for mother and infant with common interventions and medical/nursing regimens. (5) Integration of pediatric conditions related to each of the body systems. Concepts related to normal growth and development are integrated into the content. (6) Adult patients with increasingly complex problems (7) Pathological processes of selected disease states are explored with an emphasis on care of the perioperative patient. Repeatable 1 time.</td>
</tr>
<tr>
<td>102</td>
<td>Maternal Child and Intermediate Vocational Nursing Theory</td>
<td>6.0</td>
<td>Prepares the licensed vocational nurse to care for patients and integration of pharmacology concepts across the lifespan. The main foci are (1) Basic concepts of maternal and child health nursing with an emphasis on wellness (2) Normal perinatal period for mother (3) Infant and family as a system. (4) Deviations from norms are presented in all aspects of the perinatal period for mother and infant with common interventions and medical/nursing regimens. (5) Integration of pediatric conditions related to each of the body systems. Concepts related to normal growth and development are integrated into the content. (6) Adult patients with increasingly complex problems (7) Pathological processes of selected disease states are explored with an emphasis on care of the perioperative patient. Repeatable 1 time.</td>
</tr>
<tr>
<td>102A</td>
<td>Intermediate and Medication Skills</td>
<td>5.0</td>
<td>Applies nursing concepts through theory and demonstration of intermediate skills and medication administration based on scientific principles. Concepts from theory include lifespan of adult patients with acute problem, maternal-child, infant and pediatric assessment and skills. Planning and implementing patient care is relevant to steps in the nursing process: assessment, planning, implementing, evaluation and documentation. Repeatable 1 time.</td>
</tr>
<tr>
<td>102AL</td>
<td>Intermediate and Medication Skills Lab</td>
<td>1.5</td>
<td>Provides opportunities for supervised practice of intermediate skills and medication administration for various types of patients across the lifespan continuum: acute care adult, maternal-child, infant and pediatric patients. Planning and...</td>
</tr>
</tbody>
</table>
implementing patient care are expressed in the simulated clinical setting relevant
to steps in the nursing process: assessment, planning, implementing, evaluation
and documentation. Students will practice and demonstrate skills in the lab
setting prior to assignment of these skills in the clinical setting.
Repeatable 1 time.

102B MATERNAL/CHILD AND INTERMEDIATE CLINICAL (5.5)
16.5 hours laboratory per week
Associate Degree Applicable
Prerequisite: LVN 101B
Corequisite: LVN 102 and LVN 102A
Maternal child and intermediate clinical course for vocational nursing. Application
of concepts and skills learned with integration of pharmacology. Care of the
normal and acute care of the obstetric, neonate, and pediatric clients. An
emphasis on normal growth and development process in relationship to disease
is emphasized. The family as a whole system of interactions for patient teaching
and the administration of culturally sensitive care is applied to diverse clinical
setting. Application of the critical elements for clinical skills performance.
Repeatable 1 time.

103 ADVANCED VOCATIONAL NURSING THEORY (6.0)
6.0 hours lecture per week
Associate Degree Applicable
Prerequisite: LVN 102B
Corequisite: LVN 103A and LVN 103B
Concepts learned in previous theory courses are integrated in the study of nurs-
ing care for severely acute and chronic illness patients in hospitals, ambulatory
care, home care, residential skilled and community health settings. Concepts
fundamental to the leadership, supervision and delegation roles are presented.
Community health and illness prevention are studied. Health promotion and
maintenance are emphasized. Health problems common in the elderly and
legal/ethical dilemmas arising in their care are explored.
Repeatable 1 time.

103A ADVANCED SKILLS FOR VOCATIONAL NURSING (5.0)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: LVN 102B
Corequisite: LVN 103 and LVN 103AL and LVN 103B
Applies nursing concepts through theory and demonstration of advanced voca-
tional nursing skills based on scientific principles. Planning and implementing
patient care are done through scenarios relevant to steps in the nursing process:
assessment, planning, implementing, evaluating and documenting, for patients
in the extended care facility, community and psychiatric setting. Emphasis is
placed on the unique needs of the frail elderly, psychiatric issues, leadership by
the family as a whole system of interactions for patient teaching and
preparation. Students will demonstrate competent skills prior to use in
clinical settings.
Repeatable 1 time.

103AL ADVANCED SKILLS LAB FOR VOCATIONAL NURSING (1.5)
4.5 hours laboratory per week
Associate Degree Applicable
Prerequisite: LVN 102B
Corequisite: LVN 103 and LVN 103A and LVN 103B
Provides opportunities for supervised practice of advanced vocational nursing
skills based on scientific principles & concepts from previously learned theory.
Planning & implementing patient care in a simulated clinical setting relevant
to steps in the nursing process: assessment, planning, implementing, evaluating
and documenting, for patients in the extended care facility, community and
psychiatric setting. Students will demonstrate competent skills prior to use in
clinical settings.
Repeatable 1 time.

103B ADVANCED VOCATIONAL NURSING CLINICAL (5.5)
16.5 hours laboratory per week
Associate Degree Applicable
Prerequisite: LVN 102B
Corequisite: LVN 103 and LVN 103A
Prepares students to make the transition from student vocational nurse to entry-

level practice. The principles learned in co-requisites and previous theory and
skills level courses are applied to care of patients in acute, home care and skilled
nursing settings with a team leadership component. Students are challenged
with more complicated and unstable patients in a variety of settings. This is a
community health focus, which includes visits. This course also includes a 108
hour preceptorship component during the last 5 weeks of the semester.
Repeatable 1 time.

193 LVN SPECIAL TOPICS (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering
this course.

MATHEMATICS [MATH]

003 ARITHMETIC (3.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Provides a review of the basic skills of arithmetic. Designed as a transitional
course for students who have either not taken a mathematics course for a con-
siderable period of time or who have been in a tutorial program. This course
is organized in a regular classroom setting to prepare students for a pre-algebra
course.

007 PREALGEBRA (3.0)
3.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Completion of MATH 003 or equivalent
Presents the mathematical concepts and arithmetic skills necessary for success in
elementary algebra and for further work in mathematics. The concepts are ap-
plied to numerous practical problems in order to demonstrate their applicability
to real life situations. Not open to students with credit in MATH 123 or its
equivalent or any course for which MATH 123 is the prerequisite.

008 INTRODUCTION TO FACTORING (1.0)
1.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: Completion of MATH 007 or equivalent
Introduces the student to methods of factoring polynomials. Presents the topic
from geometric, numeric and algebraic perspectives. Multi-sensory approaches
will include manipulatives and graphing. Students should have proficiency in
whole number arithmetic skills, including positives and negatives and knowl-
dge of procedures for solving simple linear equations.

021 TWO-SEMESTER BEGINNING ALGEBRA: PART 1 (5.0)
5.0 hours lecture per week
Associate Degree Non-Applicable
Prerequisite: MATH 007 or equivalent with a grade of C or better
Presents the first half of a two-semester course in beginning algebra for the
student who has no algebraic background. This course enables students to
complete the equivalent of Elementary Algebra, (MATH 123) at a slower
pace. Successful completion of MATH 021 or equivalent and MATH 122 is
equivalent to MATH 123.

112 CONVERTING MEASUREMENTS (1.0)
3.0 hours lecture per week
Associate Degree Applicable
Introduces the student to methods of converting from one measurement unit
to another. Emphasis will be on basic applications from nutrition, nursing,
chemistry, physical sciences and other disciplines.

114 WORD PROBLEMS (1.0)
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in MATH 123, MATH
123SI, MATH 127 or MATH 127SI
This course presents strategies for successfully solving word problems such as
distance, mixture, work and others at the elementary and intermediate algebra
level. This course is intended to help students with word problems in MATH
123 and MATH 127.
### Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours Lecture per Week</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Transfer</th>
<th>Notes</th>
</tr>
</thead>
</table>
| 122         | Two-Semester Beginning Algebra: Part 2               | 5.0   | 5.0                    |                                                                            | Associate Degree Applicable
Presents the second half of a two-semester course in beginning algebra for the student who has no algebraic background. This course enables the students to complete the equivalent of Elementary Algebra (MATH 123) at a slower pace. Successful completion of MATH 021 or equivalent and MATH 122 is equivalent to MATH 123. |
| 123         | Elementary Algebra                                   | 5.0   | 5.0                    |                                                                            | Associate Degree Applicable
Presents a first course in algebra for the student without any algebraic background. Topics include solving linear equations and inequalities, solving quadratic equations by factoring, polynomial expressions, factoring, graphing linear equations and inequalities in the variables, solving systems of two linear equations and radical expressions and equations. |
| 126A        | Intermediate Algebra-Part 1                          | 5.0   | 5.0                    |                                                                            | Associate Degree Applicable
Presents the first half of a two-semester course in intermediate algebra. This course enables students to complete Intermediate Algebra (MATH 127) at a slower pace. Topics include factoring polynomial expressions, simplifying rational expressions, absolute value equations and inequalities, functions and relations, and solving systems of linear equations and inequalities. |
| 126B        | Intermediate Algebra-Part 2                          | 5.0   | 5.0                    |                                                                            | Associate Degree Applicable
Presents the second half of a two-semester course in Intermediate Algebra. This course enables students to complete Intermediate Algebra (MATH 127) at a slower pace. Topics include functions and relations, quadratic equations, exponential and logarithmic functions, inverse functions, and sequences and series. |
| 127         | Intermediate Algebra                                 | 5.0   | 5.0                    |                                                                            | Associate Degree Applicable
Broadens and adds to the concepts of elementary algebra. Such additions include rational expressions, quadratic equations, functions, exponential and logarithmic functions, inverse of functions, solving systems of two or more linear equations, and sequences and series. |
| 193         | Math Special Topic                                   | 4.0 to 0.5 | 4.0                    |                                                                            | Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course. |
| 229         | Trigonometry                                          | 4.0   | 4.0                    |                                                                            | Associate Degree Applicable
Presents trigonometry from a function approach using both right triangle and circular relationships. The relationships between the angles and sides of triangles and relationships between central angles and the coordinates of points on a circle are developed. The course is designed to prepare the student for further study in the mathematics required in the sciences and technical areas. Transfer: CSU. |
| 230         | College Mathematics for the Humanities                | 3.0   | 3.0                    |                                                                            | Associate Degree Applicable
Presents a study of the techniques of calculus with emphasis placed on the documentation of calculus. |
| 231         | Trigonometry with Geometric Foundations               | 5.0   | 5.0                    |                                                                            | Associate Degree Applicable
Presents the entire content of MATH 229 Trigonometry with topics from MATH 125 Geometry. Topics include trigonometric functions, equations, graphs, identities, and solution of triangles. Also includes geometric congruence, properties of polygons, parallel lines, similarity, areas, and volumes. Transfer: CSU. |
| 232         | College Algebra                                      | 3.0   | 3.0                    |                                                                            | Associate Degree Applicable
Presents a study of college algebra and analytic geometry with an emphasis on mathematical modeling. Covers such topics as algebraic equations and inequalities, functions and graphs, zeros of functions rational functions, exponential and logarithmic functions, conic sections, systems of equations, matrices and determinants. Transfer: CSU; UC (For UC, maximum credit of one course between MATH 232 and 242). |
| 236         | Introduction to Applied Statistics                    | 3.0   | 3.0                    |                                                                            | Associate Degree Applicable
Presents an introduction to the study of basic descriptive and inferential statistical methods, with an emphasis on applications, to prepare students for work in the disciplines of psychology, sociology, education, life sciences, and applied science. Transfer: CSU; UC (For UC, 4 credit maximum between MATH 236 and 247). |
| 242         | Precalculus Algebra                                   | 5.0   | 5.0                    |                                                                            | Associate Degree Applicable
Presents a study of precalculus and analytic geometry. Covers such topics as algebraic equations and inequalities, functions and graphs, zeros of functions, polynomial functions, rational functions, exponential and logarithmic functions, parametric equations, conic sections, systems of equations and inequalities, matrices, determinants, sequences and series, and probability. The course is designed to prepare the student for calculus. Transfer: CSU; UC (For UC, maximum credit of one course between MATH 232 and 242). |
| 247         | Introduction to Statistics                            | 4.0   | 4.0                    |                                                                            | Associate Degree Applicable
Presents a study of basic descriptive and inferential statistics designed to prepare students for work in the fields of economics, business, psychology, education, mathematics and applied science. Not open to students with credit in MATH 239 or MATH 249. Transfer: CSU; UC (For UC, 4 credit maximum between MATH 236 and 247). |
| 255         | Calculus for Business and Management                  | 3.0   | 3.0                    |                                                                            | Associate Degree Applicable
Presents a study of the techniques of calculus with emphasis placed on the application of calculus.
application of these concepts to business and management related problems. The applications of derivatives and integrals of functions including polynomials, rational, exponential and logarithmic functions are studied. Transfer: CSU; UC (For UC, maximum credit of one course between MATH 255 and 265A).

265A ANALYTIC GEOMETRY AND CALCULUS (5.0)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 242 and MATH 229 or equivalent with a grade of C or better
Presents a study of analytic geometry, limits, continuity, the calculus of algebraic, trigonometric, exponential and logarithmic functions as well as applications of the derivative and integral. Every topic will be taught geometrically, numerically, and algebraically.
Transfer: CSU; UC (For UC, maximum credit of one course between MATH 255 and 265A).

265B ANALYTIC GEOMETRY AND CALCULUS (5.0)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 265A or equivalent with a grade of C or better
NOTE: If you are transferring from a college on the quarter system the prerequisite for MATH 265B is two quarters of Calculus. From Cal Poly it is MATH 142 with a grade of C or better.
Presents a continuing study on integration, some first and second order differential equations, Taylor and Fourier series, multiple variable functions, vectors, and their applications. Every topic will be taught geometrically, numerically, and algebraically.
Transfer: CSU; UC.

283 CALCULUS (5.0)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 265B or equivalent with a grade of C or better
Presents a study of differentiation and integration of multiple variable functions, parametric curves in two and three dimensions, optimization, line integrals, and the calculus of vector fields. Specific topics include vector functions, partial derivatives, surfaces, parametric equations, multiple integrals (with rectangular, polar, cylindrical, and spherical coordinates), and vector calculus (including line integrals, flux integrals, Greens Theorem, the Divergence Theorem, and Stokes Theorem). Every topic will be taught geometrically, numerically, and algebraically.
Transfer: CSU; UC.

287 LINEAR ANALYSIS (5.0)
5.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 265B or equivalent with a grade of C or better
Presents a study of separable and linear ordinary differential equations with selected applications; numerical and analytical solutions; second order differential equations; Laplace transforms. Delves into Linear Algebra with a study of vectors in n-space, matrices, linear transformations, eigenvalues, eigenvectors, diagonalization; applies linear algebra in the study of systems of linear differential equation.
Transfer: CSU; UC.

MEDICAL ASSISTING [MAST]

109 PHLEBOTOMY (2.5)
2.78 hours lecture per week
Associate Degree Applicable
Prerequisite: Student must be 18 years of age by the first class meeting. Proof of high school or equivalent education.
Corequisite: MAST 109L and Health Care Provider CPR
Advisory: NRAD 222
Designed to prepare the student in essential blood specimen collecting skills to fulfill CA state phlebotomy certificate requirements. Student is required to bring a valid CA driver's license or CA photo ID card to the first class meeting to show proof of age. Must be 18 years or older to be certified.
Repeatable 1 time.

109L PHLEBOTOMY LAB (1.0)
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Student must be 18 years of age by the first class meeting.
Corequisite: MAST 109
Advisory: NRAD 222
Provide students the opportunity of an externship to apply knowledge and skills to an acute and/or ambulatory care laboratory setting.
Repeatable 1 time.

110 MEDICAL ASSISTING BASICS (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Introduces the medical assisting role and responsibilities, professionalism, and medical terminology. Concepts of anatomy, physiology, and computer basics are presented to facilitate entry level medical assisting practice.

111 MEDICAL ASSISTING FAST TRACK (11.0)
11.33 hours lecture per week
Associate Degree Applicable
Prerequisite: Completion of MAST 110 with a grade of C or better or concurrent enrollment in MAST 110. Student must be 18 years of age by the first class meeting.
Corequisite: MAST 111L and Current Health Care Provider CPR and Standard First Aid
Advisory: NRAD 222
Prepares the student for entry level employment as a medical assistant and eligibility for approved state or national certification exam. Must be 18 years or older to be certified.
Repeatable 1 time.

111L MEDICAL ASSISTING FAST TRACK LAB (1.0)
3.77 hours laboratory per week
Associate Degree Applicable
Prerequisite: Student must be 18 years of age by the first class meeting
Corequisite: MAST 111 and Current Health Care Provider CPR and Standard First Aid
Provides the opportunity to apply theory during skills lab practice and externship Placement in a community front and back office site helps the student perform various skills, communications techniques and professionalism under the direction of a preceptor. This experience provides marketability for employment as a medical assistant and eligibility for approved state or national certification exam. Must be 18 years or older to be certified.
Repeatable 1 time.

193 MEDICAL ASSISTING SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

METEOROLOGY [METE]

212 INTRODUCTION TO METEOROLOGY (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 123 or equivalent
Advisory: ENGL 156
Introduces the fundamentals of meteorology, including the nature and origin of the atmosphere. Topics include atmospheric circulation, humidity, cloud formation, precipitation, storm growth, cyclone development, climates of the earth, and global climate change.
Transfer: CSU.

MUSIC [MUS]

193 MUSIC SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.
203A MUSIC THEORY  (5.0)
6.0 hours per week: (5.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Completion of MUS 239, MUS 258 or equivalent background
Presents a correlated course with two areas of music study: traditional harmonic practice studied through the principles of writing of the Common Practice era including scales, tonality, chords and four-part writing in root position; and aural skills which include solfège with movable do, sight-singing, and aural recognition and dictation of intervals and rhythm. This course is the first in a sequence of three. Required of all music majors.
Transfer: CSU; UC.

203B MUSIC THEORY  (5.0)
6.0 hours per week: (5.0 hours lecture, 1.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MUS 203A or equivalent
A continuation of MUS 203A. Written theory pursues further part-writing and study of the principles of the Common Practice era, including six-chords, six-four chords, major-minor sevenths, melodic embellishments and modulation. Aural skills are further developed through sight-singing chromatics using movable do, and melodic and harmonic dictation. This course is the second in a sequence of three. Required of all music majors.
Transfer: CSU; UC.

203C MUSIC THEORY  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MUS 203B or equivalent
A continuation of MUS 203B, with contrapuntal harmonic practices of the 18th, 19th and 20th centuries. The course explores ninth chords, diminished sevenths, half-diminished sevenths, augmented sixth chords, chord beyond the ninths, whole-tone systems and current practices through four-part writing analysis, essays and discussion. Required of all music majors.
Transfer: CSU; UC.

212 APPLIED MUSIC (PRIVATE LESSONS)  (2.0)
7.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
A workshop/recital class and a private one-hour lesson per week. The student is required to practice on campus a minimum of five hours per week, and to enroll and participate in a large performing music ensemble. Applied lessons are available in voice, piano, strings, guitar, woodwinds, brass, and percussion.
Repeatable 3 times.
Transfer: CSU.

220 ELEMENTARY VOICE  (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Presents a study of the techniques of voice training for solo singing. Music will range through appropriate song repertoire and selections from musicals. Class performance required.
Transfer: CSU; UC.

222 INTERMEDIATE VOICE  (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MUS 220 or equivalent or audition and/or consent of instructor
Provides an opportunity for students to continue with advanced study of singing and preparation of song repertoire on an individual basis. Public performance required.
Repeatable 3 times.
Transfer: CSU; UC.

223 VOCAL JAZZ ENSEMBLE  (3.0 to 2.0)
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Advisory: Eligibility for ENGL 156.
Presents the study and performance of literature in the vocal jazz and popular music genre with emphasis upon vocal improvisation in the jazz and scat style. Student compositions and arrangements will be encouraged. Attendance at scheduled performances is required.
Repeatable 3 times.
Transfer: CSU; UC.

224 VOCAL JAZZ WORKSHOP  (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Practice and study vocal jazz literature and techniques. Introduce vocal jazz improvisation and vocal jazz harmonies.
Repeatable 3 times.
Transfer: CSU; UC.

225 WIND ORCHESTRA  (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Study and public performance of music written specifically for large wind orchestras (woodwinds, brass, and percussion). Limited to those students who have had experience with wind and percussion instruments.
Repeatable 3 times.
Transfer: CSU; UC.

227 INSTRUMENTAL SMALL ENSEMBLE  (3.0 to 1.0)
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Ability to play a musical instrument and audition and/or consent of instructor
Presents the study and performance of literature for limited, carefully balanced ensembles with emphasis on developing repertoire for required public performances.
Repeatable 3 times.
Transfer: CSU; UC.

228 MIXED CHORUS  (3.0 to 1.0)
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Advisory: Knowledge of music notation.
Presents the study and performance of appropriate choral literature selected from the wide variety of historic eras and musical styles from the 16th Century to the present. Public performance required.
Repeatable 3 times.
Transfer: CSU; UC.

229 CHAMBER SINGERS  (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Advisory: Previous choral experience.
A small group ensemble specializing in madrigals and vocal chamber music of all cultures and time periods. Frequent performances on and off campus will be a large part of the class.
Repeatable 3 times.
Transfer: CSU; UC.

231 JAZZ ENSEMBLE  (3.0 to 1.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Ability to play an instrument and to read music at sight and audition and/or consent of instructor
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>239</td>
<td>FUNDAMENTALS OF MUSIC</td>
<td>(3.0)</td>
<td>3.0 hours lecture per week. &lt;br&gt;Associate Degree Applicable &lt;br&gt;Advisory: No previous musical experience necessary. &lt;br&gt;Provides a thorough foundation in fundamentals of music for the non-major or the potential music major who does not have an adequate background. &lt;br&gt;Transfer: CSU; UC (For UC, no credit if taken after any MUS 203A, 203B, 203C, 230A, 230B, or 230C).</td>
</tr>
<tr>
<td>232A</td>
<td>CONCERT JAZZ ENSEMBLE</td>
<td>(3.0 to 1.0)</td>
<td>5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory) &lt;br&gt;Associate Degree Applicable &lt;br&gt;Prerequisite: Audition and/or consent of instructor &lt;br&gt;Advisory: Ability to play an instrument. &lt;br&gt;The concert jazz ensemble is a performance organization designed to acquaint the student with a wide variety of jazz and swing compositions, arrangers and guest soloists. This course will stress stylistic interpretation and ensemble playing. It will be limited to students with considerable experience. &lt;br&gt;Repeatable 3 times. &lt;br&gt;Transfer: CSU; UC.</td>
</tr>
<tr>
<td>233</td>
<td>JAZZ IMPROVISATION</td>
<td>(2.0)</td>
<td>3.0 hours per week: (2.0 hours lecture, 1.0 hours laboratory) &lt;br&gt;Associate Degree Applicable &lt;br&gt;Prerequisite: Ability to read music and play an instrument or sign and audition and/or consent of instructor &lt;br&gt;Advisory: Completion of MUS 239 or equivalent and concurrent enrollment in MUS 227. &lt;br&gt;Provides an opportunity for performance and analysis of jazz improvisation. Public performances may be required. &lt;br&gt;Repeatable 3 times. &lt;br&gt;Transfer: CSU; UC.</td>
</tr>
<tr>
<td>234</td>
<td>ARRANGING, SCORING, AND ORCHESTRATION</td>
<td>(2.0)</td>
<td>2.0 hours lecture per week &lt;br&gt;Associate Degree Applicable &lt;br&gt;Prerequisite: MUS 203B or equivalent and knowledge of jazz literature, styles and basic piano skills &lt;br&gt;Advisory: Concurrent enrollment in MUS 223, MUS 225, MUS 227, MUS 228, MUS 229, MUS 231, or MUS 232A. &lt;br&gt;Provides an opportunity for composing, arranging and orchestrating for jazz ensembles and orchestras. Focuses on the analysis of jazz and classical harmonic practices, relation of contemporary melodic and rhythmic concepts to instrumentation. &lt;br&gt;Repeatable 3 times. &lt;br&gt;Transfer: CSU; UC.</td>
</tr>
<tr>
<td>235</td>
<td>MUSIC APPRECIATION: CLASSICAL MUSIC</td>
<td>(3.0)</td>
<td>3.0 hours lecture per week &lt;br&gt;Associate Degree Applicable &lt;br&gt;Advisory: Eligibility for ENGL 156. &lt;br&gt;Introduces classical music in its evolution from the earliest recorded through the 20th century. Includes the study and analysis of significant works. &lt;br&gt;Transfer: CSU; UC.</td>
</tr>
<tr>
<td>237</td>
<td>MUSIC APPRECIATION: AMERICAN POPULAR MUSIC</td>
<td>(3.0)</td>
<td>3.0 hours lecture per week &lt;br&gt;Associate Degree Applicable &lt;br&gt;Advisory: Eligibility for ENGL 156. &lt;br&gt;Introduces the non-music major to the history and literature of the popular music movement in the United States. Emphasizes musical styles and personalities from the late forties to the present. &lt;br&gt;Transfer: CSU; UC.</td>
</tr>
<tr>
<td>238</td>
<td>MUSIC APPRECIATION: JAZZ HISTORY</td>
<td>(3.0)</td>
<td>3.0 hours lecture per week &lt;br&gt;Associate Degree Applicable &lt;br&gt;Advisory: Eligibility for ENGL 156. &lt;br&gt;Introduces the history and literature of jazz music in the United States. Emphasizes the styles and musical personalities involved from 1900 to the present. Designed for the non-music major. &lt;br&gt;Transfer: CSU; UC.</td>
</tr>
<tr>
<td>239</td>
<td>RECORDING ARTS I: FUNDAMENTALS OF AUDIO TECHNOLOGY</td>
<td>(3.0)</td>
<td>4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory) &lt;br&gt;Associate Degree Applicable &lt;br&gt;Prerequisite: MUS 240 &lt;br&gt;Provides the student with an in-depth introduction to audio equipment and techniques. Topics include basic studio procedures, equipment design and proper use of multitrack techniques using the Digidesign Pro Tools HD System and D-Command Console. &lt;br&gt;Transfer: CSU.</td>
</tr>
<tr>
<td>241</td>
<td>RECORDING ARTS II: STUDIO WORKSHOP</td>
<td>(3.0)</td>
<td>4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory) &lt;br&gt;Associate Degree Applicable &lt;br&gt;Prerequisite: Successful completion of Recording Arts I and II or other experience assessed by the instructor. &lt;br&gt;Provides an advanced study or new technologies, focusing on an in-depth look at recording, editing and mixing within the Digidesign HD Pro Tools environment and D-Command Console. &lt;br&gt;Transfer: CSU.</td>
</tr>
<tr>
<td>242</td>
<td>RECORDING ARTS III: ADVANCED AUDIO TECHNOLOGY</td>
<td>(3.0)</td>
<td>4.0 hours per week: (3.0 hours lecture, 1.0 hours laboratory) &lt;br&gt;Associate Degree Applicable &lt;br&gt;Prerequisite: Audition &lt;br&gt;Provides experience reading, rehearsing and public performance of music arranged for large jazz group and will stress stylistic interpretation and ensemble playing. It is limited to a carefully balanced ensemble and attendance at scheduled performances is required. &lt;br&gt;Repeatable 3 times. &lt;br&gt;Transfer: CSU; UC.</td>
</tr>
<tr>
<td>244</td>
<td>EVENING JAZZ ENSEMBLE</td>
<td>(2.0)</td>
<td>4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory) &lt;br&gt;Associate Degree Applicable &lt;br&gt;Prerequisite: Audition &lt;br&gt;Provides experience reading, rehearsing and public performance of music arranged for large jazz group and will stress stylistic interpretation and ensemble playing. It is limited to a carefully balanced ensemble and attendance at scheduled performances is required. &lt;br&gt;Repeatable 3 times. &lt;br&gt;Transfer: CSU; UC.</td>
</tr>
</tbody>
</table>
247 INDEPENDENT STUDIES: MUSIC (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Auditon and/or consent of instructor
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of music under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.

249 JAZZ ENSEMBLE: THE MUSIC OF DUKE ELLINGTON (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Provides for reading, preparing, and performing of music arranged for a Big Band style jazz ensemble with special emphasis on the music of Duke Ellington.
Repeatable 3 times.
Transfer: CSU; UC.

250 MUSICAL THEATRE WORKSHOP (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Corequisite: Completion of or concurrent enrollment in MUS 203A or MUS 239
Advisory: Previous choral or dance experience is recommended.
Develops skills for performance in Musical Theatre, including singing, acting, stage movement and choreography. Public performance may be required.
Same as DRA 250.
Repeatable 3 times.
Transfer: CSU; UC.

251 MUSICAL THEATRE PERFORMANCE (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Corequisite: Completion of or concurrent enrollment in DRA 250 or MUS 250 or audition and/or consent of instructor
Studies the techniques involved in the production of a full length musical with emphasis on acting, singing, dancing, costuming, makeup, stagecraft, and publicity. Produces one musical each semester. Public performance will be required. Same as DRA 251.
Repeatable 3 times.
Transfer: CSU; UC.

253 MASTER CHORALE (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Provides the student with the skills to analyze and interpret basic cardiac rhythms. Emphasis is on recognition of clinically significant rhythms. Treatment is not covered. Concepts include basic cardiac anatomy and physiology, electrical conduction through the heart, components of the EKG waveform, and identification of normal and abnormal cardiac rhythms.
Repeatable 3 times.
Transfer: CSU; UC.

258 ELEMENTARY GUITAR (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Introduces the student to practical keyboard facility, sight reading, harmony and performance of elementary piano repertoire. Required music majors.
Repeatable 3 times.
Transfer: CSU; UC.

259 INTERMEDIATE PIANO (2.0 to 1.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MUS 258 or equivalent or audition and/or consent of instructor
The study and performance of concert piano literature from Baroque, Classic, Romantic, and 20th Century time periods. The student will develop and improve pianistic skills and repertoire.
Repeatable 3 times.
Transfer: CSU; UC.

262 CHORAL MUSIC II: CHORAL MUSIC OF THE CLASSICAL PERIOD (2.0)
4.0 hours per week: (1.0 hour lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition and/or consent of instructor
Provides an opportunity for in-depth study or a practicum experience by an individual student in a selected topic of music under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU; UC.

265 MUS V: MASTER WORKS FROM J.S. BACH TO MOZART (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Audition for placement and/or consent of the instructor
Provides an opportunity for in-depth study or a practicum experience by an individual student in a selected topic of music under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU; UC.

266 CHORAL MUSIC I: MUSIC OF THE MASTERS (2.0)
4.0 hours per week: (1.0 hours lecture, 3.0 hours laboratory), 4.0 hours laboratory by arrangement
Associate Degree Applicable
Prerequisite: Audition for placement and consent of the instructor
Provides an opportunity for in-depth study or a practicum experience by an individual student in a selected topic of music under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU; UC.

270 ELEMENTARY GUITAR (2.0)
3.0 hours per week: (1.5 hours lecture, 1.5 hours laboratory)
Associate Degree Applicable
Introduces the techniques of playing the guitar. Topics include reading music, flat picking and finger picking, chords, and the playing of melodies. No previous musical experience is required. Students must provide their own acoustic or electric guitar.
Repeatable 3 times.
Transfer: CSU; UC.

NURSING ASSISTANT [NAST]

125 EKG MONITOR OBSERVER (1.0)
6.0 hours lecture per week
Associate Degree Applicable
Provides the student with the skills to analyze and interpret basic cardiac rhythms. Emphasis is on recognition of clinically significant rhythms. Treatment is not covered. Concepts include basic cardiac anatomy and physiology, electrical conduction through the heart, components of the EKG waveform, and identification of normal and abnormal cardiac rhythms.

145 ACUTE CARE NURSE ASSISTANT (2.0)
2.2 hours lecture per week
Associate Degree Applicable
Corequisite: NAST 145L
Advisory: ENGL 145L
Preparing the certified nurse assistant to function at a competent level in the acute care setting. Provides guidelines for acute clinical experiences. Facilitate an understanding of human beings as integrated physiological, social, and psychological organisms. Student is required to bring a valid CA driver's license or CA photo ID card to the first class meeting to show proof of age. Must be 18 years of age by the first class meeting.
Repeatable 1 time.
145L ACUTE CARE NURSE ASSISTANT LAB (1.0)
3.11 hours laboratory per week
Associate Degree Applicable
Prerequisite: Student must be 18 years of age by the first class meeting. NAST 148 Nursing Assistant, or provide proof of having completed an approved Nursing Assistant Training Program, or already be a Certified Nursing Assistant. Have a current Healthcare Provider or Professional Rescuer CPR card.
Corequisite: NAST 145
Prepares the certified nurse assistant to function at a competent level in the acute care setting. Provides guidelines for acute clinical experiences. Facilitate an understanding of human beings as integrated physiological, social, and psychological organisms. Student is required to bring a valid CA driver's license or CA photo ID card to the first class meeting to show proof of age. Must be 18 years of age by the first class meeting.
Repeatable 1 time.

148 NURSING ASSISTANT (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Corequisite: NAST 148L
Advisory: Eligibility for ENGL 156.
Presents theory necessary for basic nursing care. Upon completion of this course, students are eligible to take the Nurse Assistant Training and Assessment Program Test (NATAP). This will allow the candidate to obtain a certificate as a nurse assistant in the state of California. Repeatable 3 times.

148L NURSING ASSISTANT LAB (2.0)
6.0 hours laboratory per week
Associate Degree Applicable
Corequisite: NAST 148
Presents skills necessary for basic nursing care. Requires supervised clinical experiences in a skilled nursing facility. Upon completion of this course, students are eligible to take the Nurse Assistant Training and Assessment Program Test (NATAP). This will allow the candidate to obtain a certificate as a nurse assistant in the state of California. Repeatable 3 times.

193 NURSING ASSISTANT SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

NURSING REGISTERED ASSOCIATE DEGREE (NRAD)

004E NCLEX PREPARATION (0.5)
0.5 hours lecture per week
Associate Degree Non-Applicable
Corequisite: NRAD 204B
This course is to help prepare the RN student for the state licensing exam. Critical thinking strategies required to answer the NCLEX questions are presented. A portion of this class will be hands-on computer testing to simulate the state board testing format.

103H THIRD SEMESTER NURSING READINESS (0.5)
4.5 hours lecture per week
Associate Degree Applicable
Prerequisite: Admission to the nursing program
Corequisite: NRAD 203A
A course designed for registered nursing students entering the third semester. Nursing concepts necessary for success in the third semester are reviewed.

120 SUPPLEMENTARY NURSING SKILLS PRACTICE (3.0 to 0.5)
9.0 hours laboratory per week
Associate Degree Applicable
Corequisite: Enrollment in the nursing program
Provides the opportunity to practice nursing skills in a caring environment. Nursing skills will vary from the simple to the complex. Allows for demonstration and assessment of nursing skills and knowledge learned in nursing lecture and laboratory courses. Practice opportunities vary from highly structured to less structured simulated clinical situations. Note: 0.5 unit required in first, second, and third semester. Repeatable 3 times.

193 NURSING SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

201 FOUNDATIONS OF NURSING/CARING (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 201A
Introduces caring theory as the essence of nursing. Foundational concepts include communication, teaching/learning, nursing process, life-span. Self-care and academic success principles are introduced. Surveys historical, social, legal, economic and ethical aspects of nursing, emphasizing critical thinking, patient advocacy and caring in a multicultural society.
Transfer: CSU.

201A NURSE CARING CONCEPTS (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Admission into the registered nursing program
Corequisite: NRAD 201B
Applies the foundational caring concepts of communication, teaching, learning, nursing process, caring, energy and life span as a structure for nursing practice. Provides a foundation for health promotion in a multicultural society. Introduces independent learning modules.
Transfer: CSU.

201B NURSE CARING PRACTICUM I (5.0)
11.0 hours per week: (2.0 hours lecture, 9.0 hours laboratory)
Associate Degree Applicable
Prerequisite: Admission to the registered nursing program and Current Health Care Provider CPR card is required
Corequisite: NRAD 201D
Applies nursing concepts to the practice of nursing. Presents related nursing procedures. Provides opportunities for student practice of procedures. Provides skill practice in lab setting for the student to perform nursing care for adults and geriatric clients through structured experiences in long-term care settings and acute care hospital settings. Student will identify personal biases as they relate to the provision of culturally sensitive nursing care. Application of nursing process and cultural concepts to individual nursing care.
Transfer: CSU.

201D DECISION MAKING DATA I (2.0)
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Admission into the registered nursing program
Corequisite: NRAD 201A
Presents fundamental concepts and nursing care problems related to pharmacology, nutrition, fluid and electrolyte balance, diagnostic testing, and acute pain for the adult and geriatric client. Introduces math calculations for medication administration. Explores application of nursing process to nursing care problems. Cultural concepts pertinent to nursing care are presented.
Transfer: CSU.

202A NURSE CARING FAMILY CONCEPTS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 201B and/or admission to the nursing program
Corequisite: NRAD 202B
Continues the study of caring concepts in greater depth and complexity. Teaches nursing care of the childbearing family, children and young through middle adulthood. Introduces family considerations in establishing short-term and long-term goals for health promotion. Continues focus on the individual as-
summing responsibility for health promotion and learning. Emphasizes planning, implementation and evaluation of nursing process in a multicultural society.
Transfer: CSU.

202B NURSE CARING PRACTICUM II
20.0 hours per week: (2.0 hours lecture, 18.0 hours laboratory)
Associate Degree Applicable
Prerequisite: NRAD 201B and/or admission to the nursing program and Current Health Care Provider CPR card is required
Corequisite: NRAD 202D
Applies nurse caring concepts to the clinical practice of nursing in a wide variety of health care settings. Presents related nurse caring skills. Provides opportunity to deliver planned culturally relevant nursing care for maternity clients, infants, children, and young/middle-aged adults in moderately structured clinical practice.
Transfer: CSU.

202D DECISION MAKING DATA II
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 201B and/or admission to the nursing program
Corequisite: NRAD 202D
Builds on fundamental concepts related to pharmacology, nutrition, diagnostic testing across the life span. Emphasis is placed on the role of the nurse in client education. Cultural concepts pertinent to nursing care problems are presented.
Transfer: CSU.

203 NURSING TRANSITIONS
0.89 hours lecture per week
Associate Degree Applicable
Prerequisite: 30 Unit Option Program Admission
Corequisite: NRAD 203A
Introduces caring theory as the essence of nursing. Self care and academic success principles are introduced. Surveys legal and ethical aspects of nursing, emphasizing critical thinking, patient advocacy and caring in a multicultural society. Provides an 8-week transition course required for 30 unit option students.
Transfer: CSU.

203A NURSE CARING CONCEPTS III
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 202D and/or admission to the nursing program
Corequisite: NRAD 203B
Applies nurse caring concepts to care of child, adult, and elderly clients with goal setting, energy, and caring problems. Includes cultural diversity and ethnic considerations, men and women's health, musculoskeletal, nutrition and elimination, degenerative nervous system, liver, skin, acute oxygenation, hematology, and vascular problems. Emphasizes nursing intervention.
Transfer: CSU.

203B NURSE CARING PRACTICUM III
11.0 hours per week: (2.0 hours lecture, 9.0 hours laboratory)
Associate Degree Applicable
Prerequisite: NRAD 202D and/or admission to the nursing program and Current Health Care Provider CPR card is required
Corequisite: NRAD 203D
Applies nurse caring concepts to the clinical practice of nursing in a variety of health care settings. Presents advanced nursing skills. Provides opportunity to implement culturally relevant nursing care to clients with varied health problems in a variety of clinical settings.
Transfer: CSU.

203D NURSE CARING FOR MEDICAL-SURGICAL CLIENTS
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 202D and/or admission to the nursing program
Corequisite: NRAD 203A
Applies nursing interventions of prevention, maintenance, restoration and caring to a variety of health problems: neurologic, genito-urinary, renal, endocrine.

204 NURSE LEADERSHIP/MANAGEMENT
1.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 203D and/or admission to the nursing program
Corequisite: NRAD 204A
Continues to develop leadership and management content at the Associate Degree level as required for beginning practice. Includes the management process, assertion skills, organizational skills, decision making, and change theory. Explores work-role relationships and collegiality, including conflict resolution, reality shock and strategies to deal with burnout.
Transfer: CSU.

204A NURSE CARING CONCEPTS FOR CLIENTS PSYCHIATRICALLY AT RISK
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 203D and/or admission to the nursing program
Corequisite: NRAD 204B
Applies nurse caring concepts to planning nursing care for clients at risk from mental illness, dysfunction and crisis. Presents assessment techniques, nursing diagnoses and specific nursing interventions.
Transfer: CSU.

204B NURSE CARING FOR PEOPLE AT RISK PRACTICUM
18.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: NRAD 203D and/or admission to the nursing program and Current Health Care Provider CPR card is required
Corequisite: NRAD 204D
Applies culturally sensitive nursing care for people at risk in health care settings, which are varied and more complex. Provides client care experiences in a less structured environment and with increasing independence. Includes preceptorship experience, which covers a designated period of time and a variety of clients across the life span in a variety of settings.
Transfer: CSU.

204D NURSE CARING FOR PEOPLE AT RISK CONCEPTS
2.0 hours lecture per week
Associate Degree Applicable
Prerequisite: NRAD 203D and/or admission to the nursing program
Corequisite: NRAD 204E
Applies nurse caring concepts to clients at risk. Emphasizes the nursing process as a framework for critical thinking for moderate to complex client situations. Introduces the critical care environment and establishment of priorities for clients in crisis. Emphasis is on clients with cardiovascular problems. Coping strategies, lifestyle changes to promote health, and culturally relevant care are presented.
Transfer: CSU.

219 BEGINNING STUDENT INTERN
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: NRAD 202B
Provides the opportunity to practice selected nursing skills learned during the first year of Associate Degree Nursing course work under the supervision of a preceptor. Offers work experience in a participating agency.
Repeatable 2 times.
Transfer: CSU.

222 MEDICAL TERMINOLOGY
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
### NUTRITION [NUTR]

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Type</th>
<th>Credit Notes</th>
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<tr>
<td>193</td>
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<td>(4.0 to 0.5)</td>
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<td>210</td>
<td>NUTRITION</td>
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<td>211</td>
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<td>218</td>
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<td>222</td>
<td>FOOD CUSTOMS AND CULTURE</td>
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<td>224</td>
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<td>230</td>
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<td>210</td>
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<td>247</td>
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### ONLINE [DIST]

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<td>101</td>
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<td>4.5 hours laboratory per week</td>
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<td>131</td>
<td>CURRENT ETHICAL ISSUES FOR PARALEGALS</td>
<td>1.0</td>
<td>1.0 hours lecture per week</td>
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147  INDEPENDENT STUDIES: PARALEGAL  
6.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.  
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Paralegal under the direction of an instructor.  
Repeatable 3 times.

193  PARALEGAL SPECIAL TOPIC  
Associate Degree Applicable  
Examines a special topic in the field of study related to the discipline offering this course.

201  INTRODUCTION TO PARALEGAL STUDIES  
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)  
Associate Degree Applicable  
Advisory: ENGL 156.  
Introduces the professional responsibilities of the paralegal, including rules regarding ethical conduct and a basic overview of the legal system and research. Covers different law office management functions commonly performed by paralegals such as basic correspondence, billing and financial management, calendar and docket control management, file and record management, and library management.  
Transfer: CSU.

203  PARALEGAL INTERNSHIP  
8.0 hours per week: (0.5 hours lecture, 7.5 hours laboratory)  
Associate Degree Applicable  
Advisory: LGIS 220, PLGL 201, PLGL 205.  
Provides students an opportunity to experience the responsibilities of an employee in a legal setting related to their courses in paralegal studies.  
Transfer: CSU.

205  CIVIL PROCEDURE AND LITIGATION  
5.0 hours per week: (3.5 hours lecture, 1.5 hours laboratory)  
Associate Degree Applicable  
Advisory: ENGL 156.  
Introduces the principles and management of civil litigation in state and federal courts including pretrial, trial, and post trial practice and procedures. Covers pleadings, discovery, pretrial motions, trial preparation, trial motions, trial assistance, post trial motions, enforcement of judgments, and appeals. Procedures used in case settlement and in alternative dispute resolution such as mediation and arbitration will also be covered.  
Transfer: CSU.

206  PILATES FOR HEALTH AND FITNESS  
3.0 hours laboratory per week  
Associate Degree Applicable  
Presents a progressive exercise program using the Pilates method. Exercises encompass the strength and flexibility fitness components, while focusing on alignment, efficiency of movement, balance and coordination.  
Repeatable 3 times.  
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

209  ADVANCED TRACK & FIELD APPLICATIONS  
6.0 hours laboratory per week  
Associate Degree Applicable  
Advisory: PEAC 275.  
Designed for students of advanced skills and abilities in track and field. Fundamentals of jumping, throwing, sprinting, hurdles and distance running will be stressed. Recommended for those interested in club sport and/or intercollegiate competition.  
Repeatable 3 times.  
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

210  CARDIO KICKBOXING  
3.0 hours laboratory per week  
Associate Degree Applicable  
Presents the concepts of muscular endurance, cardio respiratory fitness, muscular strength flexibility and spirituality of boxing and kickboxing.  
Repeatable 3 times.  
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

220  ATHLETIC SKILL AND TRAINING DEVELOPMENT  
1.5 hours laboratory per week  
Associate Degree Applicable  
Provides advanced skills and strategy to prepare students for athletic competition.  
Repeatable 3 times.  
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

240  SWIMMING  
(Formerly PEACT 40)  
3.0 hours laboratory per week  
Associate Degree Applicable  
Advisory: Meet the objectives of the preceding skill level before enrolling in the advanced levels.  
Provides training for students wishing to improve swimming skills in order to increase recreational enjoyment, to improve stroke technique, and to increase endurance, strength, and stamina.  
Repeatable 3 times.  
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

242  WATER POLO  
1.0 to 0.5  
3.0 hours laboratory per week  
Associate Degree Applicable  
Provides the opportunity for swimmers to develop an interest in and knowledge of water polo. Presents the rules and fundamental skills of the game.  
Repeatable 3 times.  
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

247  INDEPENDENT STUDIES: PHYSICAL EDUCATION ACTIVITY  
6.0 hours laboratory per week  
Associate Degree Applicable  
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or skill development experience by an individual student in a selected topic of physical education under the direction of an instructor. Repeatable 3 times. Transfer: CSU.

250 FOLKSTYLE WRESTLING (1.0 to 0.5) 3.0 hours laboratory per week Associate Degree Applicable Presents the basic skill techniques involved in Folkstyle Wrestling. Emphasizes active participation in drill and scrimmage situations. Repeatable 3 times. Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

252 INTERNATIONAL WRESTLING (1.0 to 0.5) 3.0 hours laboratory per week Associate Degree Applicable Presents the basic skill techniques involved in International Wrestling: Freestyle and Greco-Roman. Designed for both the beginning and advanced wrestler. Repeatable 3 times. Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

260 CYCLING FOR CARDIO FITNESS (1.0 to 0.5) 3.0 hours laboratory per week Associate Degree Applicable Presents the concepts of cardio-respiratory fitness, muscular endurance, muscular strength and flexibility in a cycling format. Students will use a combination of cardio-respiratory training and strength work using stationary bikes to enhance overall fitness and health levels. Repeatable 3 times. Transfer: CSU.

262 YOGA (1.0 to 0.5) 3.0 hours laboratory per week Associate Degree Applicable Introduces the ancient discipline of personal development which balances the mind, body and spirit. Students will learn the history of yoga and a series of physical postures (asanas) as well as practical methods of proper breathing, relaxation, meditation, and concentration that promote health, alleviate stress, improve skeletal alignment and increase muscular strength and flexibility. Repeatable 3 times. Transfer: CSU.

264 STEP TRAINING (1.0) 3.0 hours laboratory per week Associate Degree Applicable Presents a total fitness program, including cardiovascular, muscular strength and flexibility fitness through a step training program. Repeatable 3 times. Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

266 ENDURANCE CONDITIONING (1.0 to 0.5) 3.0 hours laboratory per week Associate Degree Applicable Presents a programmed method of cardiovascular/respiratory fitness through walking, running, swimming and/or cycling. Repeatable 3 times. Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

267 ENDURANCE CONDITIONING (1.0 to 0.5) 3.0 hours laboratory per week Associate Degree Applicable Presents general and sport-specific conditioning methods for intercollegiate athletics. Course is designed to meet conditioning needs using a variety of modalities including running, swimming, cycling and resistance training. Repeatable 3 times. Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

270 BEGINNING WEIGHT TRAINING (1.0 to 0.5) 3.0 hours laboratory per week Associate Degree Applicable Presents the fundamentals of weight training and the principles involved in developing a strength and endurance conditioning program. Students will learn proper training techniques utilizing a variety of exercise modalities to achieve strength, endurance and core stability. Repeatable 3 times. Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

271 INTERMEDIATE WEIGHT TRAINING (1.0 to 0.5) 3.0 hours laboratory per week Associate Degree Applicable Prerequisite: PEAC 270 or by consent of instructor. Presents concepts and techniques of strength and endurance training for the intermediate level student. Training strategies and their underlying principles will be emphasized, with the focus on more advanced program development. Repeatable 3 times. Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

274 DISTANCE RUNNING FOR INDIVIDUAL SUCCESS (1.0 to 0.5) 3.0 hours laboratory per week Associate Degree Applicable Presents the key ingredients of successful distance running and their application to life long fitness. The class will prepare students for competitive distance running; 10k - 1/2 marathon distances. Repeatable 3 times. Transfer: CSU.

275 TRACK AND FIELD CONDITIONING (2.0) 6.0 hours laboratory per week Associate Degree Applicable Provides an introduction to strength and fitness building as well as the fundamentals and techniques of multiple track & field events in preparation for spring competition. Repeatable 3 times. Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

285 TENNIS (1.0 to 0.5) 3.0 hours laboratory per week Associate Degree Applicable Advisory: Meet the objectives of the preceding skill level before enrolling in the advanced levels. Beginning Tennis: Introduces the basic skills and strokes used in controlling play, rules, and etiquette of the game. Intermediate Tennis: Reviews basic ground strokes, improves serving technique, introduces advanced skills and starts on basic strategy patterns. Advanced Tennis: Presents individual instruction to develop player's own personal stroke pattern and refine skills in a competitive atmosphere. Repeatable 3 times. Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

288 BODY BOOTCAMP (1.0 to 0.5) 3.0 hours laboratory per week Associate Degree Applicable Presents the fundamentals and techniques of total body fitness including cardiovascular fitness, strength, agility, and flexibility training. Students will learn proper techniques and exercise progression in a predominantly outdoor environment. Repeatable 3 times. Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).
291 BASEBALL  (3.0)
9.0 hours laboratory per week
Associate Degree Applicable
Presents the skills, drills, theory and practice of advanced baseball. Presents individual and team instruction to develop player’s own personal skills in a competitive atmosphere.
Repeatable 3 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

292 BASKETBALL  (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Applicable
Emphasizes basic skills, techniques, theories, strategems, and rule interpretations used in basketball.
Repeatable 3 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

293 ADVANCED BASKETBALL APPLICATIONS  (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Applicable
Advisory: Prior participation in a high school, collegiate or club level basketball program or consent of instructor.
Presents major concepts of basketball offense and defense, taught and played in game-like situations. Designed for the advanced student-athlete with previous interscholastic, intercollegiate and club experience.
Repeatable 3 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

294 ADVANCED BASEBALL APPLICATIONS  (2.0)
6.0 hours laboratory per week
Associate Degree Applicable
Advisory: PEAC 291
Designed for students of advanced ability in baseball. Fundamentals of offense, defense and advanced strategies will be stressed. Recommended for those interested in intercollegiate competition.
Repeatable 3 times.
Transfer: CSU.

295 SOCCER  (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Applicable
Introduces techniques, tactics, skills, rules and attitudes inherent to the sport of soccer.
Repeatable 3 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

296 SOFTBALL  (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Applicable
Presents theory, practice, and strategy of fastpitch softball.
Repeatable 3 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

297 VOLLEYBALL  (1.0 to 0.5)
3.0 hours laboratory per week
Associate Degree Applicable
Presents the theory, practice, history, and fundamentals of volleyball. Includes offensive and defensive aspects of the game.
Repeatable 3 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

299 ADVANCED SWIMMING APPLICATIONS  (2.0)
6.0 hours laboratory per week
Associate Degree Applicable
Presents the theory, practice, history, and fundamentals of swimming. Includes offensive and defensive aspects of the game.
Repeatable 3 times.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in PEAD, PEAC and PEAT courses).

PHILOSOPHY [PHIL]

205 INTRODUCTION TO THE BIBLE  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Introduces the literature of the Hebrew scriptures and the Christian New Testament through their history, literary conventions, authors, and sources.
Transfer: CSU; UC.

206 INTRODUCTION TO PHILOSOPHY  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents the scope, methods, and concepts of major philosophers. Analyzes their philosophies through the reading of selections from original texts.
Transfer: CSU; UC.

208 INTRODUCTION TO LOGIC  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents a study of language and its functions, definitions, informal fallacies, inductive reasoning, and the fundamental concepts and techniques of traditional and modern logic.
Transfer: CSU; UC.

209 WORLD RELIGIONS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.
Presents the history, concepts, and cultures of the world’s major religions. Emphasizes Judaism, Christianity, Islam, Hinduism, and Buddhism. Surveys Jainism, Confucianism, Taoism, Zoroastrianism, Shintoism, and Sikhism.
Transfer: CSU; UC.

212 PHILOSOPHICAL CLASSICS IN THEORY OF REALITY AND OF KNOWLEDGE  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.
Transfer: CSU; UC.

213 PHILOSOPHICAL CLASSICS IN ETHICS AND SOCIAL PHILOSOPHY  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 201A.
Studies problems in ethics and social philosophy by critically analyzing a selection of classic texts.
Transfer: CSU; UC.

247 INDEPENDENT STUDIES: PHILOSOPHY  (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Advisory: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for in-depth study or a practicum experience by an
individual student in a selected topic of philosophy under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.

**PHYSICAL SCIENCE [PSCI]**

**201A PHYSICAL SCIENCE: PHYSICS AND CHEMISTRY (3.0)**
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 123, MATH 123SI or equivalent
Advisory: ENGL 156 or ENGL 165.
Presents a survey of the physical sciences, physics and chemistry. Not open to students who have credit for any college chemistry or physics course.
Transfer: CSU; UC (For UC, no credit if taken after a college level course in Chemistry or Physics).

**201A PHYSICAL SCIENCE LAB (1.0)**
3.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: Completion of or concurrent enrollment in PSCI 201A or equivalent
Applies laboratory principles developed in Physical Science: Physics and Chemistry.
Transfer: CSU; UC (For UC, no credit if taken after a college level course in Chemistry or Physics).

**201B PHYSICAL SCIENCE: ASTRONOMY AND GEOLOGY (3.0)**
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: MATH 123, MATH 123SI or equivalent
Advisory: ENGL 156 or ENGL 165.
Presents a survey of the physical sciences, astronomy and geology. Not open to students who have credit for any college geology or astronomy course.
Transfer: CSU; UC (For UC, no credit if taken after a college level course in Chemistry or Physics).

**PHYSICS [PHYS]**

**193 PHYSICS SPECIAL TOPIC (4.0 to 0.5)**
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

**205A GENERAL PHYSICS (4.0)**
6.0 hours per week (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 229 or MATH 1231 or equivalent
Presents the principles of statics and dynamics of particles and rigid bodies, harmonic motion, fluid mechanics, heat, thermodynamics, wave motion and sound using trigonometry.
Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

**205B GENERAL PHYSICS (4.0)**
6.0 hours per week (3.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: PHYS 205A or equivalent
Presents the principles of geometric optics, physical optics, static and dynamic electricity and magnetism, introductory D.C. and A.C. circuit theory, relativity, particles and waves, atomic structure, radioactivity and nuclear reactions using trigonometry.
Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

**208A PRINCIPLES OF PHYSICS (5.0)**
7.0 hours per week (4.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: MATH 265A or equivalent
Presents the principles of statics and dynamics of particles and rigid bodies, fluids, harmonic motion, heat and thermodynamics using calculus.
Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

**208B PRINCIPLES OF PHYSICS (5.0)**
7.0 hours per week (4.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: PHYS 208A and MATH 265B
Presents the principles of wave motion, sound, geometric and physical optics, static and dynamic electricity and magnetism, D.C. and A.C. circuit theory and electromagnetic waves using calculus.
Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

**208C MODERN PHYSICS (3.0)**
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: PHYS 208B
Presents the principles of relativity, waves and particles, Bohr theory, quantum mechanics and Schroedinger's equation, elementary atomic structure, nuclear structure and radioactivity using calculus and vector algebra.
Transfer: CSU; UC (For UC, credit for one series only between PHYS 205A-205B and PHYS 208A-208B-208C).

**218 APPLIED PROBLEMS FOR CALCULUS-BASED PHYSICS (1.0)**
1.0 hours lecture per week
Associate Degree Applicable
Corequisite: PHYS 208A or PHYS 208B.
Develops problem-solving skills that directly assist student mastery of concepts presented in PHYS 208 classes.
Repeatable 3 times.
Transfer: CSU.

**POLITICAL SCIENCE [POLS]**

**137 GOVERNMENT/POLITICS INTERNSHIP (3.0 to 1.0)**
9.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: POLS 202 and approval of instructor
Provides practical experience in the office of an elected representative, a government agency, or a non-governmental organization. Instructor will coordinate placement.

**201 INTRODUCTION TO POLITICAL SCIENCE (3.0)**
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Surveys the scope, methods and theories of political science with special emphasis on contemporary political issues and problems.
Transfer: CSU; UC.

**202 GOVERNMENT AND POLITICS OF THE UNITED STATES (3.0)**
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Presents an introduction to the institutions, operation, and policy outputs of the American political system at the national, state, and local levels. The structures and functions of American government will be explored in the context of their historical development and their relation to political power and interest today.
Transfer: CSU; UC.

**204 WORLD POLITICS (3.0)**
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Examines the nature of relations among states. Analyzes the basic forces affecting the formulation of foreign policy and the dynamics of international politics. Emphasizes contemporary problems affecting the United States of America in relation to other nations of the world.
Transfer: CSU; UC.
205  LAW AND POLITICS  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 201A.
Introduces the political and constitutional context of major legal controversies, including but not limited to civil rights, civil liberties, presidential versus congressional power, and national versus state and local power.
Transfer: CSU.

206  COMPARATIVE GOVERNMENT  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: Eligibility for ENGL 156.
Studies and compares constitutional principles, institutions, governments, and political problems of selected foreign countries and regions. Emphasizes current political philosophies, developments, institutions, and practices on a regional basis.
Transfer: CSU; UC.

209  INTRODUCTION TO POLITICAL THEORY  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: POLS 201 and Eligibility for ENGL 201A.
Surveys the diversity of ideas and concepts in political thought from the ancients to the present, from Plato to contemporary feminism.
Transfer: CSU; UC.

PSYCHIATRIC TECHNICIAN [PSYT]

110  INTRODUCTION TO PSYCHIATRIC TECHNICIAN  (6.5)
40.0 hours lecture per week
Associate Degree Applicable
Prerequisite: Admission to the Psychiatric Technician Program
Introductory psychiatric technician training program. Concepts necessary to practice safely and legally in a forensic mental institution are presented. The effect of culture and its affect on the client and care are presented.

193  PSYCHIATRIC TECHNICIAN SPECIAL TOPIC  (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

207  NURSING SCIENCE  (19.0)
31.0 hours per week: (13.5 hours lecture, 17.5 hours laboratory)
Associate Degree Applicable
Prerequisite: PSYT 110
Presents principles of Mental Health and Physical Health. Principles of Theory and Clinical Skills are applied in the care of patients in Long Term Care and Respite Day Care facilities. Students demonstrate competent skill performance in a simulated clinical setting. Principles of Nursing Process, Standard Nursing Care for a variety of common diseases and care of the elderly are also a focus.
Transfer: CSU.

208  CARE OF THE DEVELOPMENTALLY DISABLED  (17.5)
30.1 hours per week: (11.5 hours lecture, 18.6 hours laboratory)
Associate Degree Applicable
Prerequisite: PSYT 207
Transfer: CSU.

209  PSYCHIATRIC NURSING  (18.5)
31.0 hours per week: (12.5 hours lecture, 18.5 hours laboratory)
Associate Degree Applicable
Prerequisite: PSYT 207
Transfer: CSU.

PSYCHOLOGY [PSYC]

200  RESEARCH METHODS FOR THE BEHAVIORAL AND SOCIAL SCIENCES  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Prerequisite: PSYC 201 with a minimum grade of C or better or consent of instructor.
Introduces research methods used in psychology and other social sciences. Topics include the logic and ethics of research; descriptive, correlational, and experimental methodology; instrumentation; strategies for searching research literature; basic statistical reasoning and methods; and the collection, analysis, interpretation, and reporting of research data.
Transfer: CSU.

201  INTRODUCTORY PSYCHOLOGY  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: ENGL 156.
Introduces the field of psychology through a study of the facts and principles involved in learning, development, motivation, personality adjustment and the physiological and social bases of behavior. Presents basic concepts, vocabulary and methods of psychology. Emphasis is placed on those concepts which relate to an understanding of human behavior.
Transfer: CSU; UC.

202  INTRODUCTION TO BIOLOGICAL PSYCHOLOGY  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: PSYC 201.
Presents an analysis of the biological bases of behavior in terms of evolutionary, genetic, anatomical and physiological determinants. Examines heredity, development, sensory processes and the function of the nervous and endocrine systems.
Transfer: CSU; UC.

206  INTRODUCTION TO SOCIAL PSYCHOLOGY  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: PSYC 201.
Introduces the basic concepts, principles, issues and methods useful in understanding social behavior. Emphasizes social thinking and influence, attitudes, biases, group structure and conflict.
Transfer: CSU; UC.

233  PERSONALITY AND ADJUSTMENT  (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Advisory: PSYC 201.
Presents theories in the study of personality. Includes a comparison of healthy and unhealthy developmental patterns. Emphasizes self-management techniques as a means of understanding and changing behavior.
Transfer: CSU; UC.

247  INDEPENDENT STUDIES: PSYCHOLOGY  (2.0 to 0.5)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of psychology under the direction of an instructor.
Repeatable 3 times.
Transfer: CSU.
### Real Estate (RE)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>147</td>
<td>Independent Studies: Real Estate</td>
<td>2.0 to 0.5</td>
<td>Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Real Estate under the direction of an instructor. Repeatable 3 times.</td>
</tr>
<tr>
<td>160</td>
<td>Real Estate Principles</td>
<td>3.0</td>
<td>Presents basic real estate terminology and provides a general overview of the industry. Covers real estate law, finance, appraisal, construction, escrow, and career opportunities. Meets the Department of Real Estate's pre-licensing requirements.</td>
</tr>
<tr>
<td>162</td>
<td>Real Estate Practices</td>
<td>3.0</td>
<td>Studies the activities of the broker and salesperson in the real estate business. Includes the real estate office, listings, various disclosure forms, evaluation of listings, prospecting, advertising, exchanges, property management and leasing, land utilization and development, public relations, supervision of sales force, and ethics of the real estate business.</td>
</tr>
<tr>
<td>163</td>
<td>Legal Aspects of Real Estate</td>
<td>3.0</td>
<td>Introduces the legal aspects and current laws pertaining to real estate.</td>
</tr>
<tr>
<td>164</td>
<td>Real Estate Finance</td>
<td>3.0</td>
<td>Introduces principles and practices of real estate finance. Emphasizes financing and techniques employed in originating and servicing home loans.</td>
</tr>
<tr>
<td>165</td>
<td>Real Estate Appraisal</td>
<td>3.0</td>
<td>Provides an introduction to the appraisal process and the different approaches, methods, and techniques used to determine the value of property. Emphasis is on single-unit residential properties. Fulfills a portion of the California educational requirements for the broker's examination.</td>
</tr>
<tr>
<td>168</td>
<td>Real Estate Economics</td>
<td>3.0</td>
<td>Introduces the history, philosophy, principles, organization and direction of recreation and leisure services in the public, voluntary, private and commercial sectors. Emphasizes functions, areas, facilities, clientele and career opportunities available within the profession.</td>
</tr>
<tr>
<td>169</td>
<td>Real Estate Property Management</td>
<td>3.0</td>
<td>Presents a comprehensive introduction into the principles and practices of Real Property Management from the property manager's perspective. Course covers residential, special housing, retail, office, and industrial property management. Emphasis on practical application of property management principles.</td>
</tr>
<tr>
<td>193</td>
<td>Real Estate Special Topic</td>
<td>4.0 to 0.5</td>
<td>Examines a special topic in the field of study related to the discipline offering this course.</td>
</tr>
</tbody>
</table>

### Recreation Administration (REC)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>203</td>
<td>Intramural and Recreational Sport Programming</td>
<td>3.0</td>
<td>Presents philosophy, foundations, policy and techniques underlying intramurals and recreational sport programming in schools, public, private and commercial recreation settings. Analyzes program design for club, informal, league and tournament formats. Discusses appropriate means for promotion, safety and risk management and participant recognition. Detailed sport program plan created. Transfer: CSU.</td>
</tr>
<tr>
<td>204</td>
<td>Recreation Program Planning</td>
<td>3.0</td>
<td>Introduces the principles and practices of recreation planning and program development. Emphasizes the development of programs suitable to meet the needs and interests of participants with goals and objectives, physical settings and activity content. Includes planning and conducting events under direct supervision of instructor and local agency supervisor. Transfer: CSU.</td>
</tr>
<tr>
<td>206</td>
<td>Introduction to Therapeutic Recreation</td>
<td>3.0</td>
<td>Presents a theoretical and practical approach to program planning, organization, implementation, and evaluation of recreation services in public, non-profit, private, and commercial settings. Emphasis on interrelationship of needs and interests of participants with goals and objectives, physical settings and activity content. Includes planning and conducting events under direct supervision of instructor and local agency supervisor. Transfer: CSU.</td>
</tr>
<tr>
<td>207</td>
<td>Introduction to Recreation and Leisure Services</td>
<td>3.0</td>
<td>Presents the history, philosophy, principles, organization and direction of recreation and leisure services in the public, voluntary, private and commercial sectors. Emphasizes functions, areas, facilities, clientele and career opportunities available within the profession.</td>
</tr>
<tr>
<td>208</td>
<td>Recreation Leadership</td>
<td>3.0</td>
<td>Presents the history, the philosophy, and the theory of recreation leadership and the associated techniques used by modern recreation and leisure professionals. Emphasizes leadership styles, characteristics and skills. Transfer: CSU.</td>
</tr>
</tbody>
</table>

### Sociology (SOC)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>201A</td>
<td>Introduction to Sociology</td>
<td>3.0</td>
<td>Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Sociology under the direction of an instructor. Repeatable 3 times.</td>
</tr>
</tbody>
</table>
Introduces the basic principles of sociology including the study of the structure of human society, and the structure and process of group life.
Transfer: CSU; UC.

<table>
<thead>
<tr>
<th>COURSES</th>
<th>2012-2013 Catalog Cuesta College</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SOCIAL INSTITUTIONS</strong></td>
<td><strong>(3.0)</strong></td>
</tr>
<tr>
<td>3.0 hours lecture per week</td>
<td><strong>Associate Degree Applicable</strong></td>
</tr>
<tr>
<td><strong>Advisory: SOC 201A and eligibility for ENGL 156.</strong></td>
<td></td>
</tr>
<tr>
<td>Studies the major social institutions (family, economy, religion, education, and politics) including their structures and functions. Considers major works and draws comparisons between our institutions and those of other societies.</td>
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<tr>
<td>Transfer: CSU; UC.</td>
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</tr>
</tbody>
</table>

| **SOCIAL PROBLEMS** | **(3.0)** |
| 3.0 hours lecture per week | **Associate Degree Applicable** |
| **Advisory: SOC 201A and eligibility for ENGL 156.** |
| Examines current social problems and the sociological concepts, theories, and methods used in their analysis. Emphasis is on the role of power and ideology in the definition of social problems, the causes and consequences of social problems, and the methods of intervention. Topics include crime, poverty, gender inequality, race/ethnic inequality, and family problems. |
| Transfer: CSU; UC. |

| **INTRODUCTION TO CRIMINOLOGY** | **(3.0)** |
| 3.0 hours lecture per week | **Associate Degree Applicable** |
| **Advisory: SOC 201A and eligibility for ENGL 156.** |
| Introduces the basic principles of criminology including the various theories of criminal behavior and the processing of delinquency and crime including arrest, trial, detention, and release from prison. |
| Transfer: CSU. |

| **RACE AND ETHNIC RELATIONS** | **(3.0)** |
| 3.0 hours lecture per week | **Associate Degree Applicable** |
| **Advisory: English 156.** |
| Introduces students to the sociological analysis of race, ethnicity, and racism, focusing on the US American context. Examines the experiences of racial and ethnic groups. Discusses the patterns of interaction between racial and ethnic groups. Analyzes social and cultural factors that sustain racial and ethnic inequality. Evaluates efforts to achieve racial and ethnic equality. |
| Transfer: CSU; UC. |

| **INTRODUCTION TO WOMEN’S STUDIES** | **(3.0)** |
| 3.0 hours lecture per week | **Associate Degree Applicable** |
| **Advisory: ENGL 156.** |
| Studies the interaction of gender and society. Introduces theories of gender differentiation, stratification, and gender roles. Discusses research methodology and examines current research on gender, both within and outside the United States. Investigates how social and cultural factors (e.g., race, class) have shaped the lives of men and women as well as how they have affected their social and cultural environments. Examines the role and status of U.S. women and men within the larger social structure. Women and men in varying cultural settings will be examined, with an emphasis on how social systems shape the roles of women and affect larger U.S. institutions. |
| Transfer: CSU; UC. |

| **INDEPENDENT STUDIES: SOCIOLOGY** | **(2.0 to 0.5)** |
| 6.0 hours laboratory per week | **Associate Degree Applicable** |
| **Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.** |
| Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of sociology under the direction of an instructor. |
| Repeatable 3 times. |
| Transfer: CSU. |

<table>
<thead>
<tr>
<th><strong>SPANISH [SPAN]</strong></th>
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<tbody>
<tr>
<td><strong>193 SPANISH SPECIAL TOPIC</strong></td>
<td><strong>(4.0 to 0.5)</strong></td>
</tr>
<tr>
<td><strong>Associate Degree Applicable</strong></td>
<td></td>
</tr>
<tr>
<td>Examines a special topic in the field of study related to the discipline offering this course.</td>
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</tr>
<tr>
<td><strong>201 SPANISH I</strong></td>
<td><strong>(5.0)</strong></td>
</tr>
<tr>
<td>5.0 hours lecture per week</td>
<td><strong>Associate Degree Applicable</strong></td>
</tr>
<tr>
<td><strong>Prerequisite: SPAN 201 with a minimum grade of C or better</strong></td>
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</tr>
<tr>
<td>Presents a topic-based, introductory language acquisition course in standard contemporary Spanish, with emphasis on listening comprehension, oral interaction, culture-centered readings, and writing of basic Spanish. Social and cultural aspects of the Spanish-speaking world are presented along with the most essential structures and vocabulary. Typed written exercises and online multimedia practice activities are required.</td>
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</tr>
<tr>
<td><strong>202 SPANISH II</strong></td>
<td><strong>(5.0)</strong></td>
</tr>
<tr>
<td>5.0 hours lecture per week</td>
<td><strong>Associate Degree Applicable</strong></td>
</tr>
<tr>
<td><strong>Prerequisite: SPAN 201 with a minimum grade of C or better</strong></td>
<td></td>
</tr>
<tr>
<td>Presents a continuation of SPAN 201 with a topic-centered, intensive practice in listening comprehension, oral interaction, and writing. Selected readings from the Hispanic world include cultural vignettes, prose selections, and poetry. Typed written exercises and online multimedia practice activities are required.</td>
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</tr>
<tr>
<td><strong>203 SPANISH III</strong></td>
<td><strong>(5.0)</strong></td>
</tr>
<tr>
<td>5.0 hours lecture per week</td>
<td><strong>Associate Degree Applicable</strong></td>
</tr>
<tr>
<td><strong>Prerequisite: SPAN 202 with a minimum grade of C or better</strong></td>
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</tr>
<tr>
<td>Presents a continuation of SPAN 202 incorporating a review with topic-centered intensive practice in listening comprehension, oral interaction, and paragraph writing. Selected readings from the Hispanic world include social, cultural, and history-themed vignettes, prose selections, and poetry. Typed written exercises and online multimedia practice activities are required.</td>
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<tr>
<td><strong>204 SPANISH IV</strong></td>
<td><strong>(5.0)</strong></td>
</tr>
<tr>
<td>5.0 hours lecture per week</td>
<td><strong>Associate Degree Applicable</strong></td>
</tr>
<tr>
<td><strong>Prerequisite: SPAN 203 with a minimum grade of C or better</strong></td>
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</tr>
<tr>
<td>Presents an expansion of SPAN 203 focusing on 4 skills: listening, conversation, reading and presentational writing. Drawing from authentic materials, SPAN 204 is an intermediate course that provides a comprehensive grammar review, extensive oral practice and an introduction to literary concepts. Competency reflects the students’ emerging ability to perform both orally and in written form with complex situations. Online multimedia practice is required and includes audio and video and extensive online resources.</td>
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</tr>
<tr>
<td><strong>247 INDEPENDENT STUDIES: SPANISH</strong></td>
<td><strong>(2.0 to 0.5)</strong></td>
</tr>
<tr>
<td>6.0 hours laboratory per week</td>
<td><strong>Associate Degree Applicable</strong></td>
</tr>
<tr>
<td><strong>Prerequisite: The student must have completed preparatory course work in the field in which the study is to be undertaken.</strong></td>
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<tr>
<td>Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Spanish under the direction of an instructor.</td>
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<tr>
<td>Transfer: CSU.</td>
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<thead>
<tr>
<th><strong>VOCATIONAL ESL [VESL]</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>701 WORK-RELATED CONVERSATIONAL SKILLS, LEVEL 1</strong></td>
<td><strong>(0.0)</strong></td>
</tr>
<tr>
<td>3.0 hours lecture per week</td>
<td><strong>Advisory: ESL placement evaluation or equivalent.</strong></td>
</tr>
<tr>
<td>Focuses on work-related conversation, reading, and writing for the non-native speaker at the beginning level. No English is required.</td>
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<tr>
<td>Repeatable.</td>
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</tbody>
</table>
702 WORK-RELATED CONVERSATIONAL SKILLS, LEVEL 2 (0.0)
3.0 hours lecture per week
Advisory: VESL 701 or equivalent.
Provides a continuation of VESL 701, focusing on work-related reading, conversation, and writing for the non-native speaker. Repeatable.

715 COMMUNICATION SKILLS FOR WORKPLACE (0.0)
2.0 hours per week: (0.5 hours lecture, 1.5 hours laboratory)
Focuses on the basic verbal communication skills and cultural knowledge needed in job readiness and job search in the United States. Repeatable.

WELDING [WELD]

175 BLUEPRINT READING AND MATERIALS PROCESSING (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: WELD 270A, and completion of or concurrent enrollment in WELD 270B.
Advisory: MATH 123.
Provides students with instruction and experience with structural, architectural and shop blueprints commonly utilized in the welding industry. Interpretation, drawing, and application of skills will be applied to determining job cost, material acquisition and project construction. Repeatable 1 time.

176 WELDING POWER (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: WELD 270A, and completion of or concurrent enrollment in WELD 270B.
Advisory: MATH 123.
Provides basic instruction in oxyacetylene and shielded metal arc welding. Begins with the fundamentals and quickly progresses through intermediate skills for welding steel. Includes information on cutting, braze welding, metalurgy, vertical arc welding and non-ferrous welding. An emphasis is placed on developing good manipulative welding skills for joining steel in the flat and horizontal positions. Repeatable 1 time.
Transfer: CSU.

193 WELDING TECHNOLOGY SPECIAL TOPIC (4.0 to 0.5)
Associate Degree Applicable
Prerequisite: The student must have completed preparatory coursework in the technical field in which the student is to be undertaken.
Examines a special topic in the field of study related to the discipline offering this course.
Repeatable 3 times.
Transfer: CSU.

247 INDEPENDENT STUDIES: METALS TECHNOLOGY (2.0)
6.0 hours laboratory per week
Associate Degree Applicable
Prerequisite: The student must have completed preparatory coursework in the technical field in which the study is to be undertaken.
Provides an opportunity for in-depth study or practicum experience by an individual student in a selected topic in the Welding Technology area with support and direction from an instructor. Repeatable 3 times.
Transfer: CSU.

270A BASIC WELDING (3.0)
6.0 hours per week: (2.0 hours lecture 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: WELD 270A
Provides basic instruction in oxyacetylene and shielded metal arc welding. Begins with the fundamentals and quickly progresses through intermediate skills for welding steel. Includes information on cutting, braze welding, metalurgy, vertical arc welding and non-ferrous welding. An emphasis is placed on developing good manipulative welding skills for joining steel in the flat and horizontal positions. Repeatable 1 time.
Transfer: CSU.

270B ADVANCED WELDING (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: WELD 270A
Continues WELD 270A with emphasis placed on vertical and overhead welding with the shielded metal arc processes. Includes instruction on air carbon arc gouging, flux core arc welding, and development of welding procedures and techniques.
Transfer: CSU.

270C WELDING: GMAW & GTAW (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: WELD 270A
Provides instruction and experience with Shielded Metal Arc Welding (SMAW) on plate and pipe, as well as introduces Gas Tungsten Arc Welding (GTAW) on pipe. Includes workmanship and pipe fitting techniques, providing opportunity for certification to the American Society of Mechanical Engineers (ASME) Section IX Boiler and Pressure Vessel code.
Repeatable 1 time.
Transfer: CSU.

273 METALLURGY (3.0)
5.0 hours per week: (2.0 hours lecture, 3.0 hours laboratory)
Associate Degree Applicable
Prerequisite: WELD 270A
Focuses on the basic verbal communication skills and cultural knowledge needed in job readiness and job search in the United States. Repeatable 2 times.
Transfer: CSU.

277 METAL FABRICATION (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: WELD 270B
Provides instruction and experience with structural, architectural and shop blueprints commonly utilized in the welding industry. Interpretation, drawing, and application of skills will be applied to determining job cost, material acquisition and project construction.
Repeatable 1 time.
Transfer: CSU.

278A STRUCTURAL STEEL WELDING CERTIFICATION (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: WELD 270B
Continues WELD 270B. Prepares the student to meet industry standards in Shielded Metal Arc welding on plate steel. Includes performance and procedure qualification, workmanship, techniques, inspection. Provides opportunity for certification to the American Welding Society D1.1 Structural Welding Code.
Repeatable 1 time.
Transfer: CSU.

278B PIPE WELDING CERTIFICATION (3.0)
6.0 hours per week: (2.0 hours lecture, 4.0 hours laboratory)
Associate Degree Applicable
Prerequisite: WELD 270B
Prepares the student to meet industry standards in Shielded Metal Arc Welding (SMAW) on plate and pipe, as well as introduces Gas Tungsten Arc Welding (GTAW) on pipe. Includes workmanship and pipe fitting techniques, providing opportunity for certification to the American Society of Mechanical Engineers (ASME) Section IX Boiler and Pressure Vessel code.
Repeatable 1 time.
Transfer: CSU.

WELLNESS [WELL]

000 ADULT FITNESS (0.0)
3.0 hours laboratory per week
Provides an opportunity to begin or continue a lifetime fitness program. Students will participate in activities developing flexibility, muscular endurance, muscular strength, cardiovascular and general conditioning. Group or individual activities may include weight training, aerobics, step training, running, walking, water exercise, resistance workout, use of exercise equipment, etc. Repeatable.
001 ADAPTED AQUATICS (0.0)
3.0 hours laboratory per week
Provides an individualized aquatic exercise program for students with a disability. Improves flexibility, strength, and endurance using the water as a source of buoyancy and resistance.

012 LIFE SKILLS FOR SUCCESS A: WHO AM I? (1.0)
1.0 hours lecture per week
Associate Degree Non-Applicable
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to personal identity, values and goals, and self-esteem and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.
Repeatable 3 times.

013 LIFE SKILLS FOR SUCCESS B: HOW DO I DECIDE? (1.0)
1.0 hours lecture per week
Associate Degree Non-Applicable
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to decision-making, dealing with change, time and energy management through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.
Repeatable 3 times.

014 LIFE SKILLS FOR SUCCESS C: HOW MUCH DO I NEED? (1.0)
1.0 hours lecture per week
Associate Degree Non-Applicable
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to financial literacy, personal budgeting and planning, and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.
Repeatable 3 times.

015 LIFE SKILLS FOR SUCCESS D: STAYING HEALTHY (1.0)
1.0 hours lecture per week
Associate Degree Non-Applicable
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to establishing a healthy lifestyle in the areas of physical, mental and sexual health, and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.
Repeatable 3 times.

016 LIFE SKILLS FOR SUCCESS E: FINDING YOUR FUTURE (1.0)
1.0 hours lecture per week
Associate Degree Non-Applicable
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to planning one’s future including identifying career interests and motivation, career paths, related educational opportunities, job market trends, basic elements of a job search portfolio; and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.
Repeatable 3 times.

017 LIFE SKILLS FOR SUCCESS F: COMMUNITY LIVING A (1.0)
1.0 hours lecture per week
Associate Degree Non-Applicable
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to getting along in the community such as housing, transportation, and public services; and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.
Repeatable 3 times.

018 LIFE SKILLS FOR SUCCESS Q: COMMUNITY LIVING B (1.0)
1.0 hours lecture per week
Associate Degree Non-Applicable
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to developing a sense of community and participating in the community; and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.
Repeatable 3 times.

019 LIFE SKILLS FOR SUCCESS R: LIVING HEALTHY RELATIONSHIPS (1.0)
1.0 hours lecture per week
Associate Degree Non-Applicable
Provides individuals with skills to function effectively in the workplace, school and the community. This course focuses on issues related to building and maintaining healthy relationships; and through reality-based readings, discussions and activities fosters the skills needed to live and thrive in our society.
Repeatable 3 times.

147 INDEPENDENT STUDIES: WORK EXPERIENCE (2.0 to 0.5)
Associate Degree Applicable
Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Work Experience under the direction of an instructor.
Repeatable 3 times.

151L COOPERATIVE WORK EXPERIENCE LAB - GENERAL (2.5 to 0.5)
15.0 hours laboratory per week
Associate Degree Applicable
Corequisite: Choose one of the following courses: BUS 170, BUS 171, BUS 172, BUS 173, BUS 174, BUS 175, BUS 176, BUS 177, BUS 178, BUS 179, BUS 180, BUS 181, BUS 182, BUS 183 or WEXP 151 and must be working a minimum of 5 hours per week.
Examines and provides information on work-related topics. Students enrolling in this class must have a job, working a minimum of 5 hours per week. For Summer, students must be enrolled in one other credit course, and be working a minimum of 7.5 hours per week.
Repeatable.

193 WORK EXPERIENCE SPECIAL TOPICS (4.0 to 0.5)
Associate Degree Applicable
Examines a special topic in the field of study related to the discipline offering this course.

210 INTRODUCTION TO WORKPLACE READINESS (3.0)
3.0 hours lecture per week
Associate Degree Applicable
Introduction of fundamentals for workplace readiness and job retention. Students will develop skills related to customer service, workplace attitude, written and oral communication, and ethical behavior; students will also create a resume and complete a job application, and develop qualities sought by employers.
Repeatable 3 times.
Transfer: CSU.

252L COOPERATIVE WORK EXPERIENCE LAB - OCCUPATIONAL (3.5 to 0.5)
20.0 hours laboratory per week
Associate Degree Applicable
Corequisite: Choose one of the following courses: BUS 170, BUS 171, BUS 172, BUS 173, BUS 174, BUS 175, BUS 176, BUS 177, BUS 178, BUS 179, BUS 180, BUS 181, BUS 182, BUS 183 or WEXP 252 and must be working a minimum of 5 hours per week.
Examines and provides information on work-related topics. Students enrolling in this class must have a job, working a minimum of 5 hours per week. For
Summer, students must be enrolled in one other credit course, and be working a minimum of 7.5 hours per week.

Repeatable 3 times.

Transfer: CSU.

510  INTRODUCTION TO WORKPLACE READINESS  (0.0)

8.0 hours per week: (5.0 hours lecture, 3.0 hours laboratory)
Introduction of fundamentals for workplace readiness and job retention.
Students will learn to develop oral and written communication skills, complete an employment application, interview techniques, build interactive workplace relations, and develop qualities sought by employers.

Repeatable.