

## COURSES OF INSTRUCTION



# COURSES OF INSTRUCTION

In the following list of courses, the credit value of each course in semester credits is indicated by a number in parentheses after the course title.

*Course descriptions followed by the notation (Transfer:... ) indicate that the course is transferable to the California State University system, to the University of California system, or both. A student should contact a counselor to determine which courses are applicable to the student's educational objective.*

## COURSE NUMBERING

**000-099** Non-Degree Applicable and Non-Transferable

**100-199** Degree Applicable and Non-Transferable

**200-299** Degree Applicable and Transferable

**500-599** Non-Credit Courses

**700-799** Non-Credit ESL and Vocational ESL Courses

**Special Topics (093/193)** These are course offerings designed in specific disciplines to test new curriculum before adopting it as a part of an academic program. Course credit values range from 0.5 to 4.0 credits.

**Independent Study (047/147/247)** These courses are academic opportunities for students who are capable of independent work and demonstrate the need or desire for additional study, beyond the regular curriculum. These courses are not intended to replace existing courses in the discipline. In this course, students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.

## PREREQUISITE, COREQUISITE, ADVISORIES AND LIMITATIONS ON ENROLLMENT

The San Luis Obispo Community College District has adopted a policy in order to provide for the establishing, reviewing and challenging of prerequisites, corequisites, and advisories.

### Definitions:

**Prerequisite** means a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. **Courses used to satisfy a prerequisite must be completed with a grade of "C" or better.**

**Corequisite** means a condition of enrollment consisting of a course that a student is **required** to simultaneously take in order to enroll in another course.

**Advisory** means a condition of enrollment that a student is **advised, but not required**, to meet before or in conjunction with enrollment in a course or educational program.

**Limitations on Enrollment** means a condition of enrollment which may include the following:

a. Auditions or tryouts for courses which include public

performance and intercollegiate competition, such as a band, orchestra, theater, chorus, and intercollegiate athletics.

### Repeatable Courses

A repeatable course is identified in the college catalog and online Class Finder as repeatable more than one time.

A non-repeatable course is a course in the college catalog that is not identified as repeatable.

### COURSE FAMILY REPEATS (see chart on page 207)

Enrollment in active participatory courses in physical education, visual arts, or performing arts that are related in content (courses where individual study or group assignments are the means by which learning objectives are obtained) is limited to no more than four times maximum. This limitation applies even if a student receives a substandard grade or "W" during one or more of such a course or petitions for repetition due to extenuating circumstances.

Cuesta identifies the following active participatory course families where enrollment is limited to a maximum of four (4) times within the repeat family group under the following conditions:

- Equivalent courses are counted in the four (4) enrollment maximum.

Example: KINA 246 was formerly PEAC 286 (Yoga) so past earned grades and "W" for PEAC 286 count toward overall 4 enrollment maximum.

- A course that is completed with a passing grade of "C" or higher may not be repeated within the family group.

- A course where a substandard grade or "W" grade is earned may be repeated to earn a passing grade.

- o A student will be blocked from enrolling for a third (3rd) attempt for a single course within a family repeat group if two (2) prior substandard grades are earned. The student will need to submit a Third Enrollment Agreement to be released to enroll for a third (3rd) attempt in the same course.

- o Substandard Grade - a grade of "D+," "D," "D-," "F," "FW," "NP," or "NC."

- A maximum of three (3) "W" symbols may be earned for a course. A student will be blocked from registering for a course where three prior "W" symbols have been earned for a single course within a family repeat group.

- In-progress courses without a final grade are counted in enrollment of family repeat group.

## COURSE STUDENT LEARNING OUTCOMES

Course Student Learning Outcomes can be accessed on the Cuesta CurricUNET site on the course outline of record (click on the WR icon) at the following link:

<http://www.curricunet.com/Cuesta/search/course/>

## COURSE FAMILY REPEATS

Family Code	Description	Courses	Equivalent Course	Department
BAS	Basketball	KINA 271	PEAC 292	Kinesiology (805) 546-3207
		KINA 272		
		KINA 278	PEAC 293	
CON	Endurance	KINA 232	PEAC 266	Kinesiology (805) 546-3207
	Conditioning	KINA 233	PEAC 267	
		KINA 251	PEAC 274	
DRA	Drawing	ART 221		Fine Arts (805) 546-3936
		ART 222		
ENS	Ensemble	MUS 231		Performing Arts (805) 546-3936
		MUS 232A		
ETC	Etching	ART 241A		Fine Arts (805) 546-3936
		ART 241B		
		ART 241C		
FDR	Figure Drawing	ART 223		Fine Arts (805) 546-3936
		ART 224		
MSH	Musicianship	MUS 205A		Performing Arts (805) 546-3936
		MUS 205B		
		MUS 205C		
MTH	Music Theory	MUS 204A		Performing Arts (805) 546-3936
		MUS 204B		
		MUS 204C		
PAI	Painting	ART 230		Fine Arts (805) 546-3936
		ART 231		
PHO	Photography	ART 244		Fine Arts (805) 546-3936
		ART 245		
PIA	Piano	MUS 258		Performing Arts (805) 546-3936
		MUS 259		
REC	Recording Arts	MUS 240		Performing Arts (805) 546-3936
		MUS 241		
SCU	Sculpture	ART 271		Fine Arts (805) 546-3936
		ART 272		
SFO	Sculpture Foundry	ART 274A		Fine Arts (805) 546-3936
		ART 274B		
		ART 274C		
VOI	Voice	MUS 220		Performing Arts (805) 546-3936
		MUS 222		
WAT	Watercolor	ART 232		Fine Arts (805) 546-3936
		ART 233		
WHE	Ceramics	ART 281A		Fine Arts (805) 546-3936
	Wheel-Throwing	ART 281B		
WTT	Weight Training	KINA 201	PEAC 270	Kinesiology (805) 546-3207
		KINA 202	PEAC 271	

## COURSE MATERIAL FEES

Credit and non-credit courses with mandatory material fees are identified in the college catalog, class schedule, and class finder. Material fees are charged at the time of registration. Materials fees for classes dropped prior to the start of the term are automatically credited or reversed to student accounts. See the Cashier's Office for help with materials fees for classes dropped within the two-week drop deadlines.

### CUESTA COLLEGE COURSE MATERIAL FEES

Course Number	Material Fee Amount	Course Number	Material Fee Amount	Course Number	Material Fee Amount	Course Number	Material Fee Amount
ARCH 205	\$ 10.00	ART 266	\$ 45.00	CUL 210	\$150.00	PDS 179	\$ 3.00
ARCH 221	\$ 7.00	ART 267	\$ 45.00	CUL 220	\$ 90.00	PDS 181	\$ 3.00
ARCH 222	\$ 7.00	ART 268	\$ 45.00	ECE 220	\$ 20.00	PDS 182	\$ 3.00
ARCH 232	\$ 12.00	ART 270	\$ 30.00	ECOL 473	\$ 20.00	PDS 183	\$ 3.00
ARCH 242	\$ 7.00	ART 271	\$ 30.00	EMS 107A	\$ 15.00	PLGL 201	\$ 5.00
ARCH 244	\$ 10.00	ART 272	\$ 30.00	EMS 107B	\$ 15.00	PLGL 205	\$ 5.00
ARCH 251	\$ 7.00	ART 274A	\$ 20.00	EMS 107C	\$ 15.00	WELD 270A	\$ 30.00
ARCH 252	\$ 10.00	ART 274B	\$ 20.00	EMS 201	\$ 25.50	WELD 270B	\$ 30.00
ART 220	\$ 15.00	ART 274C	\$ 20.00	EMS 210	\$249.00	WELD 270C	\$ 30.00
ART 222	\$ 15.00	ART 280	\$ 34.00	EMS 211	\$ 45.00	WELD 280A	\$ 30.00
ART 223	\$ 15.00	ART 281A	\$ 51.00	EMS 211L	\$ 22.50		
ART 224	\$ 15.00	ART 281B	\$ 51.00	EMS 212	\$ 7.50		
ART 229	\$ 15.00	ART 282	\$ 51.00	HEED 204	\$ 15.00		
ART 230	\$ 15.00	ART 283	\$ 51.00	KINA 238*	\$165.00		
ART 231	\$ 15.00	ART 284	\$ 51.00	LVN 101AL	\$ 90.00		
ART 234	\$ 15.00	ART 293	\$ 45.00	LVN 102AL	\$ 33.50		
ART 240A	\$ 30.00	ATCH 170	\$ 45.00	MAST 109	\$ 51.00		
ART 240B	\$ 30.00	ATCH 171	\$ 35.00	MAST 111	\$112.50		
ART 241A	\$ 30.00	ATCH 175	\$ 60.00	MUS 266	\$ 25.00		
ART 241B	\$ 30.00	ATCH 177	\$ 45.00	NRAD 103H	\$ 34.50		
ART 241C	\$ 30.00	CIS 103	\$ 5.00	NRAD 201	\$ 18.00		
ART 243	\$ 15.00	CIS 210	\$ 5.00	NRAD 201B	\$ 54.50		
ART 244	\$ 10.00	CIS 217	\$ 5.00	NRAD 202B	\$ 86.50		
ART 245	\$ 10.00	CIS 231	\$ 5.00	NRAD 203B	\$ 95.50		
ART 249A	\$ 45.00	CIS 232	\$ 5.00	PDS 030	\$ 25.00		
ART 249B	\$ 45.00	CIS 233	\$ 5.00	PDS 170	\$ 3.00		
ART 251	\$ 25.00	CIS 240	\$ 5.00	PDS 171	\$ 3.00		
ART 252	\$ 15.00	CNET 221	\$ 10.00	PDS 172	\$ 3.00		
ART 253	\$ 45.00	CNET 253	\$ 5.00	PDS 173	\$ 3.00		
ART 255	\$ 45.00	CNET 255	\$ 20.00	PDS 174	\$ 3.00		
ART 256	\$ 45.00	CNET 262	\$ 10.00	PDS 175	\$ 3.00		
ART 258	\$ 45.00	COUN 254	\$ 37.00	PDS 176	\$ 3.00		
ART 259	\$ 28.00	CUL 125	\$ 45.00	PDS 177	\$ 3.00		
ART 265	\$ 25.00	CUL 149	\$ 60.00	PDS 178	\$ 3.00		

\* KINA 238 is a Golf Usage Fee.

## ACADEMIC SKILLS

**ACSK 004 ADAPTED STUDIES: LECTURE** **1.00 to 2.00**  
*1.00 - 2.00 hours per week: (1.00 - 2.00 lecture hours/0.00 - 0.00 lab hours)*  
 Credit - Not Degree Applicable  
 P/NP Only

Presents curricula and instruction, not available in other courses in a lecture format, to meet identified special learning needs of disabled students. May include advanced training in comprehension, phonetics, computer-assisted instruction, or other specialized topics. An appointment with a Disabled Student Programs and Services faculty member prior to enrollment is strongly advised.  
[Click for Course Student Learning Outcomes](#)

**ACSK 019 INTRODUCTION TO COMPUTERS USING ASSISTIVE TECHNOLOGY** **3.00**  
*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*  
 Credit - Not Degree Applicable  
 Letter Grade or P/NP

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.

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**ACSK 022 INTRODUCTION TO THE INTERNET USING ASSISTIVE TECHNOLOGY** **3.00**  
*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*  
 Credit - Not Degree Applicable  
 Letter Grade or P/NP

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.

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**ACSK 025 COMPUTER ACCESS:ADAPTED WORD PROCESSING I** **2.00**  
*3.00 hours per week: (1.50 lecture hours/1.50 lab hours)*  
 Credit - Not Degree Applicable  
 P/NP Only  
*Advisories: 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.

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**ACSK 031 COMPUTER ACCESS: APPLICATIONS** **2.00**  
*3.00 hours per week: (1.50 lecture hours/1.50 lab hours)*  
 Credit - Not Degree Applicable  
 Letter Grade or P/NP  
*Advisories: MATH 003, ENGL 099, and 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.  
[Click for Course Student Learning Outcomes](#)

**ACSK 032 READING COMPREHENSION** **1.00 to 2.00**  
*1.00 - 2.00 hours per week: (1.00 - 2.00 lecture hours/0.00 - 0.00 lab hours)*  
 Credit - Not Degree Applicable  
 Letter Grade or P/NP

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.

**ACSK 047 INDEPENDENT STUDIES: ACADEMIC SKILLS** **0.50 to 2.00**  
*1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)*  
 Credit - Not Degree Applicable  
 Letter Grade or P/NP

*Prerequisites: 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.

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**ACSK 050 WRITING FUNDAMENTALS** **3.00**  
*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*  
 Credit - Not Degree Applicable  
 Letter Grade or P/NP

*Advisories: 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.

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**ACSK 075 ARITHMETIC FUNDAMENTALS** **4.00**  
*4.00 hours per week: (4.00 lecture hours/0.00 lab hours)*  
 Credit - Not Degree Applicable  
 Letter Grade or P/NP

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.

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**ACSK 193 ACADEMIC SKILLS SPECIAL TOPIC** **0.50 to 4.00**  
*0.00 - 0.00 hours per week: (0.00 - 0.00 lecture hours/0.00 - 0.00 lab hours)*  
 Credit - Degree Applicable  
 Letter Grade or P/NP

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

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**ACSK 247 INDEPENDENT STUDIES:  
ACADEMIC SKILLS****0.50 to 2.00***1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)**Credit - Degree Applicable**Letter Grade or P/NP**Prerequisites: The student must have completed preparatory course work in the field in which the study is to be undertaken.**Advisories: 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.

*Transfer: CSU*[Click for Course Student Learning Outcomes](#)

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**ACSK 500 GED TEST PREPARATION****0***3.00 hours per week: (3.00 lecture hours/0.00 lab hours)**Noncredit**Non-credit Course*

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-solving in pairs and small groups. The course is repeatable.

*Repeatable.*[Click for Course Student Learning Outcomes](#)

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**AGRICULTURE BUSINESS**

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**AGB 201 AGRICULTURE ECONOMICS****3.00***(Formerly ECON201AG)**3.00 hours per week: (3.00 lecture hours/0.00 lab hours)**Credit - Degree Applicable**Letter Grade or P/NP**Prerequisites: MATH 123**Advisories: MATH 127*

Provides a basic understanding of the business and economics of the agricultural industry; an introduction to the economic aspects of agriculture and their implications to the agricultural producer, consumer and the food system; management principles encountered in the day to day operation of an agricultural enterprise as they relate to the decision making process.

*Transfer: CSU; UC (For UC, maximum credit of 3 units total between AGB 201 and ECON 201B).**C-ID AG + AB 124*[Click for Course Student Learning Outcomes](#)

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**AGB 202 INTRODUCTION TO AGRICULTURAL BUSINESS 3.00***(Formerly BUS245AG)**3.00 hours per week: (3.00 lecture hours/0.00 lab hours)**Credit - Degree Applicable**Letter Grade or P/NP**Advisories: ENGL 156*

Provides a basic understanding of the business and economics of the agricultural industry; an introduction to the economic aspects of agriculture and their implications to the agricultural producer, consumer and the food system; management principles encountered in the day to day operation of an agricultural enterprise as they relate to the

decision making process.

*Transfer: CSU; UC*[Click for Course Student Learning Outcomes](#)

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**AGB 204 AGRICULTURAL SALES AND COMMUNICATION 3.00***(Formerly BUS241AG)**3.00 hours per week: (3.00 lecture hours/0.00 lab hours)**Credit - Degree Applicable**Letter Grade Only**Advisories: ENGL 156*

Examines principles and practices of the selling process including selling strategies and approaches, buyer behavior, prospecting, territory management, and customer service. Self-management, communication, leadership, teamwork and interpersonal skills necessary in developing managerial abilities within the agribusiness sector will be explored. Students will gain experience through role-play, formal sales presentations, and job shadowing. The course content is organized to give students an in-depth understanding of the factors and influences that affect the agribusiness industry on a day-to-day basis. Application of these concepts and methods will occur through hands-on projects developing solutions for agriculture business.

*Transfer: CSU**C-ID AG + AB 112*[Click for Course Student Learning Outcomes](#)

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**AGB 210 INTRODUCTION TO AGRICULTURAL COMPUTER APPLICATIONS****4.00***(Formerly CIS210AG)**4.00 hours per week: (4.00 lecture hours/0.00 lab hours)**Credit - Degree Applicable**Letter Grade or P/NP**Advisories: ENGL 156*

Introduces the student to computer use in the workplace with an emphasis on agribusiness situations. Computer applications including word processing, spreadsheets, databases and presentation software will be covered. Also included will be a working knowledge of computer terminology; relationship between hardware and software; computer operating systems and World Wide Web. The course also covers the ethical issues surrounding technology in an agribusiness setting. Credit for one course allowed between CIS 210 and AGB 210.

*Transfer: CSU; UC**C-ID AG + AB 108*[Click for Course Student Learning Outcomes](#)

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**AGRICULTURE MECHANICS**

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**AGM 220 FARM POWER, MACHINERY, AND SAFETY 4.00***6.00 hours per week: (3.00 lecture hours/3.00 lab hours)**Credit - Degree Applicable**Letter Grade or P/NP*

Introduces the safe and proper operation of wheel and track type tractors, their implements and their role in the agriculture industry. Evaluation of agricultural machinery and tractor power performance and emphasis on management, selection, cost analysis using computers and efficient operation of agricultural machinery will be learned.

*Transfer: CSU*[Click for Course Student Learning Outcomes](#)

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**AGM 221 INTRODUCTION TO AGRICULTURE MECHANICS 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces basics in safety, tools, rope work, plumbing, concrete, blueprint reading, electrical, woodworking, metalworking and agriculture mechanics careers. Designed for students who seek to develop basic mechanical skills.

Transfer: CSU

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**AGM 222 AGRICULTURAL SAFETY 3.00**

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Involves safety practices and principles, accident causation and prevention in the shop, as well as with tractors and machinery, livestock and environmental disposal and safe practice.

Transfer: CSU

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**AGM 223 AGRICULTURE INDUSTRIAL POWER 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: AGM 221 with a minimum grade of C or better

Explores the basic operation and repair of modern diesel, natural gas, biofuel, and co-gen engines. Principles and theories are studied by running, testing, diagnosing, disassembling and reassembling components, systems, and engines. Additional emphasis will be placed on current California State Air Quality Control Standards.

Transfer: CSU

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## AGRICULTURE PLANT SCIENCE

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**AGPS 241 INTRODUCTION TO SOIL SCIENCE 3.00**

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces the study of soil physical, chemical and biological properties. Soil classification, derivation, use, function and management including erosion, moisture retention, structure, cultivation, organic matter and microbiology. Laboratory topics include soil type, classification, soil reaction, soil fertility and physical properties of soil.

Transfer: CSU; UC

C-ID AG + PS 128L

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**AGPS 242 INTRODUCTION TO PLANT SCIENCE 3.00**

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides students with a working knowledge of the fundamental structures and processes of plants. Principles to be applied cover plant structures, physiology, heredity, environmental relationship to growth, adaptation, and management of crops. Techniques of research, exploration of plant growth, and identification of economical crops will be included.

Transfer: CSU; UC

C-ID AG + PS 106L

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**AGPS 243 PLANT PROPAGATION AND PRODUCTION 3.00**

5.00 hours per week: ( 2.00 lecture hours/ 3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Examines plant propagation and production with emphasis on nursery operations including sexual and asexual reproduction, planting, transplanting, fertilizing, plant pest and disease control; structures and site layout; preparation and use of propagating and planting mediums; use and maintenance of common tools and equipment; regulations pertaining to plant production. Laboratory required.

Transfer: CSU; UC

C-ID AG + EH 116L

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## AMERICAN SIGN LANGUAGE

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**ASL 147 INDEPENDENT STUDIES: AMERICAN SIGN LANGUAGE 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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 American Sign Language under the direction of an instructor.

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**ASL 201 AMERICAN SIGN LANGUAGE I 5.00**

(Formerly ASL215A)

5.00 hours per week: (5.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces a functional-notional approach to the acquisition of American Sign Language (ASL) - a visual/gestural language - through the development of visual receptive and expressive skills required for vocabulary development, grammar, non-manual behaviors, and fingerspelling. Creates awareness of Deaf Culture by reviewing the history of ASL, dynamics of the Deaf community and cultural customs of communication.

Transfer: CSU; UC

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**ASL 202 AMERICAN SIGN LANGUAGE II 5.00**

(Formerly ASL215B)

5.00 hours per week: (5.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ASL 201 or equivalent

Presents a continuation of ASL 201 through vocabulary development, grammar, non-manual behaviors and fingerspelling. Heightens sensitivity to Deaf culture, including its history, values, traditions and communication customs.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

## ANTHROPOLOGY

### ANTH 201 PHYSICAL ANTHROPOLOGY 3.00

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

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

C-ID ANTH 110

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### ANTH 201L PHYSICAL ANTHROPOLOGY LABORATORY 1.00

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Corequisites: ANTH 201

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

C-ID ANTH 115L

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### ANTH 202 ARCHAEOLOGY 3.00

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

Presents an introduction to archaeological theory and concepts, as well as an overview of both New and Old World archaeology.

Transfer: CSU; UC

C-ID ANTH 150

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### ANTH 203 CULTURAL ANTHROPOLOGY 3.00

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Presents an anthropological study of culture. Cultural anthropologists study and compare human cultures throughout time. Students are introduced to how anthropologists do their work, utilize research ethics and study humans around the globe.

Transfer: CSU; UC

C-ID ANTH 120

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### ANTH 220 CALIFORNIA INDIANS 3.00

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Presents a history 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

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### ANTH 221 NORTH AMERICAN INDIANS 3.00

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Studies the North American Indians, including their lifestyle at the time of contact, their reactions to European contact, and the Indians at present.

Transfer: CSU; UC

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### ANTH 225 CONTEMPORARY CULTURES OF THE WORLD 3.00

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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

[Click for Course Student Learning Outcomes](#)

### ANTH 247 INDEPENDENT STUDIES: ANTHROPOLOGY 0.50 to 2.00

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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 anthropology under the direction of an instructor.

Transfer: CSU

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## ARCHITECTURE

### ARCH 180 ARCHITECTURAL PORTFOLIO DESIGN WORKSHOP 0.50

(Formerly ARCH193B)

1.10 hours per week: (0.22 lecture hours/0.88 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: ARCH 221 and ARCH 232 or comparable experience with Adobe Photoshop

Advisories: ARCH 222

Presents principles, concepts, methods, and skills pertaining to the design and preparation of architectural portfolios and presentations, with particular emphasis on using Adobe InDesign software for page layout and document production.

[Click for Course Student Learning Outcomes](#)

### ARCH 193 ARCHITECTURE SPECIAL TOPIC 0.50 to 4.00

0.00 - 0.00 hours per week: (0.00 lecture hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

[Click for Course Student Learning Outcomes](#)



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**ARCH 193B ARCHITECTURAL PORTFOLIO DESIGN WORKSHOP** **0.50**

1.10 hours per week: (0.22 lecture hours/0.88 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: ARCH 221 with a minimum grade of C or better and ARCH 232 or comparable experience with Adobe Photoshop

Presents principles, concepts, methods, and skills pertaining to the design and preparation of architectural portfolios and presentations, with particular emphasis on using Adobe In-Design software for page layout and document production.

[Click for Course Student Learning Outcomes](#)

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**ARCH 195 TECHNICAL CAREER PREPARATION IN ARCHITECTURE** **1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

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.

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**ARCH 201 INTRODUCTION TO ARCHITECTURE AND ENVIRONMENTAL DESIGN** **2.00**

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 201A

Introduces a critical framework for regarding buildings as works of architecture. Explores the nature of 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 credits between ARCH 201, 213, 221, 222, 251 and 252)

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**ARCH 205 ARCHITECTURAL MODEL MAKING** **2.00**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ARCH 221 and CTCH 250

Advisories: 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 visual representation and communication of architectural design.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**ARCH 221 DESIGN AND VISUAL COMMUNICATION I** **4.00**

8.00 hours per week: (2.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Presents principles, concepts, methods and skills pertaining to freehand and drafted drawings employing orthographic, axonometric, oblique and lineal perspective drawing

systems to represent ideas, objects and environments. Includes principles and concepts of two- and three-dimensional visual design. Covers basic color theory principles, concepts and application; basic physical model building 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 credits between ARCH 201, 213, 221, 222, 251 and 252)

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**ARCH 222 DESIGN AND VISUAL COMMUNICATION II** **4.00**

8.00 hours per week: (2.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ARCH 221 and Completion of or concurrent enrollment in ARCH 232

Continuation and extension of the content and issues introduced in ARCH 211, plus the principles, concepts, methods and skills pertaining to the freehand, drafted and digital visualization and communication of quantitative and qualitative information to support analysis and conceptualization.

Transfer: CSU; UC (For UC, maximum credit of 18 credits between ARCH 201, 213, 221, 222, 251 and 252)

[Click for Course Student Learning Outcomes](#)

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**ARCH 232 ARCHITECTURAL DESIGN & PRESENTATION COMPUTER GRAPHICS** **3.00**

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ARCH 221

Introduces computer design and presentation skills for architecture students including image editing, page layout, and 3D modeling.

Transfer: CSU

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**ARCH 242 INTRODUCTION TO ARCHITECTURAL PRACTICE** **3.00**

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: CTCH 250 and ARCH 221 and completion of or concurrent enrollment in ARCH 230

Introduces the concepts and methods associated with the use and application of construction systems, processes and materials. Emphasis is placed on the standards and conventions used to detail and document light framed construction.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**ARCH 244 ARCHITECTURAL ENVIRONMENT CONTROL SYSTEMS** **3.00**

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: PHYS 205B

Advisories: Completion of or concurrent enrollment in ARCH 252.

Introduces the theory and application of climate, energy use and comfort as determinates of architectural form. Includes architectural methods of ventilating, cooling, heating, and

lighting for envelope-load dominated buildings. Acceptable for credit, CSU, (credit based on portfolio review).

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**ARCH 245 INTRODUCTION TO GREEN BUILDING AND LEED GREEN ASSOCIATE CREDENTIAL PREPARATION 1.50**

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: CTCH 250 or Equivalent professional experience*

Explores the environmental impacts of the built environment, principals of green building design and construction, available rating/certification systems for green building, with an in-depth review of the LEED Rating Systems and their applications, specifically the LEED Building Design and Construction (BD&C) Rating System. At the completion of the course, a review will be completed to support preparation to apply for the LEED Green Associate Credential Exam.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**ARCH 246 GREEN BUILDING AND LEED AP BD+C EXPERIENCE 1.50**

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: ARCH 245 and LEED Green Associate Credential Prep or equivalent professional experience.*

Explores the environmental impacts of the built environment, principles of green building design and construction, available rating/certification systems for green building, with an in-depth review and exploration of the LEED Rating Systems and their applications, specifically the LEED Building Design and Construction (BD+C) Rating System. The course will be primarily focused on the partial documentation/certification of a project pursuing LEED certification. At the completion of the course, a review will be completed to support preparation to apply for the LEED AP BD+C Credential Exam.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**ARCH 247 INDEPENDENT STUDIES: ARCHITECTURE 0.50 to 2.00**

*0.00 - 0.00 hours per week: (0.00 - 0.00 lecture hours/0.00 - 0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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 architecture under direction of an instructor.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**ARCH 248 GREEN BUILDING AND HOME LEED AP HOMES EXPERIENCES 1.50**

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: ARCH 245 and LEED GREEN Associate Credential Prep or Equivalent professional experience.*

Explores the environmental impacts of the built environment, principals of green residential building design and construction, available rating/certification systems for green building, with an in-depth review and exploration of the LEED Rating System and their applications, specifically the LEED for Homes Rating System. The course will be primarily focused on the partial documentation/certification of a project pursuing LEED for Homes Certification. At the completion of the course, a review will be completed to support preparation to apply for the LEED Homes Credential Exam.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**ARCH 251 ARCHITECTURAL DESIGN FUNDAMENTALS I 5.00**

*9.00 hours per week: (3.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: ARCH 222*

Presents theories, principles, methods and means of creative problem solving, two- and three-dimensional visual organizations to communicate concepts and meanings, basic verbal and visual communication skills, analysis of the built environment with emphasis on the creation and interrelationship of architectural form, function and light.

*Transfer: CSU; UC (For UC, maximum credit of 18 credits between ARCH 201, 213, 221, 222, 251 and 252)*

[Click for Course Student Learning Outcomes](#)

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**ARCH 252 ARCHITECTURAL DESIGN FUNDAMENTALS II 5.00**

*9.00 hours per week: (3.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: ARCH 251*

Continuation of theories, principles, methods and means of creative problem solving, two- and three-dimensional visual organizations to communicate concepts and meanings, basic verbal and visual communication skills, analysis of the built environment with emphasis on the creation and interrelationship of architectural form, function, structure and context.

*Transfer: CSU; UC (For UC, maximum credit of 18 credits between ARCH 201, 213, 221, 222, 251 and 252)*

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**ART**

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**ART 193 ART SPECIAL TOPIC 0.50 to 4.00**

*0.00 - 0.00 hours per week: (0.00 lecture hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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**ART 200 ART APPRECIATION 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156.*

Examines works of art through the study of terminology, themes, design principles, media and techniques, and provides a general introduction to the visual arts across time

and diverse cultures through the use of various art historical methodologies.

*Transfer: CSU; UC*

*C-ID ARTH 100*

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**ART 202 INTRODUCTION TO MUSEUM PRACTICES 3.00**

*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A and ART 203 or ART 204 or ART 205 or ART 207 or ART 208 or ART 209 or ART 210*

Introduces the history, functions, and professional practices of art museums. Includes development of an art historical exhibition and accompanying texts. Introduces curatorial and art critical writing, including writing art reviews for publication.

*Transfer: CSU*

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**ART 203 SURVEY OF WESTERN ART HISTORY: PREHISTORY THROUGH THE MIDDLE AGES 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Provides an overview of western art and architecture from prehistory through the medieval period. *Includes cultural and historical background of Prehistoric (Paleolithic and Neolithic periods), Ancient Near Eastern, Egyptian, Aegean, Greek, Roman, and Medieval art traditions.*

*Transfer: CSU; UC*

*C-ID ARTH 110*

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**ART 204 SURVEY OF WESTERN ART HISTORY: RENAISSANCE TO CONTEMPORARY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Presents an overview of art and architecture from the Renaissance to the Contemporary period. Includes cultural and historical issues of the Renaissance, Baroque, Rococo, Neo-Classic, Romantic, Realist, Impressionist, Post- Impressionist and 20th Century periods of art.

*Transfer: CSU; UC*

*C-ID ARTH 120*

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**ART 205 SURVEY OF ART HISTORY: MODERNISM THROUGH CONTEMPORARY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Presents an overview of the art movements, artists and issues of Modernism to Contemporary art. This includes art from the mid-nineteenth century, through the twentieth century and contemporary art. Incorporates the social, political, and aesthetic context of the time.

*Transfer: CSU; UC*

*C-ID ARTH 150*

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**ART 207 SURVEY OF MEXICAN ART HISTORY I: PRE-COLUMBIAN 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Surveys the arts, architecture, and archaeology of ancient Mesoamerica and South America from 1200 BCE to the conquest/16th century.

*Transfer: CSU; UC*

*C-ID ARTH 145*

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**ART 208 SURVEY OF MEXICAN ART HISTORY II: COLONIAL TO CONTEMPORARY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Surveys the arts, architecture, and visual culture of Mexico from the colonial period/16th century to the present.

*Transfer: CSU; UC*

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**ART 209 ART OF AFRICA, OCEANIA, AND INDIGENOUS NORTH AMERICA 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Provides an overview of visual culture, including art and architecture, within select regions in sub-Saharan Africa, Oceania, and indigenous North America.

*Transfer: CSU; UC*

*C-ID ARTH 140*

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**ART 210 SURVEY OF ASIAN ART HISTORY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Provides an overview of Asian art and architecture. Includes cultural and historical background of artistic traditions of India, Southeast Asia, China, Korea, and Japan from prehistoric to modern times.

*Transfer: CSU; UC*

*C-ID ARTH 130*

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**ART 220 FUNDAMENTALS OF 2-D DESIGN 3.00**

*6.00 hours per week: (2.00 lecture hours/4.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Introduces the design elements and principles common to all visual art forms including line, shape, value, texture, color, and space. Develops visual vocabulary for artistic expression through lecture presentations, creative problem solving, and studio projects.

*Transfer: CSU; UC*

*C-ID ARTS 100*

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**ART 221 DRAWING I 3.00**

*6.00 hours per week: (2.00 lecture hours/4.00 lab hours)*

*Credit - Degree Applicable*

Letter Grade or P/NP

Introduces the theory and practice of drawing as visual communication for both non-art and art majors. Presents drawing as a basic expression of visual thinking; combines practicality and aesthetic sense in an alternating sequence of observation and responses. Explores concepts, techniques and conventions in contemporary and historical cultural contexts.

Transfer: CSU; UC

C-ID ARTS 110

[Click for Course Student Learning Outcomes](#)

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**ART 222 DRAWING II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 221

Explores artistic concepts, styles, and creative expression related to intermediate-level drawing. Focuses on complex subject matter and concepts using a variety of drawing mediums, techniques, and methodologies. Students will incorporate personal approaches to content and materials in drawing projects covering both historical and contemporary methods.

Transfer: CSU; UC

C-ID ARTS 205

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**ART 223 FIGURE DRAWING I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 221

Introduces drawing the human figure from observation of live models. Presents a wide variety of drawing media and techniques. Topics include an introduction to human anatomy, the historical and contemporary roles of figure drawing in the visual arts, and expressive, interpretive approaches to drawing the figure.

Transfer: CSU; UC

C-ID ARTS 200

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**ART 224 FIGURE DRAWING II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 223

Continues ART 223 with an emphasis on personal interpretation and the development of content. Focuses on the figure in context and in finished compositions.

Transfer: CSU; UC

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**ART 229 COLOR 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 220

Presents the physical nature of color and the theory of color. Studio projects explore primary systems, color properties, interaction, strategies and expressive qualities of color. Investigates the physiological, psychological, symbolic, and cultural aspects of color.

Transfer: CSU; UC

C-ID ARTS 270

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**ART 230 PAINTING I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 220 and ART 221

Introduces oil and acrylic painting techniques, methods, materials and language. Explores processes, color theory and paint mixing, brushwork and composition, as well as creative responses to materials and subject matter.

Transfer: CSU; UC

C-ID ARTS 210

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**ART231 PAINTING II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 230

Presents a continuation of ART 230 with an emphasis on contemporary issues in painting. Composition and content are also stressed.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ART 232 WATERCOLOR I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 220 and ART 221

Introduces basic watercolor techniques, methods and materials, explores historical and cultural context and the creative use of aqueous media in painting on paper.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ART 233 WATERCOLOR II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 232

Continues ART 232 with an emphasis on problem-solving, composition, historical and cultural context and the development of personal style.

Transfer: CSU; UC

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**ART 234 FIGURE PAINTING 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 223 and ART 230

Advisories: 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.

Transfer: CSU; UC

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**ART 235 MURAL PAINTING 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 220 and 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.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**ART 240A PRINTMAKING I 3.00**

(Formerly ART240)

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces instruction and studio practice in a variety of traditional printmaking techniques such as relief, intaglio, and screen-printing, as well as the designing of images appropriate to these techniques. Emphasizes contemporary art issues related to printmaking and the history of printmaking.

Transfer: CSU; UC

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**ART 240B PRINTMAKING II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 240A with a minimum grade of C or better

Offers further instruction in studio practices developed in ART 240A. Presents intermediate printmaking techniques in relief, intaglio, and screen-printing, as well as projects combining print processes. Emphasizes exploration of personal voice and contemporary cultural issues.

Transfer: CSU

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**ART 241A ETCHING I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 221

Offers instruction and studio practice in beginning etching and drypoint printmaking techniques as well as the designing of images appropriate to these techniques.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ART 241B ETCHING II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 241A

Offers instruction and studio practice in intermediate etching techniques as well as the designing of images appropriate to these techniques. Emphasizes contemporary art issues related to etching.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ART 241C ETCHING III 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 241B

Offers instruction and studio practice in expanded intermediate etching techniques including multiple plate printing and collagraph. Emphasizes contemporary art issues related to etching.

Transfer: CSU; UC

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**ART 243 BOOK ARTS 2.00 to 3.00**

4.00 - 6.00 hours per week: (1.00 - 2.00 lecture hours/3.00 - 4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ART 244 PHOTOGRAPHY I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Introduces the processes, principles, and tools of black and white photography. Topics include the development of technical and aesthetic skills, the elements of design and composition, camera technology, materials and equipment, within an historical and contemporary context. A 35mm film camera is required for class.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ART 245 PHOTOGRAPHY II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ART 244

Continues the study of photography as a fine art. Presents intermediate level concepts, processes, principles, and tools of black and white photography. Topics emphasize the development of photographic work as a means of personal expression through content, the elements of design and composition, and technique. Photography will be considered in an historical and contemporary context. A 35mm film camera is required for class.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ART 249A DIGITAL PHOTOGRAPHY I 3.00**

(Formerly ART 249)

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces the processes, principles, and tools of digital photography. Topics include the development of technical and aesthetic skills, the elements of design and composition, camera technology, materials and equipment, within an historical and contemporary context.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ART 249B DIGITAL PHOTOGRAPHY II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ART 249A with a minimum grade of C or better

Continues the study of digital photography as a fine art. Presents intermediate level concepts, processes, principles, and tools of digital photography. Topics emphasize the development of image-based works as a means of personal expression through content, the elements and principles of design and composition, and applicable digital imaging techniques. Photography will be considered in a historical and contemporary context.

Transfer: CSU

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**ART 251 ALTERNATIVE PHOTOGRAPHIC PROCESSES 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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.

Transfer: CSU

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**ART 252 PHOTOGRAPHIC LIGHTING 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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.

Transfer: CSU

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**ART 253 DIGITAL ART 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Introduction to concepts, practices, and theories of digital art production in a fine arts context. Topics include integration of design, color, and compositional principles with contemporary digital tools and mixed media approaches.

Transfer: CSU; UC

C-ID ARTS 250

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**ART 255 FOUNDATION OF DIGITAL GRAPHIC ART 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: Basic computer skills.

Presents primary instruction in digital vector graphic and illustration using Adobe Illustrator and other Adobe Creative Cloud software. Students will explore visual problem solving and utilize industry standard digital tools to create

graphic works for artistic illustration, graphic design and user experience workflow.

Transfer: CSU

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**ART 256 FOUNDATION OF DIGITAL IMAGING ART 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: Basic computer skills.

Presents primary instruction to enhance digital photographs and compose images using Adobe Photoshop and other Adobe Creative Cloud software. Students will use the latest Adobe Photoshop, Adobe Bridge and Adobe Camera Raw to explore visual problem solving and create images for photography, artistic digital image art, graphic design and user experience workflow.

Transfer: CSU

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**ART 258 FOUNDATION OF DIGITAL LAYOUT DESIGN 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: Basic computer skills

Presents primary instruction in digital layout design using Adobe InDesign and other layout design software. Topics will cover the basic principles of digital layout design and e-publishing for book, magazine, business document, web and UX design.

Transfer: CSU

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**ART 259 FOUNDATION OF WEB AND UX DESIGN 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Presents primary instruction in Web design and user experience (UX) and interactive design using Adobe Dreamweaver, Adobe Muse, Adobe Edge and other App mock-up software. Topics will cover the basic principles of web design and interactive design including the study of content structure, workflow, usability, and testing; HTML5 and CSS3, responsive and dynamic design, WordPress, web hosting and FTP. This course will provide a solid foundation for web design and interactive design projects such as web design, interactive book and app design mock-up.

Transfer: CSU

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**ART 265 MOTION GRAPHIC DESIGN 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces students to the principles and elements of motion graphic design. Topics include motion graphics and typography, principal of video editing and visual effects, user interface animation and basic 3D modeling and 3D animation.

Transfer: CSU

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**ART 266 GRAPHIC DESIGN I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ART 256 and/or ART 255

Introduces principles and processes used in the creative and practical exploration of visual communication. Topics may include digital layout, graphics, illustrations, photography, web & UX, animation and video. Projects incorporate symbols and typography into visual design, exploring interrelationships between formal elements and symbolic content.

Transfer: CSU; UC

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**ART 267 GRAPHIC DESIGN II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 266

Presents a continuation of ART 266 with an emphasis on individualized projects. Topics include creation of skilled projects in digital layout, graphics, illustrations, photography, web and UX design, animation and video.

Transfer: CSU

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**ART 268 DIGITAL TYPOGRAPHY ART 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ART 255 or ART 256

Introduces principles in the creative use of type in a digital environment. Emphasis is on the use of typography in graphic design art. Topics include the history of type, aesthetic qualities of letterforms, type classification, organization and hierarchy, grid systems and page layout.

Transfer: CSU; UC

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**ART 270 FUNDAMENTALS OF 3-D DESIGN 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces the elements and principles of three-dimensional design. Presents a variety of non-objective studio projects using sculptural materials, tools, and methods. Includes the study of historical and contemporary art related to three-dimensional design and spatial composition.

Transfer: CSU; UC

C-ID ARTS 101

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**ART 271 SCULPTURE I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Introduces sculptural principles, techniques, and concepts utilizing a wide range of materials and a focus on contemporary practices. Assignments emphasize creative self-expression, the elements and principles of design, and an examination of historical context.

Transfer: CSU; UC

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**ART 272 SCULPTURE II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 271

Continues study of concepts and techniques of contemporary sculpture as introduced in ART 271. Presents intermediate level assignments in fabrication and new genres with an emphasis on installation and site-specific public art. Addresses ongoing global, sociopolitical and cultural changes as well as incorporating new materials and technologies as tools for innovative art making.

Transfer: CSU

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**ART 274A SCULPTURE FOUNDRY I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 270 and ART 271

Introduces basic theory and practice in cast bronze sculpture. Projects emphasize creative self-expression using direct modeling of wax, basic mold making, and introduction to non-wax casting materials.

Transfer: CSU

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**ART 274B SCULPTURE FOUNDRY II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 274A

Continues instruction and practice in cast bronze sculpture. Assignments emphasize closed core casting, creative expression, and compositional organization of cast metal sculpture.

Transfer: CSU

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**ART 274C SCULPTURE FOUNDRY III 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 274B

Continues instruction and practice in cast bronze sculpture and introduces aluminum casting. Assignments emphasize bronze repair using TIG welding, combining mixed media with cast metal, scale, and original compositional and formal themes.

Transfer: CSU

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**ART 280 INTRODUCTION TO CERAMICS 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces ceramics materials, concepts, and processes. Includes design principles, creative development, hand-building, throwing, glaze techniques, firing and ceramic terminology. Covers aesthetics and creative development of clay objects examining historical, contemporary, and personal modes of expression across cultures.

Transfer: CSU; UC

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**ART 281A CERAMICS: WHEEL-THROWING I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ART 280

Presents the practice of ceramic art with an emphasis on throwing on the potter's wheel. Includes functional vessels and sculptural form derived from wheel-thrown objects and from combining wheel and handbuilt forms.

Transfer: CSU; UC

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**ART 281B CERAMICS: WHEEL-THROWING II 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 281A

Continues Art 281A with further development and refinement of throwing skills. Projects will include functional vessels and sculptural forms derived from wheel-thrown objects and from combining wheel and handbuilt forms. Development of surface, glazing and firing techniques at an intermediate level. Addresses aesthetics and creative development of clay objects examining historical, contemporary, and personal modes of expression.

Transfer: CSU; UC

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**ART 282 CERAMICS: HAND-BUILDING 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 280

Presents the practice of ceramic art with an emphasis on hand-building techniques. Includes functional vessels and sculptural forms, and addresses traditional, historical and contemporary issues. Assignments guide the development of personal and artistic expression.

Transfer: CSU; UC

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**ART 283 CERAMIC SCULPTURE 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 280

Presents a studio class dealing with issues and techniques of traditional and contemporary ceramic sculpture. Technical processes and materials relevant to ceramic sculpture will be covered. Assignments guide the development of personal and artistic expression.

Transfer: CSU; UC

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**ART 284 ALTERNATIVE FIRING TECHNIQUES IN CERAMICS 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ART 280

Presents instruction and experience in alternative firing techniques for ceramic art. Firings will span temperatures and techniques including primitive, low fire, mid-range and

high fire.

Transfer: CSU; UC

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**ART 293 PORTFOLIO PRESENTATION 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: A body of artworks to include a minimum of twelve pieces which have been completed in college studio art courses.

Advisories: ENGL 156 and ART 256

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.

Transfer: CSU

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**ART 295 ART GALLERY 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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.

Transfer: CSU

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**ART 299 INDEPENDENT STUDIES: ART 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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.

Transfer: CSU

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## ASTRONOMY

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**ASTR 193 ASTRONOMY SPECIAL TOPIC 0.50 to 4.00**

0.50 - 4.00 hours per week: (0.50 - 4.00 lecture hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**ASTR 210 ASTRONOMY 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable



Letter Grade or P/NP  
Prerequisites: MATH 123 or equivalent  
Advisories: ENGL 201A

Presents the astronomy of planets, satellites, asteroids, comets, meteors, the sun, stars, and galaxies.

Transfer: CSU; UC

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**ASTR 210L ASTRONOMY LAB 1.00**

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: MATH 123 or equivalent

Corequisites: ASTR 210

Advisories: ENGL 201A

Presents the principles of measurement, data collection and analysis to the astronomical phenomena of celestial motions and characteristics of planets, stars, galaxies in the planning, execution, and presentation of research projects.

Transfer: CSU; UC

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**ASTR 299 ASTRONOMY RESEARCH SEMINAR 1.00**

2.00 hours per week: (0.67 lecture hours/1.33 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides practical experience in one area of astronomical research, and an understanding of the nature of scientific research. Students plan a research project, make observations, analyze results, and write a paper for publication.

Transfer: CSU

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**ATHLETICS**

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**ATHL 193 ATHLETICS SPECIAL TOPIC 0.50 to 4.00**

(Formerly PEAT193)

0.00 - 0.00 hours per week: (0.00 - 0.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**ATHL 206 INTERCOLLEGIATE TRACK AND FIELD 1.50 to 3.00**

(Formerly PEAT234, ATHL 234)

5.00 - 10.00 hours per week: (0.00 - 0.00 lecture hours/5.00 - 10.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Presents the theory and practice of track and field athletics. Includes the rules and fundamentals of the track and field events and participation in intercollegiate track meets.

Repeatable 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 208 TRACK & FIELD 1.00**

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

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 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 221 OFF-SEASON TRAINING FOR FALL ATHLETES I 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides fall sport specific techniques, strategies and training designed for off-season intercollegiate athletes.

Repeatable 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 222 OFF-SEASON TRAINING FOR FALL ATHLETES II 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides fall sport off-season emphasis aerobic and anaerobic conditioning, sports specific techniques, sports specific strength development, play strategies and nutrition.

Repeatable 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 229 OFF-SEASON TRAINING FOR SPRING ATHLETES I 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides spring sport specific techniques, strategies and training designed for off-season intercollegiate athletes.

Repeatable 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 230 OFF-SEASON TRAINING FOR SPRING ATHLETES II 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides spring sport off-season emphasis aerobic and anaerobic conditioning, sports specific techniques, sports specific strength development, play strategies and nutrition.

Repeatable 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 233 PHYSICAL CONDITIONING FOR FALL ATHLETES 1.00**

(Formerly PEAT233)

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

This course is designed to provide a physical conditioning program for the student interested in Fall Intercollegiate Athletics Programs.

Repeatable 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 239 WOMEN'S INTERCOLLEGIATE WATER POLO 1.50 to 3.00**

(Formerly PEAT239)

5.00 - 10.00 hours per week: (0.00 - 0.00 lecture hours/5.00 - 10.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

*Prerequisites:* 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 a 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 3 time(s).

*Transfer:* CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 240 MEN'S INTERCOLLEGIATE WATER POLO 1.50 to 3.00**

(Formerly ATHL236)

5.00 - 10.00 hours per week: (0.00 - 0.00 lecture hours/5.00 - 10.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Presents an opportunity for physically advanced students to further develop a 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 3 time(s).

*Transfer:* CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 241 MEN'S WATER POLO 0.50 to 1.00**

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

This course is designed for those students of ability in water polo who have competed on an interscholastic Water Polo Team or equivalent. Fundamentals in all aspects of play will be stressed. Endurance training and cardiovascular fitness will be discussed.

Repeatable 3 time(s).

*Transfer:* CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 247 INDEPENDENT STUDIES: ATHLETICS 0.50 to 2.00**

(Formerly PEAT247)

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

*Prerequisites:* 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 athletics under the direction of an instructor.

Repeatable 3 time(s).

*Transfer:* CSU

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**ATHL 250 INTERCOLLEGIATE CROSS COUNTRY 1.50 to 3.00**

(Formerly PEAT228, ATHL228))

5.00 - 10.00 hours per week: (0.00 - 0.00 lecture hours/5.00 - 10.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Presents the theory and practice of cross country running and includes participation in intercollegiate competition.

Repeatable 3 time(s).

*Transfer:* CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 255 WOMEN'S INTERCOLLEGIATE VOLLEYBALL 1.50 to 3.00**

5.00 - 10.00 hours per week: (0.00 - 0.00 lecture hours/5.00 - 10.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Designed to introduce the advanced skills of volleyball necessary for playing intercollegiate volleyball. Topics covered include basic skill, quick offense, and both offense and defensive team strategies.

Repeatable 3 time(s).

*Transfer:* CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 260 WOMEN'S INTERCOLLEGIATE SOCCER 1.50 to 3.00**

(Formerly PEAT238, ATHL238)

5.00 - 10.00 hours per week: (0.00 - 0.00 lecture hours/5.00 - 10.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Develops advanced knowledge and skills in the sport of soccer. Appropriate for students desiring the physical, mental and emotional challenges inherent in intercollegiate soccer competition.

Repeatable 3 time(s).

*Transfer:* CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 265 INTERCOLLEGIATE WRESTLING 1.50 to 3.00**

(Formerly PEAT237)

5.00 - 10.00 hours per week: (0.00 - 0.00 lecture hours/5.00 - 10.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Develops knowledge and skill in the sport of wrestling. Emphasizes skill instruction and conditioning techniques that prepare students for intercollegiate competition.

Repeatable 3 time(s).

*Transfer:* CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 270 MEN'S INTERCOLLEGIATE FALL BASKETBALL 0.50 to 3.00**

(Formerly PEAT226, ATHL226)

1.50 - 9.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 9.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Considers broad aspects of the fall intercollegiate basketball preseason with emphasis on offensive and defensive floor strategies. Attention is given to physical condition-

ing necessary for engaging in competitive sports and the responsibilities required of a player who participates in a team activity.

*Repeatable 3 time(s).*

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**ATHL 271 MEN'S INTERCOLLEGIATE SPRING BASKETBALL 0.50 to 3.00**

*1.50 - 9.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 9.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Considers broad aspects of the spring intercollegiate basketball season 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 time(s).*

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**ATHL 275 WOMEN'S INTERCOLLEGIATE FALL BASKETBALL 0.50 to 3.00**

*(Formerly PEAT227, ATHL227)*

*1.50 - 9.00 hours per week: (0.00 lecture hours/1.50 - 9.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Considers broad aspects of the fall intercollegiate basketball preseason 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 time(s).*

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**ATHL 276 WOMEN'S INTERCOLLEGIATE SPRING BASKETBALL 0.50 to 3.00**

*1.50 - 9.00 hours per week: (0.00 lecture hours/1.50 - 9.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.*

Considers broad aspects of the spring intercollegiate basketball season 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 time(s).*

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**ATHL 280 INTERCOLLEGIATE SOFTBALL: WOMEN 1.50 to 3.00**

*(Formerly PEAT231, ATHL231)*

*5.00 - 10.00 hours per week: (0.00 - 0.00 lecture hours/5.00 - 10.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

Develops advanced knowledge and skill in the sport of women's softball. Provides the physical, mental, and emotional challenges inherent in intercollegiate competition.

*Repeatable 3 time(s).*

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**ATHL 281 SOFTBALL CONDITIONING 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

This course is designed to increase the knowledge of softball strategy through conditioning drills.

*Repeatable 3 time(s).*

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**ATHL 282 FAST PITCH SOFTBALL 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

This class is designed to provide collegiate skills development, technique, conditioning, strategies and team play in the sport of softball.

*Repeatable 3 time(s).*

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**ATHL 285 INTERCOLLEGIATE BASEBALL: MEN 1.50 to 3.00**

*(Formerly PEAT225, ATHL225)*

*5.00 - 10.00 hours per week: (0.00 - 0.00 lecture hours/5.00 - 10.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Students must possess advanced intercollegiate athletics skills and knowledge to participate, which will be determined by the instructor.*

Identifies 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 3 time(s).*

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**ATHL 287 BASEBALL DEFENSIVE STRATEGIES 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents the fundamental skills of team baseball and strategies for defense. Students will learn proper fundamentals and strategies for executing game situations, such as cut-offs and relays, run down, first and third defense, and bunt defense.

*Repeatable 3 time(s).*

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**ATHL 288 BASEBALL OFFENSIVE STRATEGIES 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents the fundamental skills of team baseball and strategies for offense. Students will learn proper fundamentals and strategies for executing game situations, such as, situa-

tional hitting, situational bunting, situational running.

Repeatable 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 291 INTERCOLLEGIATE SWIMMING AND DIVING** **1.50 to 3.00**

(Formerly PEAT232, ATHL232)

5.00 - 10.00 hours per week: (0.00 - 0.00 lecture hours/5.00 - 10.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

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 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 293 SWIMMING & DIVING** **0.50 to 1.00**

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Designed for the intercollegiate swimming and diving athletes off season training program. Techniques of all four competitive strokes and strategies of how to compete as an individual/team will be incorporated. Fundamentals of all dives on the 1Meter and 3Meter diving board will be incorporated also.

Repeatable 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 294 ADVANCED SWIMMING & DIVING** **0.50 to 1.00**

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Designed for the intercollegiate swimming and diving athletes off season training program. Advance techniques of all four competitive strokes and strategies of how to compete as an individual/team will be incorporated. Advance fundamentals of all competitive dives on the 1Meter and 3Meter diving board will be incorporated also.

Repeatable 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

[Click for Course Student Learning Outcomes](#)

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**ATHL 298 SKILL AND TRAINING DEVELOPMENT** **0.50**

(Formerly PEAC220)

1.50 hours per week: (0.00 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides skills and strategy to prepare students for athletic competition.

Repeatable 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**ATHL 299 ADVANCED SKILL AND TRAINING DEVELOPMENT** **0.50 to 1.00**

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides advanced skills and strategy to prepare students for intercollegiate athletic competition.

Repeatable 3 time(s).

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**AUTOMOTIVE TECHNOLOGY**

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**ATCH 101 SURVEY OF AUTOMOTIVE MECHANICS** **1.00**

(Formerly WEXP1930, WEXP140)

2.00 hours per week: (0.50 lecture hours/1.50 lab hours)

Credit - Not Degree Applicable

P/NP Only

Presents a basic overview of the automotive mechanics industry in a hands-on learning environment, with an emphasis on the foundational knowledge and skills required for a basic entry level position.

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**ATCH 102 SURVEY OF AUTOMOTIVE BODY REPAIR** **1.00**

(Formerly WEXP193P, WEXP141)

2.00 hours per week: (0.50 lecture hours/1.50 lab hours)

Credit - Not Degree Applicable

P/NP Only

Presents a basic overview of the auto body repair industry in a hands-on learning environment, with an emphasis on the foundational knowledge and skills required for a basic entry level position.

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**ATCH 109 INTRODUCTION TO AUTOMOTIVE COMPUTERS** **2.50**

4.00 hours per week: (2.00 lecture hours/2.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Covers the theory, operation, and basic test procedures for on-board computers found on domestic and imported vehicles. Designed for entry level automotive study.

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**ATCH 120 AUTOMOTIVE IGNITION SYSTEMS** **2.00**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Covers modern vehicle ignition system theory, diagnosis, and repair. Includes IT, EI, and Coil-On-Plug systems.

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**ATCH 125 ENGINE PERFORMANCE** **4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ATCH 152, ATCH 109, ATCH 120 or one year in the automotive trade

Studies automotive engine performance theory and operation including fuel, electrical, emission, and computer systems. Emphasizes tune-up, pollution control, and driveability diagnostic techniques.

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**ATCH 147 INDEPENDENT STUDIES: AUTOMOTIVE TECHNOLOGY 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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.

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**ATCH 152 INTERNAL COMBUSTION ENGINES 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Presents the principles of internal combustion engines encompassing design, construction, and application of engine components, including the ignition, cooling, lubricating, fuel systems, and engine tests and measurements.

[Click for Course Student Learning Outcomes](#)

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**ATCH 153 ENGINE REPAIR PROCEDURES 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ATCH 152 with a minimum grade of C or better

Presents a lecture and laboratory course covering theory and manipulative skills required for employment as an Engine Service Technician. Covers information needed for NATEF Master Automotive Service Technology (MAST 2013) task areas for Engine Repair (Section A1) sub-sections A & D and to pass ASE Automotive Technician Certification Test for Engine Service Specialist ? A1. This course will cover the routine issues related to the diagnosing, and the common repairs and service of automotive engines.

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**ATCH 154 ENGINE OVERHAUL PROCEDURES 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade

Prerequisites: ATCH 152 with a minimum grade of C or better and ATCH 253 with a minimum grade of C or better

Presents theory and manipulative skills required for employment as an Engine Service Technician. Covers information needed for NATEF Master Automotive Service Technology (MAST 2013) task areas for Engine Repair (Section A1) sub-sections B & C and to pass ASE Automotive Technician Certification Test for Engine Service Specialist ? A1. Covers removal, teardown, inspection, machining, reassembly, installation, and break-in of automotive engines.

[Click for Course Student Learning Outcomes](#)

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**ATCH 158 AUTOMOTIVE ELECTRICITY AND ELECTRONICS 4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Studies basic electrical theory, transistors and other semi-

conductors, as well as batteries, charging systems, cranking systems, lighting, vehicle wiring, and accessory systems.

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**ATCH 160 AUTOMOTIVE ELECTRICAL ACCESSORIES 4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156.

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.

[Click for Course Student Learning Outcomes](#)

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**ATCH 164 BASIC AREA CLEAN AIR CAR COURSE 4.00**

4.00 hours per week: (4.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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 64 meets a portion of the requirements for technicians seeking an Emission Basic (EB) or Emission Advanced (EA) Smog Check Technician License.

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**ATCH 166 AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR 2.00**

3.00 hours per week: (1.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Presents theory and practical application of safety inspections, battery service, oil and lubrication, cooling system, ignition system, brake inspection, wheel bearings and minor repairs.

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**ATCH 168 AUTOMOTIVE REPAIR BUSINESS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156.

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.

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**ATCH 170 AUTO BODY REPAIR I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.  
[Click for Course Student Learning Outcomes](#)

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**ATCH 171 ADVANCED AUTO BODY 3.00**

*6.00 hours per week: (2.00 lecture hours/4.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: 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.

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**ATCH 175 AUTOMOTIVE PAINTING 5.00**

*9.00 hours per week: (3.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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.

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**ATCH 177 ADVANCED AUTOMOTIVE PAINTING 3.00**

*6.00 hours per week: (2.00 lecture hours/4.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: ATCH 170 and ATCH 175*

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.

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**ATCH 182 AUTOMATIC TRANSMISSIONS 4.00**

*6.00 hours per week: (3.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156.*

Introduces fundamental operations, rebuilding procedures, and service of torque converters and automotive automatic transmissions. Provides preparation for Automotive Service Excellence Certification.

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**ATCH 186 CHASSIS AND SUSPENSION SYSTEMS 3.00**

*6.00 hours per week: (2.00 lecture hours/4.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Presents suspension geometry and design, wheel alignment, active suspension systems, wheel balancing, tires, and steering systems. Provides training toward Automotive Service Excellence Certification.

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**ATCH 187 AUTOMOTIVE FUEL INJECTION AND TURBOCHARGERS 3.00**

*6.00 hours per week: (2.00 lecture hours/4.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156.*

Presents both mechanical and electrical fuel injection systems for auto- motive gasoline and diesel fuel engines as well as automotive and light truck turbochargers.

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**ATCH 188 AUTOMOTIVE HEATING AND AIR CONDITIONING 3.00**

*6.00 hours per week: (2.00 lecture hours/4.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156.*

Provides 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.

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**ATCH 193 AUTOMOTIVE TECHNOLOGY SPECIAL TOPIC 0.50 to 4.00**

*0.00 - 0.00 hours per week: (0.00 lecture hours)*

*Credit - Not Degree Applicable*

*Letter Grade or P/NP*

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

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**ATCH 193L NON-STRUCTURAL TECHNICIAN - PROLEVEL 1 3.00**

*6.00 hours per week: (2.00 lecture hours/4.00 lab hours)*

*Credit - Not Degree Applicable*

*Letter Grade or P/NP*

Presents non-structural qualification training for industry certification exams. Course includes instruction in automotive hazardous materials, personal safety, and refinishing safety. Training will also include trim and hardware procedures, automotive foams processes, ascertain automotive movable glass functions, implementation of cosmetic straightening steel methods, plastic repair/refinishing, and corrosion protection relevant to the collision repair industry. Emphasis is placed on developing the knowledge and manipulative skill necessary for introductory skills in the collision repair industry.

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**ATCH 195 TECHNICAL CAREER PREPARATION IN AUTOMOTIVE 1.00**

*1.00 hours per week: (1.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

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.

[Click for Course Student Learning Outcomes](#)

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**ATCH 263 AUTOMOTIVE FUEL SYSTEMS:  
CARBURETION 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156.

Studies automotive fuel systems including filters, tanks, lines, safety equipment, pumps, carburetors, and computer controlled carburetors.

Transfer: CSU

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**ATCH 269 AUTOMOTIVE TECHNOLOGY INTERNSHIP 3.00**

6.00 hours per week: (1.50 lecture hours/4.50 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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.

Transfer: CSU

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**ATCH 280 MANUAL DRIVETRAINS 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156.

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

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**ATCH 281 MANUAL TRANSMISSIONS 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ATCH 182, ATCH 186, and ATCH 109 and ENGL 156

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

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**ATCH 284 BRAKING SYSTEMS 4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ATCH 109 and ENGL 156

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

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**ATCH 570 AUTO BODY REPAIR I 0**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Noncredit

Letter Grade or P/NP,

Non-Credit Gradeable Course/SP

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.

Repeatable.

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**ATCH 571 ADVANCED AUTO BODY 0**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Noncredit

Non-Credit Gradeable Course/SP,

Letter Grade or P/NP

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.

Repeatable.

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**ATCH 575 AUTOMOTIVE PAINTING 0**

9.00 hours per week: (3.00 lecture hours/6.00 lab hours)

Noncredit

Non-Credit Gradeable Course/SP,

Letter Grade or P/NP

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.

Repeatable.

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**ATCH 577 ADVANCED AUTOMOTIVE PAINTING 0**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Noncredit

Letter Grade or P/NP,

Non-Credit Gradeable Course/SP

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.

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## BIOLOGY

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**BIO 193 BIOLOGY SPECIAL TOPIC 0.50 to 4.00**

0.00 - 0.00 hours per week: (0.00 lecture hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**BIO 201A BIOLOGY 5.00**

9.00 hours per week: (3.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 127 and CHEM 210FL or one year of high school chemistry

Advisories: ENGL 156

Presents the philosophy of science, methods of scientific inquiry, and experimental design. The course will also cover principles and applications of prokaryotic and eukaryotic cell structure and function, biological molecules, homeostasis, cell reproduction and its controls, cell metabolism including photosynthesis and respiration, protein synthesis, classical/Mendelian genetics, molecular genetics, cellular communication, and biotechnology.

Transfer: CSU; UC

C-ID BIOL 190. BIO 201A+201B = C-ID BIO 135S and C-ID BIO 130S

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**BIO 201B BIOLOGY 5.00**

9.00 hours per week: (3.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: BIO 201A

Advisories: ENGL 156

Continues 201A with surveys of the biology, diversity, classification, and evolution of unicellular and multicellular organisms as well as foundational ecological principles. Emphasizes the classification, structure, and function of organisms, ecological principles, as well as theory and mechanisms of evolution. This course is the second in a sequence intended for biology majors.

Transfer: CSU; UC

C-ID BIOL 140. BIO 201A+201B = C-ID BIO 135S and C-ID BIO 130S

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**BIO 202 GENERAL BOTANY 5.00**

9.00 hours per week: (3.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: Completion of any 3-unit or more college level biology course with a lab with a C grade or better, or completion of high school AP biology with a C grade or better.

Advisories: 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

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**BIO 204 MICROBIOLOGY 5.00**

9.00 hours per week: (3.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: CHEM 210FL with a minimum grade of C or better or equivalent with a grade of C or better

Advisories: 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

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**BIO 205 HUMAN ANATOMY 4.00**

8.00 hours per week: (2.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

Introduces the structure and function of the human body. Introduces and integrates cytology, histology, embryology and pathology throughout each organ system. Includes gross and microscopic anatomy of the integumentary, skeletal, muscular, nervous, endocrine, sensory, circulatory, lymphatic, respiratory, digestive, urinary and reproductive organ systems. Lab includes study of preserved specimens, models and charts.

Transfer: CSU; UC

C-ID BIOL 110

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**BIO 206 GENERAL HUMAN PHYSIOLOGY 5.00**

7.00 hours per week: (4.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: CHEM 210FL or equivalent with a grade of "C" or better and BIO 205

Advisories: BIO 201A

Presents physiological principles, function, integration, and homeostasis of the human body at the cellular, tissue, organ, organ system and organism levels. Study functions in normal healthy conditions and the mechanisms of disease.

Transfer: CSU; UC

C-ID BIOL 120

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**BIO 209C COASTAL BIOLOGY FIELD STUDIES 1.00**

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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

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**BIO 209D DESERT BIOLOGY FIELD STUDIES 1.00**

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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.

*Transfer: CSU; UC*

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**BIO 209S SIERRA BIOLOGY FIELD STUDIES 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Any 3 unit or greater college level biology course.*

*Advisories: 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*

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**BIO 210I ISLAND BIOLOGY 2.00**

*4.00 hours per week: (1.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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*

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**BIO 210M ENVIRONMENTAL AND APPLIED MICROBIOLOGY 2.00**

*4.00 hours per week: (1.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: ENGL 201A with a minimum grade of C or better*

Presents an examination of microorganisms in the environment including: occurrence, abundance, and distribution; processes of microbial interaction with the environment; importance to human and animal health and practices of applied environmental microbiology.

*Transfer: CSU*

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**BIO 210R NATURAL HISTORY OF THE COAST RANGES 2.00**

*4.00 hours per week: (1.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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**BIO 211 LIFE SCIENCE 3.00**

*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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**BIO 212 HUMAN BIOLOGY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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**BIO 212L HUMAN BIOLOGY LABORATORY 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: BIO 212*

*Advisories: ENGL 156*

Laboratory to accompany Human Biology (BIO 212), a general education course for non-biology majors and pre-health related fields. Provides an introduction to the biology of the human 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 environmental adaptations, and interpretations of relevant current topics in biology.

*Transfer: CSU; UC*

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**BIO 213 GENETICS IN SOCIETY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Introduces basic principles of genetics and heredity. Emphasizes current advances 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*

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**BIO 216 PLANTS & PEOPLE 4.00**

*6.00 hours per week: (3.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

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 techniques and how to design water-efficient sustainable gardens using California native plants.

*Transfer: CSU; UC*

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**BIO 220 ENVIRONMENTAL BIOLOGY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Presents a study of biological concepts, processes, and organismal biology, including scientific methodology, metabolism, genetics, evolution and ecology. These concepts are used to assess environmental issues including human population growth, biodiversity, biological conservation, pollution, and resource and energy use.

*Transfer: CSU; UC*

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**BIO 220L ENVIRONMENTAL BIOLOGY LAB 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Completion of or concurrent enrollment in BIO 220.*

*Advisories: ENGL 201A*

Presents an optional laboratory course designed to complement BIO 220, Environmental Science. Applies and expands knowledge gained in BIO 220 through field trips, laboratory investigations, and special projects.

*Transfer: CSU; UC*

[Click for Course Student Learning Outcomes](#)

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**BIO 221 GENERAL ECOLOGY 4.00**

*6.00 hours per week: (3.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156 and 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 interpretation of ecological data in

lab and field.

*Transfer: CSU; UC*

[Click for Course Student Learning Outcomes](#)

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**BIO 222 MARINE BIOLOGY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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*

[Click for Course Student Learning Outcomes](#)

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**BIO 222L MARINE BIOLOGY LABORATORY 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: BIO 222*

Presents an applied, optional course designed to augment BIO 222, through laboratory and field investigations.

*Transfer: CSU; UC*

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**BIO 224 PRINCIPLES OF NATURAL HISTORY 3.00**

*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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**BIO 240 BIOLOGY TEACHING ASSISTANT 0.50 to 2.00**

*0.50 - 2.00 hours per week: (0.50 - 2.00 lecture hours/0.00 - 0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: Instructor approval*

Prepares students to facilitate biology courses by developing tutorial skills, understanding of the learning process, and effectiveness as a teaching assistant.

*Transfer: CSU*

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**BIO 241 BIOLOGY LAB ASSISTANT 0.50 to 2.00**

*0.50 - 2.00 hours per week: (0.50 - 2.00 lecture hours/0.00 - 0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Instructor approval.*

Prepares students to facilitate biology lab courses by developing laboratory, biosafety, and data acquisition skills.

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**BIO 242 BIOLOGY RESEARCH ASSISTANT 0.50 to 2.00**

*0.50 - 2.00 hours per week: (0.50 - 2.00 lecture hours/0.00 - 0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Instructor approval*

Applies principles and methods of biological research.

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**BIO 247 INDEPENDENT STUDIES: BIOLOGY 0.50 to 2.00**  
 1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP  
 Prerequisites: 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.

Transfer: CSU

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## BUSINESS

**BUS 130 INTRODUCTION TO E-COMMERCE 3.00**  
 3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP

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.

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**BUS 131 E-COMMERCE: SOCIAL MEDIA MARKETING 3.00**  
 3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP  
 Prerequisites: BUS 243  
 Advisories: 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.

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**BUS 132 E-COMMERCE: INFORMATION PRODUCTS 3.00**  
 3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP  
 Prerequisites: BUS 130 or BUS 243  
 Advisories: 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.

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**BUS 133 E-COMMERCE: PHYSICAL PRODUCTS 3.00**  
 3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP  
 Prerequisites: BUS 130 or BUS 243  
 Advisories: 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.

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**BUS 134 E-COMMERCE: ENTREPRENEURSHIP 4.00**  
 4.00 hours per week: (4.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP  
 Prerequisites: BUS 248 and either BUS 132 or BUS 133  
 Advisories: LIBT 207 AND CAO A 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.

[Click for Course Student Learning Outcomes](#)

**BUS 193 BUSINESS SPECIAL TOPIC 0.50 to 4.00**  
 0.00 - 0.00 hours per week: (0.00 lecture hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP

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

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**BUS 196 WORKPLACE HUMAN RELATIONS 2.00**  
 2.00 hours per week: (2.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade Only  
 Advisories: 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.

[Click for Course Student Learning Outcomes](#)

**BUS 201A FINANCIAL ACCOUNTING 4.00**  
 4.00 hours per week: (4.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP  
 Advisories: 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

C-ID ACCT 110

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**BUS 201B MANAGERIAL ACCOUNTING 4.00**  
 4.00 hours per week: (4.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP  
 Prerequisites: 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*

*C-ID ACCT 120*

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**BUS 218 BUSINESS LAW 4.00**

*4.00 hours per week: (4.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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 a study of the nature and background of American law, court systems, and court procedures.

*Transfer: CSU; UC*

*C-ID BUS 120 and BUS 125*

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**BUS 227 BUSINESS COMMUNICATIONS 4.00**

*(Formerly CAO227)*

*4.00 hours per week: (4.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: ENGL 201A*

Presents a study of the principles and techniques designed to help students develop and refine written and oral skills for effective business communication. Covers general areas of grammar mechanics and sentence structure. The course emphasizes memos, e-mails, request and response letters, negative response correspondence, and persuasive communication. Includes reports, resumes and cover letters, and oral presentation.

*Transfer: CSU*

*C-ID BUS 115*

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**BUS 228 OFFICE TECHNOLOGY AND TELECOMMUNICATIONS 3.00**

*(Formerly CAO128)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**BUS 229 BUSINESS INTERNSHIP 1.00 to 3.00**

*(Formerly BUS129)*

*2.70 - 8.00 hours per week: (0.20 - 0.50 lecture hours/2.50 - 7.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: 6 units of Business classes*

Provides students an opportunity to experience the respon-

sibilities of an employee in a business setting related to their courses of study in business.

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**BUS 240 ADVERTISING 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: BUS 243 and 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*

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**BUS 241 SALES 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

[Click for Course Student Learning Outcomes](#)

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**BUS 243 MARKETING 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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**BUS 245 INTRODUCTION TO BUSINESS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Surveys the broad field of business practices and provides an examination of how culture, society, economic systems, legal, political, international, financial institutions and human behavior interact to influence how businesses function. Demonstrates how these activities guide actions and decisions in the primary areas of business including: accounting, economics, marketing, leadership and resource management, international business, E-Business and information technology, business law, entrepreneurship, the stock and securities market and ethical and social responsibilities of business.

*Transfer: CSU; UC*

*C-ID BUS 110*

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**BUS 247 INDEPENDENT STUDIES: BUSINESS 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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 practical experience by an individual student in a selected topic of business under the direction of an instructor.

Transfer: CSU

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**BUS 248 SMALL BUSINESS MANAGEMENT 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Presents the role of small businesses in the free enterprise system. Discusses numerous aspects of small business ownership. Provides techniques in strategic planning, marketing, and controlling business operations for managers of small firms.

Transfer: CSU

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**BUS 249 ENTREPRENEURSHIP 4.00**

4.00 hours per week: (4.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156 and MATH 123

Introduces students to the concepts, techniques and requirements for establishing a business from an entrepreneurship viewpoint. Students will explore the roles that marketing, accounting, law and finance play in starting a business.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**BUS 251 ELEMENTS OF ACCOUNTING FOR BUSINESS INCLUDING AGRICULTURAL BUSINESS 4.00**

4.00 hours per week: (4.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

Provides a study of the principles of accounting for small business including agricultural business. Principles include types of records required, their use and how to compute and use measures of earnings and cost of production to improve business and agribusiness efficiencies. Income tax, Social Security, and employee payroll records also included. Application of these concepts and methods will include hands-on projects to develop computer-based solutions for a business or agribusiness. Students will choose a business focus from agricultural, service or retail merchandiser businesses.

Transfer: CSU

C-ID AG + AB 128

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**BUS 252 COMPUTERIZED ACCOUNTING USING QUICKBOOKS PRO 3.00**

(Formerly CAO252)

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: BUS 201A or BUS 251

Provides students familiar with accounting concepts the knowledge, skills, and practice needed to use microcomputers for accounting applications. Includes inputting and electronically managing general journal, specialized journals,

financial statement analysis, payroll, inventory, accounts receivable, accounts payable, depreciation, and other accounting applications. Provides training for entry-level computerized bookkeepers, small business owners, and students pursuing further accounting courses.

Transfer: CSU

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**BUS 260 INTERNATIONAL BUSINESS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: BUS 245

Provides an understanding of the cultural dimensions and market forces necessary to conduct business in a global environment. Examines numerous ethnocentric models of cultural values and behavior plus explores cross-cultural differences between Asia, Latin America, Africa, Middle East, Europe, and the United States in order to develop appropriate strategies for conducting business in a transnational setting. Introduces concepts dealing with Personal Adjustment Skills, Business Effectiveness Skills, ethics abroad, legal situations outside the United States, linguistic variables and operating within a transnational team in order to navigate successfully in the international marketplace.

Transfer: CSU

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**BUS 283 MANAGEMENT AND SUPERVISION 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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

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**BUS 286 HUMAN RELATIONS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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

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**CHEMISTRY**

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**CHEM 193 CHEMISTRY SPECIAL TOPIC 0.50 to 4.00**

0.00 - 0.00 hours per week: (0.00 lecture hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**CHEM 201A GENERAL COLLEGE CHEMISTRY I 5.00**

7.00 hours per week: (4.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: CHEM 210FL or One year High School Chemistry or equivalent with a grade of C or better and MATH 127

Presents the first semester of a one-year course intended primarily for science and engineering majors in the fundamental principles of chemistry. Topics covered include kinetic-molecular treatment of gases, atomic structure and the periodic law, thermochemistry, 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 computer acquisition and analysis of data.

Transfer: CSU; UC

C-ID CHEM 110. CHEM 201A+201B = C-ID CHEM 120S

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**CHEM 201AX APPLIED PROBLEMS FOR GENERAL CHEMISTRY** **1.00**

(Formerly CHEM201X)

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Corequisites: 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.

Transfer: CSU

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**CHEM 201B GENERAL COLLEGE CHEMISTRY II** **5.00**

7.00 hours per week: (4.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: CHEM 201A

Presents advanced general chemistry topics as a continuation of Chemistry 201A. Topics covered include chemical kinetics, thermodynamics, aqueous equilibria, free energy, entropy, electrochemistry, coordination chemistry, nuclear, and organic chemistry. Laboratory work includes quantitative and qualitative analysis with computer acquisition and analysis of data.

Transfer: CSU; UC

CHEM 201A+201B = C-ID CHEM 120S

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**CHEM 201P PREPARATION FOR GENERAL COLLEGE CHEMISTRY** **2.00**

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: CHEM 210FL with a minimum grade of C or better and MATH 127

Presents problem-solving and fundamental reasoning skills needed for success in CHEM 201A, General College Chemistry I. This course is designed for students who meet Chem 201A prerequisites but need additional preparation prior to enrolling in Chem 201A. Topics include techniques for chemical problem solving, dimensional analysis, unit conversion, chemical nomenclature, fundamentals of chemical reactions, and principles of stoichiometry including mass, mole, and volume calculations.

Transfer: CSU

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**CHEM 210FL INTRODUCTORY CHEMISTRY WITH FACILITATOR ASSISTED LEARNING** **4.00**

7.00 hours per week: (3.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 123

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

C-ID CHEM 101

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**CHEM 211 INTRODUCTORY ORGANIC/BIOCHEMISTRY** **4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: CHEM 210FL or equivalent

Presents a survey of organic and biochemistry. Intended primarily for nursing, allied health, agriculture, and some biology majors. Topics include the classification, structure, and reactions of organic molecules as well as biological chemistry as it applies to living systems. Laboratory topics include separation techniques, characterization of organic molecules, reactions of organic and biological compounds.

Transfer: CSU; UC

C-ID CHEM 102

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**CHEM 212A ORGANIC CHEMISTRY I** **5.00**

9.00 hours per week: (3.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: CHEM 201B with a minimum grade of C or better

Presents the first semester of a one-year course in organic chemistry intended primarily for science and preprofessional health majors. The theoretical concepts, structure, nomenclature, and physical properties of hydrocarbons, alkyl halides, and alcohols are studied. Topics include stereochemistry, conformations, MO theory, infrared spectroscopy, as well as nucleophilic substitution, electrophilic addition, elimination, and radical reactions and reaction mechanisms. Laboratory work includes extensive study of organic techniques for separation and identification.

Transfer: CSU; UC

C-ID CHEM 150. CHEM 212A+212B = C-ID CHEM 160S

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**CHEM 212B ORGANIC CHEMISTRY II** **5.00**

9.00 hours per week: (3.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: CHEM 212A

Presents the second semester of a one-year course in organic chemistry. Includes the study of mechanisms and reactions of ethers and epoxides, carbonyl compounds, acid derivatives, and aromatic compounds. Structure elucidation using spectroscopy, multi-step synthesis, and some biochemical applications of organic chemistry will be studied.

Transfer: CSU; UC

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**CHEM 245A INTRODUCTION TO CHEMISTRY  
FACILITATOR ASSISTED LEARNING 1.50**

1.50 hours per week: (1.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Advisories: CHEM 210FL or CHEM 201A

Prepares students to facilitate Introductory Chemistry by developing interpersonal skills, understanding of the learning process, and effectiveness as a facilitator. Introduces practical applications of facilitator assisted learning (FAL) in small groups of chemistry students.

Transfer: CSU

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**CHEM 245B ADVANCED CHEMISTRY FACILITATOR  
ASSISTED LEARNING 1.50**

1.50 hours per week: (1.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: CHEM 245A

Examines advanced approaches to facilitating Introductory Chemistry using interpersonal skills and knowledge of learning processes to increase effectiveness as a facilitator. Analyzes and implements facilitator assisted learning (FAL) techniques as applied to small groups of chemistry students.

Transfer: CSU

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**CHEM 245C CHEMISTRY FACILITATOR ASSISTED  
LEARNING MENTOR 1.50**

1.50 hours per week: (1.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: CHEM 245B

Analyzes facilitator assisted learning (FAL) techniques by acting as a mentor to beginning facilitators. Advanced approaches to facilitating Introductory Chemistry will be applied to small groups of Introductory Chemistry students.

Transfer: CSU

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## COLLEGE SUCCESS STUDIES

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**CSS 025 COLLEGE SUCCESS STUDIES LABORATORY 0.50 to 1.00**

(Formerly ACSK005, CSS005)

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Not Degree Applicable

P/NP Only

Provides students with learning assistance designed to improve skills in reading, writing, mathematics, study skills, and English as a Second Language. Students work independently and at their own pace using software and web-based programs, videos, workshops, and supplemental materials provided by the instructor. Laboratory time is arranged with the instructor. (Formerly ACSK 005 and CSS 005)

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**CSS 058 GRAMMAR STRATEGIES 2.00**

(Formerly ACSK058)

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

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 the function of grammar and the use of it to improve writing effectiveness and reading comprehension.

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**CSS 080 READING STRATEGIES 3.00**

(Formerly ACSK036, CSS036)

3.100 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Promotes understanding of the reading process and facilitates increased reading efficiency, comprehension, and retention of textbook information. Develops effective reading, critical thinking, and vocabulary skills through the use of context.

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**CSS 085 WRITING STRATEGIES 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Introduces students to the sequential development of paragraph writing, beginning with sentence structure, grammar, and mechanics. This course is designed to meet the needs of students who are developing the critical thinking, writing, and editing skills necessary to succeed in English 099.

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**CSS 090 COLLEGE READING STRATEGIES 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Advisories: CSS 080 with a minimum grade of C or better or eligibility for ENGL 099

Promotes comprehension of college texts through the development of successful approaches toward reading and learning, college textbook reading strategies, content-specific vocabulary strategies, and thought patterns.

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**CSS 099 NON-CREDIT SUPERVISED TUTORING 0**

(Formerly ACSK099)

4.00 hours per week: (0.00 lecture hours/4.00 lab hours)

Noncredit

Non-credit Course

Prerequisites: 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.

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**CSS 125 COLLEGE LEARNING STRATEGIES 2.00**

(Formerly ACSK120, CSS120)

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

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**CSS 168 TUTOR TRAINING: SELECTED TOPICS 0.50 to 1.00**

(Formerly ACSK168)

0.50 - 1.00 hours per week: (0.50 - 1.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: Eligibility for ENGL 156

Presents effective tutoring strategies, problem-solving techniques, and ways to build learner motivation. Explores factors that impact student learning, the tutor's role, and academic success strategies. Trains academic tutors to work in the Student Success Center.

[Click for Course Student Learning Outcomes](#)

**CSS 225 COLLEGE SUCCESS 3.00**

(Formerly ACSK225)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Integrates personal growth and values, academic study strategies, and critical and creative thinking proficiency. *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. Emphasizes the attainment of life-long success in academic, professional and personal development.*

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

**CSS 768 TUTOR TRAINING: SELECTED TOPICS 0 to 0**

0.50 - 1.00 hours per week: ( 0.50 - 1.00 lecture hours/0.00 - 0.00 lab hours)

Noncredit

Non-Credit Gradeable Course/SP

Advisories: ENGL 156 with a minimum grade of C or better

Presents effective tutoring strategies, problem-solving techniques, and ways to build learner motivation. Explores factors that impact student learning, the tutor's role, and academic success strategies. Trains academic tutors to work in the Student Success Center.

Repeatable.

[Click for Course Student Learning Outcomes](#)

**COMMUNICATION STUDIES**

**COMM 193 COMMUNICATION STUDIES**

**SPECIAL TOPIC**

**0.50 to 4.00**

(Formerly SPCM193)

1.50 - 12.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 12.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

[Click for Course Student Learning Outcomes](#)

**COMM 201 PUBLIC ADDRESS 3.00**

(Formerly SPCM201A, COMM201A)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 201A

Introduces students to the theory and techniques of public speaking with an emphasis on clear, logical organization and effective delivery of expository and persuasive speeches.

Transfer: CSU; UC

C-ID COMM 110

[Click for Course Student Learning Outcomes](#)

**COMM 210 SMALL GROUP COMMUNICATION 3.00**

(Formerly SPCM210)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 201A

Explores the theories, techniques, and methods of small group communication. Develops participation and leadership skills of effective communicators within the small group setting by focusing on problem-solving, decision-making, conflict resolution, dimensions of diversity, responsibilities of group members, and managing the group process. Provides applied practice through group activities, group presentations, and project group work. Involves regular outside of class group meetings.

Transfer: CSU; UC

C-ID COMM 140

[Click for Course Student Learning Outcomes](#)

**COMM 212 INTERCULTURAL COMMUNICATION 3.00**

(Formerly SPCM212)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: Eligibility for ENGL 201A

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, communicate verbally and non-verbally, and are represented in a diverse world.

Transfer: CSU; UC

C-ID COMM 150

[Click for Course Student Learning Outcomes](#)

**COMM 215 ARGUMENTATION AND DEBATE 3.00**

(Formerly SPCM215)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Building, defending, and refuting arguments in formal and informal settings. Evaluation and use of evidence, reason-



ing, 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

C-ID COMM 120

[Click for Course Student Learning Outcomes](#)

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**COMM 230 INTERPERSONAL COMMUNICATION 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 201A

Applies theory and research to communication in interpersonal relationships in personal and professional contexts. It examines effective and appropriate uses of verbal and non-verbal messages in the initiation, development, maintenance, and termination of interpersonal relationships.

Transfer: CSU; UC

C-ID COMM 130

[Click for Course Student Learning Outcomes](#)

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**COMM 247 INDEPENDENT STUDIES: SPEECH 0.50 to 2.00**

(Formerly SPCM247)

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**COMM 280 SURVEY OF COMMUNICATION STUDIES 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 201A

Introduces students to the symbolic process and history of human communication through the study of basic communication models, fundamental theory, and relevant research findings. Emphasis will be placed on achieving an understanding of the communication process, and the process through which researchers in the field of Human Communication Studies add to their existing body of knowledge.

Transfer: CSU; UC

C-ID COMM 180

[Click for Course Student Learning Outcomes](#)

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**COMPUTER INFORMATION SYSTEMS**

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**CIS 101 SURVEY OF WEB DESIGN 1.00**

(Formerly WEXP146)

2.00 hours per week: (0.50 lecture hours/1.50 lab hours)

Credit - Not Degree Applicable

P/NP Only

Presents a basic overview of web design in a hands-on environment, with an introduction to the knowledge and skills needed for positions in web design.

[Click for Course Student Learning Outcomes](#)

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**CIS 103 FUNDAMENTALS OF PROGRAMMING FOR THE INTERNET 2.00**

3.00 hours per week: (1.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

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.

[Click for Course Student Learning Outcomes](#)

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**CIS 106 SERVER-SIDE PROGRAMMING 4.00**

4.00 hours per week: (4.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: CIS 103 or 201

Emphasizes the creation of interactive internet applications using a server-side language. Topics include core features of the language, control structures, functions, arrays, form validation, regular expressions, and database-driven internet applications.

[Click for Course Student Learning Outcomes](#)

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**CIS 154 ESSENTIALS OF MS OUTLOOK 2.00**

(Formerly CAO154)

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: CIS 210

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.

[Click for Course Student Learning Outcomes](#)

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**CIS 156 TEST PREP FOR MICROSOFT OFFICE SPECIALIST(MOS) CERTIFICATION 0.50**

(Formerly CAO156)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

[Click for Course Student Learning Outcomes](#)

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**CIS 173 ADOBE ACROBAT 1.50**

(Formerly CAO173)

2.00 hours per week: (1.25 lecture hours/0.75 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Presents primary instruction in the use of Adobe Acrobat Professional. Students learn how to create Adobe PDF files from: Microsoft Office programs, popular authoring programs, image files and Web pages. In addition, students will learn reviewing and commenting on existing PDF files; customizing output quality by compressing and reducing file sizes; adding signatures and security to documents, converting paper forms to interactive online forms; creating multi-media presentations that include sound files. Course

also teaches using Adobe Live Cycle Designer to create interactive forms from scratch.

[Click for Course Student Learning Outcomes](#)

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**CIS 193 COMPUTER INFORMATION SYSTEMS SPECIAL TOPIC 0.50 to 4.00**

*1.50 -12.00 hours per week: (0.00 lecture hours/1.50 -12.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

[Click for Course Student Learning Outcomes](#)

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**CIS 193I TECHNOLOGY PROJECT 2.00**

*3.00 hours per week: (1.50 lecture hours/1.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Develop a complete project for release. Includes specification and implementation of the project. Workshops on entrepreneurial skills to bring the project to market.

[Click for Course Student Learning Outcomes](#)

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**CIS 201 INTRODUCTION TO COMPUTER SCIENCE 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Solving problems using computers. Introduces computer programming and algorithmic thinking.

*Transfer: CSU; UC*

*C-ID COMP 112*

[Click for Course Student Learning Outcomes](#)

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**CIS 203 IOS DEVELOPMENT I 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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 Swift language.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**CIS 204 IOS DEVELOPMENT II 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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 the Swift language. Prepares students to release professional quality applications.

*Transfer: CSU*

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**CIS 207 ANDROID DEVELOPMENT I 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Provides the basics in mobile development for the Android platform. Covers the fundamentals of Android development, standard development tools and resources, and an introduction to the Java language.

*Transfer: CSU*

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**CIS 208 ANDROID DEVELOPMENT II 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: CIS 207*

Provides in-depth material on intermediate facets of mobile development for the Android platform. Covers the enhanced methods of Android development, development tools and resources, and additional features of the Java language. Prepares students to release professional quality applications.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**CIS 210 INTRODUCTION TO COMPUTER APPLICATIONS 4.00**

*4.00 hours per week: (4.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Introduces the student to the role of computer information systems and concepts within business organizations. Focus is on computer hardware and software components, systems development, networking, e-commerce, ethics and security. Students use microcomputer applications such as word processing, spreadsheets, and database management to apply computer-based solutions to business problems. Credit for one course allowed between CIS 210 and CIS 210AG.

*Transfer: CSU; UC*

*C-ID BUS 140*

[Click for Course Student Learning Outcomes](#)

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**CIS 215 ADVANCED BUSINESS APPLICATIONS 4.00**

*4.00 hours per week: (4.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: CIS 210*

Integrate advanced skills and problem solving abilities using word processing, spreadsheet and database applications to complete business projects.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**CIS 216 ELECTRONIC SPREADSHEET APPLICATIONS 4.00**

*4.00 hours per week: (4.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: CIS 210 or equivalent*

Introduces the basics of an electronic spreadsheet program using Microsoft Excel. Students learn to analyze, identify, and apply the principles of macros and databases. Class covers data tables, amortization schedules, charting, mapping, pivot tables and summary reports.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**CIS 217 "C" PROGRAMMING LANGUAGE 3.00**

*4.00 hours per week: (3.00 lecture hours/1.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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*

[Click for Course Student Learning Outcomes](#)

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**CIS 231 FUNDAMENTALS OF COMPUTER SCIENCE I 4.00**

*4.00 hours per week: (4.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: CIS 201*

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*

*C-ID COMP 122*

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**CIS 232 FUNDAMENTALS OF COMPUTER SCIENCE II 2.00**

*2.00 hours per week: (2.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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*

*CIS 232+233 = C-ID COMP 132*

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**CIS 233 FUNDAMENTALS OF COMPUTER SCIENCE III 2.00**

*2.00 hours per week: (2.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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*

*CIS 232+233 = C-ID COMP 132*

[Click for Course Student Learning Outcomes](#)

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**CIS 240 MICROCOMPUTER ARCHITECTURE & PROGRAMMING 3.00**

*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

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*

*C-ID COMP 142*

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**CIS 241 DISCRETE STRUCTURES 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: MATH 231 or MATH 229 and MATH 242 or High School equivalent*

Develops and analyzes 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*

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**CIS 247 INDEPENDENT STUDIES: COMPUTER & INFORMATIONAL SCIENCE 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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*

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**CIS 271 COMPUTER GAME DESIGN 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Provides students with insights and experience with game design and development.

*Transfer: CSU*

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**COMPUTER AND NETWORKING TECHNOLOGY**

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**CNET 100 CERTIFICATION PREPARATION AND TESTING 0.50**

*1.50 hours per week: (0.00 lecture hours/1.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Provides students with tools to prepare for and complete popular certification tests such as CompTIA A+, Server+, Net+ and Cisco CCNA as well as others. Test Vouchers may become available through certification providers and testing will be scheduled in-class.

[Click for Course Student Learning Outcomes](#)

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**CNET 121 INTRODUCTION TO COMPUTER OPERATIONS 2.50**

*3.50 hours per week: (2.00 lecture hours/1.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Introduces basic computer and operating system functions and operation. Includes overview of PC hardware components, interface devices, operating system purpose and uses. Provides hands on training in graphical user interface and command window operation, software installation and

configuration.

[Click for Course Student Learning Outcomes](#)

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**CNET 218 WIRELESS NETWORK COMMUNICATION AND ADMINISTRATION 4.00**

(Formerly ETCH218)

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: EET 213

Includes topics related to wireless networking and communications that address the Certified Wireless Network Administrator (CWNA) certification. This is an introductory course with broad exposure to the wireless communication field. General coverage of wireless transmissions, wireless network administration, and wireless connectivity will be addressed.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**CNET 221 COMPUTER WORKSTATION ADMINISTRATION 3.00**

(Formerly CIS221)

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Presents fundamental concepts for configuration of Windows based computers, devices, users, and associated network or security resources. The course covers windows desktop computers in a network based environment that IT support technicians typically work. Operating systems are configured in both domain-based and peer-to-peer network environments with access to the Internet and cloud services. Students learn concepts using both desktop and enterprise Virtualization to configure operating systems and access services.

Transfer: CSU

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**CNET 235 COMPUTER SYSTEM SECURITY 4.00**

(Formerly CIS235)

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: CIS 221 or CIS 122

Conducts a comprehensive examination of the types of attacks launched against networks and computer system. Teaches students how to use network security products, operating system security features, and other hardware/software based tools to counter these threats.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**CNET 253 COMPUTER TECHNICIAN FUNDAMENTALS 3.00**

(Formerly ETCH253)

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: EET 213

Introduces fundamental concepts involved with upgrading and repairing personal computers, basic server hardware and mobile computing devices. Includes topics on the "A+" computer service technician certification plus selected industry relevant topics. Lectures and labs will cover internal computer operation, operating systems, primary and secondary storage methods (system memory modules

and disk drives), adapter cards, computer connectivity, and power supplies. Different components and subsystems will be compared and evaluated based on performance specifications and design considerations.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**CNET 254 SERVER MAINTENANCE AND ADMINISTRATION 4.00**

(Formerly ETCH254)

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: CNET 253 and CNET 221

Prepares the student for the Microsoft Server Administration certification in a VMware virtualization environment. The course builds on concepts taught in the Microcomputer Fundamentals and Operating System Concepts courses. Topics include server architecture, RAID controller configuration, server virtualization and server operating system administration, iSCSI SAN configuration for VMware Cold Migration backups, vMotion and High Availability.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**CNET 255 COPPER AND FIBER OPTIC CABLING 4.00**

(Formerly ETCH255)

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: MATH 123

Addresses topics on industry standard network cabling certification tests. Presents basic concepts in both copper and fiber optic 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 both multi-category twisted pair and fiber optic connectors will be studied and applied. Testing and troubleshooting of network cabling and terminations using wiremap, performance testers, optical test sets and optical time domain reflectometers will be explored. Certification testing at the end of the course will be offered.

Transfer: CSU

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**CNET 260 NETWORKING FUNDAMENTALS 2.50**

(Formerly CIS260)

3.50 hours per week: (2.00 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: CNET 253

Introduces students to the TCP/IP networking protocols, network topologies and media, and internetworking devices. Students will use sophisticated network design, configuration, and analysis CAD tools to select different networking media types, implement cabling and wiring connections, and develop IP addressing and subnetting schemes.

Transfer: CSU

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**CNET 261 ROUTER THEORY AND TECHNOLOGY 2.50**

(Formerly CIS261)

3.50 hours per week: (2.00 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: CNET 260

Introduces students to dynamic routing and packet switching concepts, routing tables and interface configuration, IPv4 and IPv6 addressing schemes, and network security (IP-Sec) protocols. Configuration and troubleshooting activities will focus on IPSec (data encryption and security), OSPF (Open Shortest Path First), and EIGRP (Enhanced Interior Gateway Routing Protocol).

Transfer: CSU

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**CNET 262 LOCAL AREA NETWORKS 2.50**

(Formerly CIS262)

3.50 hours per week: (2.00 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: CNET 260

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

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**CNET 263 WIDE AREA NETWORKS 2.50**

(Formerly CIS263)

3.50 hours per week: (2.00 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: CNET 260

Presents the technology, concepts, and protocols used for interconnecting networks and users through the wide area telecommunications infrastructure. Topics include the Point-to-Point Protocol (PPP), DSL and cable modem connections, Frame Relay, Virtual Private Networks (VPNs), as well as wide area network addressing and security solutions (IPv6 and IPSec). This course completes preparation for the Cisco Certified Network Associate (CCNA) Exam.

Transfer: CSU

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## CONSTRUCTION TECHNOLOGY

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**CTCH 100 WORKPLACE SAFETY 2.00**

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces safety topics that address the OSHA 10 and 30 hour training requirements. Topics including 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.

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**CTCH 101 SURVEY OF RESIDENTIAL CONSTRUCTION 1.00**

2.00 hours per week: (0.50 lecture hours/1.50 lab hours)

Credit - Not Degree Applicable

P/NP Only

Presents a basic overview of the residential construction industry in a hands-on environment, with an emphasis on the foundational knowledge and skills required for basic entry-level construction trades positions.

[Click for Course Student Learning Outcomes](#)

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**CTCH 163 CONSTRUCTION MANAGEMENT 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

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.

[Click for Course Student Learning Outcomes](#)

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**CTCH 164 BLUEPRINT READING 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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.

[Click for Course Student Learning Outcomes](#)

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**CTCH 171 HOMEBUILDING - LAYOUT AND CONCRETE I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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.

[Click for Course Student Learning Outcomes](#)

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**CTCH 172 HOMEBUILDING - FLOOR AND WALL FRAMING I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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.

[Click for Course Student Learning Outcomes](#)

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**CTCH 173 HOMEBUILDING - ROOF FRAMING I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: CTCH 250

Introduces types of roof and stair systems, roofing, estimating live and dead loads, and specialized structural systems.

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**CTCH 174 HOMEBUILDING - FINISH CARPENTRY I 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: CTCH 250

Provides basic instruction in the skills required to install interior and exterior doors, cabinet systems, interior and exterior trim, including stair cases, wainscot, decks and railings. Also covers basic millwork and machine use for making special moldings.

[Click for Course Student Learning Outcomes](#)

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**CTCH 176 BASIC WATER TREATMENT 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: MATH 123

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.

[Click for Course Student Learning Outcomes](#)

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**CTCH 177 WATER DISTRIBUTION SYSTEMS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: MATH 123

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.

[Click for Course Student Learning Outcomes](#)

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**CTCH 180A BUILDING CODE I, ARCHITECTURAL DESIGN PROVISIONS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: CTCH 250

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.

[Click for Course Student Learning Outcomes](#)

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**CTCH 193 CONSTRUCTION TECHNOLOGY SPECIAL TOPIC 0.50 to 4.00**

0.00 - 0.00 hours per week: (0.00 lecture hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

[Click for Course Student Learning Outcomes](#)

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**CTCH 247 INDEPENDENT STUDIES: CONSTRUCTION TECHNOLOGY 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**CTCH 250 MATERIALS OF CONSTRUCTION 3.00**

4.00 hours per week: (2.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

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

[Click for Course Student Learning Outcomes](#)

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**CTCH 284 SOLAR TECHNOLOGY 1 3.50**

5.50 hours per week: (2.50 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: AC/DC current and voltage Power calculations DC to AC conversion Solar Panel DC voltage and current Solar Panel power output Inverter DC to AC conversion process.

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.

Transfer: CSU; UC

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**CTCH 285 SOLAR TECHNOLOGY DESIGN AND CONSTRUCTION 3.50**

5.50 hours per week: (2.50 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Builds on basic concepts from introduction to solar technology (CTCH 284), expanded topics include: solar system sizing, mechanical and electrical integration, utility interconnection, permitting and inspection, commissioning, maintenance, troubleshooting and economic analysis. Addresses topics on the NABCEP PV entry level certification exam.

Transfer: CSU

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**CTCH 287 INTRODUCTION TO GREEN TECHNOLOGY 4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

Transfer: CSU

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## COUNSELING

### **COUN 156 STUDENT SUCCESS 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Advisories: 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.

[Click for Course Student Learning Outcomes](#)

### **COUN 250 EDUCATIONAL PLANNING 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Explore the resources and tools needed to take charge of your educational experience and maximize your academic success. Identify successful college behaviors, campus resources, academic policies and procedures, goal setting, and decision-making strategies. Evaluate interests, personality traits, skills, values and careers of interest. Choose your academic goal and major and use online resources to determine what actions to take to meet that goal. This course culminates in the development of an individualized Student Education Plan (SEP).

Transfer: CSU

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### **COUN 254 CAREER EXPLORATION 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Assesses the student's interests, skills, personality, values, and includes career research in a planning process. Applies assessment information to occupational possibilities and choice of college majors.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

## CRIMINAL JUSTICE

### **CJ 193 CRIMINAL JUSTICE SPECIAL TOPIC 0.50 to 4.00**

1.50 - 12.00 hours per week: (0.00 lecture hours/1.50 - 12.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

[Click for Course Student Learning Outcomes](#)

### **CJ 202 INTRODUCTION TO CRIMINAL JUSTICE 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: 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

C-ID AJ 110

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### **CJ 204 PRINCIPLES AND PROCEDURES OF THE JUSTICE SYSTEM 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

Examine and analyze due process in criminal proceedings from investigation through trial, sentencing, and appeal. Includes a review of statutory law, and state and federal constitutional case law.

Transfer: CSU

C-ID AJ 122

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### **CJ 206 CONCEPTS OF CRIMINAL LAW 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

Presents elements of the penal code and general laws about crimes against persons, property, standards of morality, and the state.

Transfer: CSU; UC

C-ID AJ 120

[Click for Course Student Learning Outcomes](#)

### **CJ 208 LEGAL ASPECTS OF EVIDENCE 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

Presents kinds of evidence and principles of admissibility, witness competency, privileged communications, and hearsay. Includes the procedures to be followed in evidence collection and preservation.

Transfer: CSU

C-ID AJ 124

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### **CJ 210 PRINCIPLES OF INVESTIGATION 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

Presents investigation fundamentals of crime scene search, collecting/ recording evidence, interviews and interrogation. Covers procedures used in investigating various kinds of criminal activity.

Transfer: CSU

C-ID AJ 140

[Click for Course Student Learning Outcomes](#)

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**CJ 213 PATROL PROCEDURES 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

Studies patrol operations, strategies, objectives, technologies and techniques. Explores effective communication, terrorism management, emergency response strategies and responses to calls for service.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**CJ 224 COMMUNITY, DIVERSITY AND THE JUSTICE SYSTEM 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

Explores the complex dynamic 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 and evolving multicultural population and imparts cultural competence and facilitation of conflict resolution.

Transfer: CSU; UC

C-ID AJ 160

[Click for Course Student Learning Outcomes](#)

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**CJ 226 INVESTIGATIVE REPORT WRITING 2.00**

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: 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.

Transfer: CSU

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**CJ 228 INTRODUCTION TO CORRECTIONS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: 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; UC

C-ID AJ 200

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## CULINARY ARTS

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**CUL 125 BAKING AND BAKING SCIENCE I 1.00**

2.00 hours per week: (0.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Introduces the student to the basic skills needed for professional baking. Enables the student to learn and practice the skills and methods of the production of bread, desserts, and other baked goods using quantity production techniques.

[Click for Course Student Learning Outcomes](#)

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**CUL 149 VEGETARIAN CUISINE 1.00**

1.22 hours per week: (0.89 lecture hours/0.33 lab hours)

Credit - Degree Applicable

Letter Grade Only

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.

[Click for Course Student Learning Outcomes](#)

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**CUL 210 CULINARY ARTS FUNDAMENTALS I 2.50**

5.00 hours per week: (1.25 lecture hours/3.75 lab hours)

Credit - Degree Applicable

Letter Grade Only

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

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**CUL 220 CULINARY ARTS FUNDAMENTALS II 1.50**

3.00 hours per week: (0.75 lecture hours/2.25 lab hours)

Credit - Degree Applicable

Letter Grade Only

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

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## DISTANCE

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**DIST 101 INTRODUCTION TO ONLINE COURSES 0.50**

1.50 hours per week: (0.00 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Introduces students to the different types of technologies utilized in a distance education course. Students will determine if distance education is right for them and learn academic and technological skills for success in distance education and technology mediated courses.

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## DRAMA

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**DRA 200 ACTING I 3.00**

(Formerly DRA201A)

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)



*Credit - Degree Applicable*

*Letter Grade Only*

Explores basic acting theory to performance and develops the skills of interpretation of great dramatic works of the imagination through acting. Special attention is paid to skills for performance: memorization, stage movement, vocal production, and cultural interpretation of text.

*Transfer: CSU; UC*

*C-ID THTR 151*

[Click for Course Student Learning Outcomes](#)

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**DRA 201 ACTING II - ACTING FOR THE CAMERA 3.00**

*(Formerly DRA201B)*

*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: DRA 200 with a minimum grade of B or better*

Continues the exploration of theories and techniques used in preparation for the interpretation of drama through acting. The emphasis will be placed on deepening the understanding of the acting process through character analysis, monologues, and scenes with special emphasis on styles and forms of acting. Students may perform in an Acting Showcase at semester's end.

*Transfer: CSU; UC*

*C-ID THTR 152*

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**DRA 207 INTRODUCTION TO THEATRE 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Focuses on the relationship of theatre to various cultures throughout history, and on the contributions of significant individual artists. This course introduces students to elements of the production process including playwriting, acting, directing, design, and criticism. Students will also survey different periods, styles and genres of theatre through play reading, discussion, films and viewing and critiquing live theatre, including required attendance of theatre productions.

*Transfer: CSU; UC*

*C-ID THTR 111*

[Click for Course Student Learning Outcomes](#)

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**DRA 209 INTRODUCTION TO THEATRE DESIGN 3.00**

*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

Introduces the student to the theories and practices of theatrical design as it applies to scenery, properties, lighting, sound, costumes, and make-up. Includes an overview of theatrical equipment and construction techniques necessary to realize the design.

*Transfer: CSU; UC*

*C-ID THTR 172*

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**DRA 211 STAGECRAFT 3.00**

*(Formerly DRA211A)*

*6.00 hours per week: (2.00 lecture hours/4.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Introduces the student to the theories and practices of

stagecraft. This comprehensive course covers the principles and safe execution of scenery construction, scenic art, properties, stage lighting, and audio through lecture and practical lab experience. Topics also include: design process, professionalism, and theatre performance spaces.

*Transfer: CSU; UC*

*C-ID THTR 171*

[Click for Course Student Learning Outcomes](#)

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**DRA 214 SCRIPT ANALYSIS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 099*

Study a variety of plays and learn how to examine their structure, theme and cultural context. Script analysis is an essential applied skill for actors, designers and directors.

*Transfer: CSU; UC*

[Click for Course Student Learning Outcomes](#)

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**DRA 236 INTRODUCTION TO THEATRICAL COSTUME CONSTRUCTION 3.00**

*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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*

*C-ID THTR 174*

[Click for Course Student Learning Outcomes](#)

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**DRA 240 TECHNICAL THEATRE PRACTICUM 3.00**

*6.00 hours per week: (2.00 lecture hours/4.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Offers skill building lab opportunities in lighting, sound, scenery construction, props, and scenic art. Lab sessions are tailored to students' current area of study. This course may be taken four times for credit.

*Transfer: CSU; UC*

*C-ID THTR 192*

[Click for Course Student Learning Outcomes](#)

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**DRA 247 INDEPENDENT STUDIES: DRAMA 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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.

*Transfer: CSU*

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**DRA 248 REHEARSAL AND PERFORMANCE IN PRODUCTION 3.00**

*6.00 hours per week: (2.00 lecture hours/4.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: Instructor's consent through audition.*

Collaborate as a successful actor in a theater production's

rehearsal and performance of a great dramatic and cultural work of the human imagination.

*Repeatable 3 time(s).*

*Transfer: CSU; UC*

*C-ID THTR 191*

[Click for Course Student Learning Outcomes](#)

## EARLY CHILDHOOD EDUCATION

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### **ECE 201 CHILD GROWTH AND DEVELOPMENT 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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*

*C-ID CDEV 100*

[Click for Course Student Learning Outcomes](#)

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### **ECE 202 CHILD, FAMILY AND COMMUNITY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Examines the developing child in a societal context focusing on the interrelationship of family, school and community and emphasizes historical and socio-cultural 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*

*C-ID CDEV 110*

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### **ECE 203 CURRICULUM FOR YOUNG CHILDREN 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

*C-ID ECE 130*

[Click for Course Student Learning Outcomes](#)

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### **ECE 204 HEALTH, SAFETY, AND NUTRITION 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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 Play-ground 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*

*C-ID ECE 220*

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### **ECE 205 INTRODUCTION TO EARLY CHILDHOOD EDUCATION: PRINCIPLES AND PRACTICES 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: 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*

*C-ID ECE 120*

[Click for Course Student Learning Outcomes](#)

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### **ECE 206 OBSERVATION, RECORDING TECHNIQUES AND ASSESSMENT 3.00**

*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: 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*

*C-ID ECE 200*

[Click for Course Student Learning Outcomes](#)

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### **ECE 209 GUIDANCE, CURRICULUM AND ENVIRONMENTS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Corequisites: ECE 210*

*Advisories: 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*

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**ECE 210 PRACTICUM: FIELD EXPERIENCE 3.00**

3.00 hours per week: (1.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ECE 201, ECE 202, ECE 203, ECE 205, ECE 206, and

Department of Social Services Title XXII, Section 101215B requires current TB clearance

Corequisites: ECE 209

Advisories: 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

C-ID ECE 210

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**ECE 211 MUSIC AND MOVEMENT ACTIVITIES FOR YOUNG CHILDREN 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: 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

[Click for Course Student Learning Outcomes](#)

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**ECE 215 TEACHING IN A DIVERSE SOCIETY 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ENGL 156

Explores the issues of diversity and social justice and applies these concepts to early education programs. Self examination and reflection contribute to a deepening understanding of how to best support children as they gain a sense of identity and become respectful and confident members of our complex, diverse society. Various classroom strategies will be explored, emphasizing a culturally and linguistically appropriate anti-bias approach to creating a multicultural classrooms.

Transfer: CSU

C-ID ECE 230

[Click for Course Student Learning Outcomes](#)

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**ECE 220 ART FOR CHILDREN 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

[Click for Course Student Learning Outcomes](#)

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**ECE 234 CHILDREN'S LITERATURE 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Presents a survey of literature for children from infancy through elementary 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: DS3, DS5.

Transfer: CSU

C-ID ENGL 180

[Click for Course Student Learning Outcomes](#)

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**ECE 235 STRATEGIES FOR CHALLENGING BEHAVIORS IN THE ECE CLASSROOM 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**ECE 236 UNDERSTANDING THE CHILD WITH SPECIAL NEEDS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Examines the characteristics of children with special needs and how to effectively meet their individual needs. Presents the identification, educational needs, behavior management, family relationships, children's rights and community resources of/for the child with special needs.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**ECE 242 INFANT-TODDLER CAREGIVING 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**ECE 244 SUPERVISION AND ADMINISTRATION OF PARENT PROGRAMS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

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

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**ECE 245 ADULT SUPERVISION, EVALUATION AND STAFF RELATIONS IN ECE 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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: DS 6 Advanced. Recommended: one year of Early Childhood Education teaching experience.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**ECE 246 ADMINISTRATION AND SUPERVISION OF EARLY CHILDHOOD SCHOOLS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

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 community, parents, and regulatory agencies. Meets Title XXII requirements: DS 6 Advanced.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**ECONOMICS**

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**ECON 193 ECONOMICS SPECIAL TOPIC 0.50 to 4.00**

1.50 -12.00 hours per week: (0.00 lecture hours/1.50 -12.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

[Click for Course Student Learning Outcomes](#)

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**ECON 201A PRINCIPLES OF MACROECONOMICS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: MATH 123

Advisories: ENGL 156

Introduces aggregate economic analysis. Topics include: market systems, aggregate measures of economic activity, macroeconomic equilibrium, money and financial institutions, monetary and fiscal policy, international economics, and economic growth.

Transfer: CSU; UC

C-ID ECON 202

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**ECON 201B PRINCIPLES OF MICROECONOMICS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: MATH 123

Advisories: MATH 127

Presents introductory concepts pertaining to choices of individual economic decision-makers. Topics include scarcity, specialization and trade, market equilibrium, consumer demand, elasticity, production and cost theory, market structures, factor markets, market failure, and international trade. Credit for one course allowed between ECON 201B and ECON 201AG.

Transfer: CSU; UC (For UC, maximum credit of 3 units total between AGB 201 and ECON 201B).

C-ID ECON 201

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**ECON 220 PERSONAL FINANCIAL PLANNING 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Covers the management of personal incomes and expenditures using methodology and resources for effective financial planning. Topics include creating a budget, using credit wisely, making informed insurance decisions, and an overview of different financial assets used for personal investing.

Transfer: CSU

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**ECON 247 INDEPENDENT STUDIES: ECONOMICS 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Economics under the direction of an instructor.

Transfer: CSU

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**ELECTRONICS AND ELECTRICAL TECHNOLOGY**

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**EET 119 STATE ELECTRICIAN TRAINEE TOPICS 4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Presents topics related to job-site safety, OSHA requirements for safely working on energized circuits, reading blueprints, schematics, wiring & ladder diagrams. Network cabling topics including high bandwidth cable theory, applications and testing. Low voltage alarm system topics.

Introduction to HVAC operational theory, general system testing and troubleshooting.

[Click for Course Student Learning Outcomes](#)

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**EET 213 ELECTRONICS FUNDAMENTALS 6.00**

(Formerly ETCH213)

8.00 hours per week: (5.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

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

[Click for Course Student Learning Outcomes](#)

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**EET 169 RESIDENTIAL WIRING 3.00**

(Formerly CTCH169)

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: CTCH 250

Introduces basic residential wiring skills. Includes basic electrical theory, installation techniques, basic plan reading, estimating and wiring methods.

[Click for Course Student Learning Outcomes](#)

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**EET 181 NATIONAL ELECTRICAL CODE 3.00**

(Formerly CTCH181)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: EET 169 and ENGL 156

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.

[Click for Course Student Learning Outcomes](#)

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**EET 183 COMMERCIAL AND INDUSTRIAL WIRING 4.00**

(Formerly CTCH183)

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: EET 169 with a minimum grade of C or better and EET 213: with a minimum grade of C or better

Presents planning, construction, and testing of a typical commercial electrical installation including: plans and specifications, applicable codes, load calculations, wire sizing, conduit fill analysis and bending, branch circuits, feeders, grounding practices, transient surge suppression, uninterruptible power supply selection and installation techniques. Additionally studies the responsibilities and knowledge required for professional industrial and commercial electricians working under current state certification requirements including: industrial electrical service power and lighting, feeder bus systems, panel boards, hazardous locations, power factor, ballasts, transformers, switching systems, grounding and bonding, installation techniques, and applying code requirements to all aspects of commercial and industrial wiring systems. Course developed in conjunction with the California Apprenticeship Council's standards for the State Electrical Certification Examination.

[Click for Course Student Learning Outcomes](#)

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**EET 213 ELECTRONICS FUNDAMENTALS 6.00**

8.00 hours per week: (5.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Completion of or concurrent enrollment in MATH 123 or MATH 127.

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

[Click for Course Student Learning Outcomes](#)

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**EET 224 INDUSTRIAL ELECTRONICS 4.00**

(Formerly ETCH224)

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: 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

[Click for Course Student Learning Outcomes](#)

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**EET 227 FLUID AND PNEUMATIC TECHNOLOGY 4.00**

(Formerly ETCH227)

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

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 physical locomotion as related to horsepower and torque calculations. In depth applications of accumulator circuits, directional control valves, sequencers, pilots and solenoid controlled valves. Application of relay and PLC circuits address in laboratory and field environment.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**EET 228 PLC AUTOMATION AND SOLAR MONITORING 4.00**

(Formerly ETCH228)

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: 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

[Click for Course Student Learning Outcomes](#)

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### **EET 257 COMPUTER INSTRUMENTATION AND CONTROL 4.00**

(Formerly ETCH257)

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories:* EET 224

Course includes topics related to basic process instrumentation and control developed in conjunction with Pacific Gas and Electric's (PG&E's) 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

[Click for Course Student Learning Outcomes](#)

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### **EET 267 POWER SYSTEMS AND ROTATING ELECTRICAL MACHINERY 4.00**

(Formerly ETCH267)

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories:* EET 224

Course includes topics related to fundamental industrial electrical maintenance training developed in conjunction with Pacific Gas and Electric's (PG&E's) 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

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### **EET 270 NUCLEAR POWER PROCESSES FOR TECHNICIANS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories:* MATH 127

Presents nuclear power plant maintenance technicians with an overview and quantitative description of the processes, functions, and operational requirements of a modern nuclear power plant.

*Transfer:* CSU

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### **EET 271 NUCLEAR POWER FUNDAMENTALS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites:* EET 270

Introduces the basic nuclear energy concepts, and describes the essential systems, subsystems, and components required for the safe and reliable production of electrical power at a modern nuclear power plant. Topics include: reactor core design and safety systems, cooling systems, heat exchangers, steam generation and power production, and properties of materials.

*Transfer:* CSU

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### **EET 272 NUCLEAR SYSTEMS MAINTENANCE I 4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories:* EET 271 and EET 277

Presents nuclear energy technicians with the detailed knowledge and skills necessary to perform the tasks and understand the safety requirements associated with the maintenance of a nuclear power plant, during both the operational and decommissioning phases of the plant life-cycle.

*Transfer:* CSU

[Click for Course Student Learning Outcomes](#)

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### **EET 273 NUCLEAR SYSTEMS MAINTENANCE II 4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories:* EET 272

Presents nuclear energy technicians with the fundamental knowledge and procedural skills necessary for the maintenance and decommissioning of a Pressurized Water Reactor (PWR) nuclear power plant, placing special emphasis on the operation, monitoring, evaluation, repair and replacement of the associated equipment and instrumentation.

*Transfer:* CSU

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## **EMERGENCY MEDICAL SERVICES**

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### **EMS 102 EMERGENCY MEDICAL TECHNICIAN-REFRESHER 1.50**

1.50 hours per week: (1.50 lecture hours/0.00 lab hours)

*Credit - Degree Applicable*

*P/NP Only*

*Prerequisites:* Current CA Emergency Medical Technician certificate or a CA EMT/county EMT certificate that has not been expired for more than 2 years.

Reviews and updates knowledge and skills required to qualify for the State of California Emergency Medical Technician certification. Current CA EMT certification will need to be received in the Nursing/Allied Health Department office in order to register for this course.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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### **EMS 102T EMERGENCY MEDICAL TECHNICIAN-TRANSITION 1.50**

1.50 hours per week: (1.50 lecture hours/0.00 lab hours)

*Credit - Degree Applicable*

*P/NP Only*

*Prerequisites:* Student must show proof of completion of ICS-100, ICS-700 and HAZMAT First Responder Awareness level training (or the equivalent)

to these courses). This may be taken as a pre-req or concurrently.

Designed for NREMT EMT-Basics to retain their National Registry status at the new Emergency Medical Technician level under the new EMS education standards. If you are an NREMT EMT-Basic who has an expiration date of March 31, 2011, you must complete a transition course by March 31, 2015. If your expiration date is March 31, 2012, then you must complete a transition course by March 31, 2016. To transition to the EMT level, the NREMT-Basic is not required to complete a National EMS certification examination. Completion of a transition course is not necessary to maintain California EMT certification. This transition course is for maintaining NREMT only. Student must show proof of completion of ICS-100, ICS-700 and HAZMAT First Responder Awareness level training (or the equivalent to these courses) to receive a transition course completion certificate from Cuesta. Instructions for submitting proof of completion will be provided by your instructor.

Repeatable 1 time(s).

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**EMS 103 HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONAL 1.50**

1.50 hours per week: (1.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

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 time(s).

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**EMS 105 PARAMEDIC PREPARATORY 1.50**

1.50 hours per week: (1.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: EMS 105 and 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.

Corequisites: 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.

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**EMS 105L PARAMEDIC PREPARATORY LAB 0.50**

1.80 hours per week: (0.00 lecture hours/1.80 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: Current county EMT certificate; American Heart Association Healthcare Provider CPR or Red Cross Professional Rescuer card; Must be at least 18 years of age on the first day of class.

Corequisites: EMS 105

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, Police 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 a call.

[Click for Course Student Learning Outcomes](#)

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**EMS 107A ADVANCED CARDIAC LIFE SUPPORT 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: Current CPR for Health Care Providers Certificate AND NRAD 204D or Must be a licensed MD, RN, Physician Assistant or Paramedic with prior ECG knowledge.

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.

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**EMS 107B PEDIATRIC ADVANCED LIFE SUPPORT 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: Current CPR for Health Care Providers Certificate AND NRAD 204D or Must be a licensed MD, RN, Physician Assistant or Paramedic with prior ECG knowledge.

Teaches Pediatric Advanced Life Support knowledge and skills necessary to provide the appropriate early treatment for pediatric emergencies. Based on current American Heart Association guidelines.

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**EMS 107C PREHOSPITAL TRAUMA LIFE SUPPORT 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: Must be a licensed Emergency Medical Responder, EMT, Paramedic, RN, Physician Assistant, or Physician. Military healthcare providers are also welcomed.

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.

[Click for Course Student Learning Outcomes](#)

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**EMS 193 EMERGENCY MEDICAL SERVICES SPECIAL TOPIC 0.50 to 4.00**

1.50 -12.00 hours per week: (0.00 lecture hours/1.50 -12.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**EMS 201 EMERGENCY MEDICAL TECHNICIAN 8.50**

9.50 hours per week: (8.00 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Student must be 18 years of age by the first class meeting. Have a current Healthcare Provider or Professional Rescuer CPR card

Advisories: NRAD 222 and ENGL 156

Meets the U.S. Department of Transportation Emergency Medical Technician (EMT) National Standard Curriculum for students desiring 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*

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**EMS 210 PARAMEDIC THEORY I 17.00**

*(Formerly EMS106)*

*18.00 hours per week: ( 16.50 lecture hours/1.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: Admission into Paramedic Program*

Apply knowledge of anatomy and physiology relevant to paramedic advanced life support training for emergency medical services. This includes cardiovascular, respiratory, pediatric, OB/GYN, and other emergency medical service training. Providing professional, non-discriminatory care for all people in their time of crisis. Perform as an EMS public servant Paramedic showing competency, ethical, confident entry-level healthcare. This course meets the minimum hours required to complete paramedic training in the state of California. Course content 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.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**EMS 211 PARAMEDIC THEORY II 5.00**

*(Formerly EMS107)*

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: EMS 210*

*Corequisites: EMS 211L and EMS 212 and EMS 213A*

Apply knowledge of anatomy and physiology relevant to paramedic advanced life support training for emergency medical services. The study of medical diseases and traumatic related injuries for Paramedic training which meets the requirements of the National Standard Curriculum. Includes ACLS, PALS, and PHTLS training and certification. Providing professional, non-discriminatory care for all people in their time of crisis. Perform as an EMS public servant Paramedic showing competency, ethical, confident entry-level healthcare. This course meets the minimum hours required to complete paramedic training in the state of California. Course content 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.

*Transfer: CSU*

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**EMS 211L PARAMEDIC SKILLS 1.50**

*4.50 hours per week: (0.00 lecture hours/4.50 lab hours)*

*Credit - Degree Applicable*

*P/NP Only*

*Corequisites: EMS 211: and EMS 212 and EMS 213A*

Apply knowledge of anatomy and physiology relevant to paramedic advanced life support training for emergency medical services. This includes cardiovascular, respiratory, traumatic injuries, pediatric, OB/GYN, and other emergency medical service training. This lab portion provides supervised application of cognitive knowledge and skills in acute patient care.

*Transfer: CSU*

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**EMS 212 PARAMEDIC CLINICAL 3.50**

*(Formerly EMS107L)*

*10.50 hours per week: (0.00 lecture hours/ 10.50 lab hours)*

*Credit - Degree Applicable*

*P/NP Only*

*Corequisites: EMS 211 and EMS 211L and EMS 213A*

Provide clinical application of advance life support concepts in acute patient care for the Paramedic Student. Opportunities for increasing skill performance in the clinical (hospital) setting. This course meets the minimum hours required to complete paramedic training in the state of California. Course content 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.

*Transfer: CSU*

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**EMS 213A PARAMEDIC INTERNSHIP I 2.00**

*(Formerly EMS108A)*

*6.00 hours per week: (0.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*P/NP Only*

*Corequisites: EMS 211 and EMS 211L and EMS 212*

Apply the internship 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. This includes cardiovascular, respiratory, traumatic injuries, pediatric, OB/GYN, and other emergency medical service training. This portion of paramedic training provides supervised application of cognitive knowledge and skills in acute patient care. EMS 213A and EMS 213B meet the minimum hours for required to complete paramedic internship training in the state of California. Course content 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.

*Transfer: CSU*

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**EMS 213B PARAMEDIC INTERNSHIP II 7.00**

*(Formerly EMS108B)*

*21.00 hours per week: (0.00 lecture hours/ 21.00 lab hours)*

*Credit - Degree Applicable*

*P/NP Only*

*Prerequisites: EMS 213A*

Apply the last internship 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. This includes cardiovascular, respiratory, traumatic injuries, pediatric, OB/GYN, and other emergency medical service training. This portion of paramedic training provides supervised application of cognitive knowledge and skills in acute patient care. EMS 213A and EMS 213B meet the minimum internship hours required to complete paramedic training in the state of California. Course content based on the guidelines and authority of the Title 22, Division 9, of the California Code of Regulations and the US Department of Transportation Emergency Medical Technician-Paramedic Standard National Curriculum.

*Transfer: CSU*

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## EMERITUS COLLEGE

### ECOL 406 COMPOSING YOUR LIFE STORY 0

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Presents the process of ordering and developing chronologically a personal history, including introductory genealogical research and preservation of family historical materials.

This course is designed for adults over 50.

*Repeatable.*

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### ECOL 408 BEGINNING MUSIC ARTS FOR SENIORS 0

*0.50 hours per week: (0.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Develops critical listening ability and enriches musical experiences with the study of style, intonation, and lyrical content of musical selections. Attendance at concerts and preliminary and follow-up discussions help students to become more critical listeners.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 411 CREATIVE WRITING FOR SENIORS 0

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Introduces the writing of creative nonfiction, plays, poetry, OR short fiction. Students read and discuss published writing and workshop their own writing. This course is designed for adults over 50.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 412 BRAIN LONGEVITY: WAYS TO PRESERVE AND RESTORE MEMORY ADULTS 50+ 0

*0.50 hours per week: (0.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Designed for the adult 50+, this class will present information about brain longevity, including preventing and reversing memory loss effects of diet and physical and mental exercises; causes and treatments of Alzheimer's disease; and psychological approaches to memory preservation.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 414 DRAWING FOR ADULTS 50+ 0

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Presents basic skills of drawing with an opportunity to experience using pen and ink, charcoal, conte crayon. This course is designed for adults over 50.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 417 LAWS AND PROGRAMS AFFECTING ADULTS 50+ 0

*0.50 hours per week: (0.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Designed for the adult 50+, this class will presents information about laws and programs affecting older citizens such as Medicare, Medi-Cal, SSI; energy, nutrition, transportation; legal assistance; education and recreation; veterans' benefits; home health and day care.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 418 ADVENTURES IN READING FOR ADULTS 50+ 0

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Presents a guided reading of a particular literary genre-- short story, poetry, novel, drama, including analysis and discussion, historical and biographical information about the writer. This course is designed for adults over 50.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 420 FINANCE: WILLS AND TRUSTS 0

*1.00 hours per week: (1.00 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Presents the pros and cons of wills and trusts, the process of probate, the types of trusts and of powers of attorney. Students find out what they need to know to make informed estate-planning decisions. This course is designed for adults over 50.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

### ECOL 421 GREAT LITERATURE: SELECTED READING 0

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Presents a guided reading of a selected great work of literature such as Dante's Inferno or Virgil's Aeneid or a play by William Shakespeare. Reading selection changes each session. Discussion of theme, setting, characterization occurs in class; in addition, students read aloud portions of the work and learn about the historical and cultural context of its writing. This course is designed for adults over 50.

*Repeatable.*

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### ECOL 423 ART: WATERCOLOR 0

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Introduces the fundamentals of watercolor. Planning and preparation, color mixing and theory, design and composition, perspective are included. Several painting techniques

and criteria for evaluation are taught as students create and critique their work. This course is designed for adults over 50.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ECOL 424 ART: PAINTING/OIL PAINTING 0**

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Presents theories of color mixing and composition, and the process of critiquing. Students create a piece of work in oil or acrylic. This course is designed for adults over 50.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ECOL 425 ART HISTORY 0**

*1.00 hours per week: (1.00 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Presents an overview of art emphasizing historical development and cultural influences. Discussion and evaluation of works may center on a particular period or type of art such as modernism or impressionism or folk art, or may be a more general presentation spanning several centuries. This course is designed for adults over 50.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ECOL 427 CREATIVE COOKING AND HEALTH EATING FOR ADULTS 50+ 0**

*1.00 hours per week: (1.00 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Designed for the adult 50+, this class present healthy food and cooking choices that maintain optimum health for active older adults. Students learn basic concepts of nutrition as well as how to prepare tasty, flavorful and nutritious meals based on those concepts, using fresh food from local markets.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ECOL 428 FILM APPRECIATION 0**

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Studies major films to consider historical context, dramatic issues, artistic and technical objectives, and the process and elements of filmmaking. This course is designed for adults over 50.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ECOL 429 PHOTOGRAPHY: EQUIPMENT AND TECHNIQUES FOR ADULTS 50+ 0**

*1.00 hours per week: (1.00 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Designed for the adult 50+, this class presents camera choices, in particular digital cameras; camera use; photo quality, including setting, composition and light; downloading, storing and sharing images; and documenting life events and travel.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ECOL 433 SENIOR SEMINAR FOR ADULT 50+ 0**

*1.00 hours per week: (1.00 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Discover the influences and connections between ideas, values and concepts on a variety of topics of interest to the older adult. In a setting that encourages dialogue and interaction this class covers topics in areas such as, health, culture, philosophy, psychology, literature, current events, science and history. Students are encouraged to share and compare life experiences and learn about international, national and/or local events and issues.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ECOL 434 EXPLORATION IN ART FOR ADULTS 50+ 0**

*1.50 hours per week: (0.00 lecture hours/1.50 lab hours)*

*Noncredit*

*Non-credit Course*

Designed for adults 50+, this class encourages art appreciation, self-expression and creativity in a variety of art media. Projects give students experience with different creative traditional artistic methods and artistic design techniques, tools and material.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ECOL 439 COMPUTER BASICS FOR OLDER ADULTS 50+ 0**

*1.50 hours per week: (1.50 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Designed for the adult 50+, this course introduces computer basics including machine functions, keyboard use, fundamental word processing, email and web browsing.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ECOL 470 ADAPTED EXERCISE FOR FRAIL OLDER ADULTS 0**

*2.00 hours per week: (0.00 lecture hours/2.00 lab hours)*

*Noncredit*

*Non-credit Course*

Designed for the maintenance of the physical and mental well-being of the frail older adult, this course is geared to increasing strength, range of motion/flexibility, balance, agility, eye/hand and foot coordination, enhancing the circulatory system and increasing mental alertness of the older adult. Techniques are adapted to meet the needs of older adults at their various fitness levels and functional capacities.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ECOL 471 MUSIC ARTS FOR FRAIL OLDER ADULTS 0**

*2.00 hours per week: (0.00 lecture hours/2.00 lab hours)*

*Noncredit*

*Non-credit Course*

Designed for the frail older adult, this course encourages appreciation of music from different time periods and genres. Through active participation in discussions, musical reminiscence, sing-along and rhythmic activities the older adult student will be exposed to a variety of music.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ECOL 472 CREATIVE ARTS FOR FRAIL OLDER ADULTS 0**

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)

Noncredit

Non-credit Course

Designed for the frail older adult, this course provides physical and mental stimulation through a variety of art media. Projects encourage art expression and appreciation through art in artistic design, artistic methods, techniques, tools and materials. Eye-hand (fine motor) coordination will be utilized to develop, stimulate and enhance psycho-motor, perceptual, and cognitive skills.

Repeatable.

[Click for Course Student Learning Outcomes](#)

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**ECOL 473 FUN WITH FOOD FOR FRAIL OLDER ADULTS 0**

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)

Noncredit

Non-credit Course

Designed for the frail older adult, this course offers a large variety of food preparation topics related to the health and well being of the older adult. Diverse topics of interest such as nutrition, consumerism, cultural traditions, entertaining, health and safety will be discussed.

Repeatable.

[Click for Course Student Learning Outcomes](#)

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**ECOL 474 REMINISCING FOR FRAIL OLDER ADULTS 0**

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)

Noncredit

Non-credit Course

Presents to frail older adults various topics as a basis for reminiscing about their life experiences and for recalling cultural and historical events that marked their lives.

Repeatable.

[Click for Course Student Learning Outcomes](#)

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## ENGINEERING

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**ENGR 193 ENGINEERING SPECIAL TOPIC 0.50 to 4.00**

0.50 - 4.00 hours per week: (0.50 - 4.00 lecture hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

[Click for Course Student Learning Outcomes](#)

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**ENGR 201 PLANE SURVEYING 3.00**

(Formerly CTCH201)

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: MATH 229 or MATH 231

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

[Click for Course Student Learning Outcomes](#)

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**ENGR 210 COMPUTATIONAL METHODS FOR ENGINEERS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 265A

Advisories: PHYS 205A or PHYS 208A

Methodology and techniques for solving engineering/science problems using numerical-analysis computer-application programs MATLAB and EXCEL. Technical computing and visualization of problems in mechanics, electrical circuits, thermal systems, fluid systems and other branches of engineering.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ENGR 217 CIRCUIT ANALYSIS 4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: PHYS 208B and MATH 287

Analyze and measurement of electrical circuits. Use of analytical techniques based on the application of circuit laws and network theorems. Analysis of DC and AC circuits containing resistors, capacitors, inductors, dependent sources, operational amplifiers, and/or switches. Natural and forced responses of first and second order RLC circuits; the use of phasors; AC power calculations; power transfer; and energy concepts.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ENGR 226 ENGINEERING DRAWING 4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Introduces engineering drawing using AutoCAD (2D) and Solidworks (3D). Topics include geometric construction, orthographic projection, isometrics, sectionals, auxiliaries, descriptive geometry, fasteners, dimensioning and tolerances, working drawings, and the engineering design process.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ENGR 228 DETAILED DESIGN WITH SOLIDWORKS 3.00**

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ENGR 226 with a minimum grade of C or better

Drawing parts and assemblies with solid modeling using SOLIDWORKS. Techniques of advanced communication including weld symbols, threaded fasteners, dimensioning and tolerancing. Creation of design layouts and part models with varied configurations and dynamic assembly models. Introduction to section mass and inertia properties.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**ENGR 246 MATERIALS ENGINEERING 2.00**

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: CHEM 201A and MATH 265A

Corequisites: ENGR 246L

Presents the fundamentals of the structure of matter.

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Introduces physical and mechanical properties of materials including metals, alloys, ceramics, semi-conductors, and polymers. Provides a study of heat treatments, materials selection, corrosion phenomena, and equilibrium diagrams.  
*Transfer: CSU; UC*

[Click for Course Student Learning Outcomes](#)

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**ENGR 246L ENGINEERING MATERIALS LAB 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Corequisites: ENGR 246*

Presents laboratory experiments on the heat treatment and resulting proper ties of metals, effects of cold deformation of metals, brittle-ductile fracture behavior, equilibrium phase relationships, corrosion, mechanical behavior of polymers, as well as properties of semiconductor devices.  
*Transfer: CSU; UC*

[Click for Course Student Learning Outcomes](#)

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**ENGR 247 INDEPENDENT STUDIES: ENGINEERING 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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 engineering area with support and direction from an instructor.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**ENGR 248 INTRODUCTION TO ENGINEERING 2.00**

*4.00 hours per week: (1.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: ENGL 156*

Explores the branches of engineering, the functions of an engineer, and the industries in which engineers work. Explains the engineering education pathways and explores effective strategies for students to reach their full academic potential. Presents an introduction to the methods and tools of engineering problem solving and design including the interface of the engineer with society and engineering ethics. Develops communication skills pertinent to the engineering profession. Explores various topics in how things work.

*Transfer: CSU; UC*

[Click for Course Student Learning Outcomes](#)

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**ENGR 250 ENGINEERING STATICS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: PHYS 208A*

Analyzes forces on structures in equilibrium, properties of forces, moments, couples and resultant, conditions for equilibrium, friction, centroids, and area moments of inertia. Introduces mathematical modeling and problem-solving utilizing vector mathematics.

*Transfer: CSU; UC*

[Click for Course Student Learning Outcomes](#)

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**ENGR 251 ENGINEERING DYNAMICS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: ENGR 250*

Analyzes the dynamics associated with motion of rigid bodies and particles, including velocity, acceleration, relative motion, energy, work, momentum, and impulse. Utilizes vector mathematics.

*Transfer: CSU; UC*

[Click for Course Student Learning Outcomes](#)

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**ENGR 252A STRENGTH OF MATERIALS I 2.00**

*2.00 hours per week: (2.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: ENGR 250*

Study of stresses, strains, and deformations associated with axial, torsional, and flexural loading of bars, shafts, and beams. Includes analysis of elementary determinate and indeterminate mechanical and structural systems.

*Transfer: CSU; UC*

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**ENGR 252B STRENGTH OF MATERIALS II 2.00**

*2.00 hours per week: (2.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: ENGR 252A*

Study of stress and strain transformations, analysis of beam deflection and rotation, indeterminate beams, and column buckling. Prerequisite: ENGR 252A.

*Transfer: CSU; UC (For UC, both ENGR 252A and 252B must be completed in order to receive transfer units).*

[Click for Course Student Learning Outcomes](#)

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**ENGLISH**

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**ENGL 099 BASIC READING AND WRITING 4.00**

*4.00 hours per week: (4.00 lecture hours/0.00 lab hours)*

*Credit - Not Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: CSS 080 and ACSI 050 or CSS 085 or ESL 054 or Qualifying score on the ENGL placement test*

Introduces students to reading, writing, and critical thinking. Provides a basic course in paragraph and essay composition with students reading and writing both in class and out of class. Provides limited introduction to employment of sentence variety and recognition of some essential grammar and punctuation errors and rules. Emphasizes the process approach to reading and writing.

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**ENGL 156 COLLEGE READING AND WRITING 4.00**

*4.00 hours per week: (4.00 lecture hours/0.00 lab hours)*

*Credit - Not Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Placement Exam or ENGL 099 or ESL 099E*

Provides a basic course in college reading and writing with individual attention to sentence structure, paragraph and essay structure, grammar, and critical thinking skills.

[Click for Course Student Learning Outcomes](#)

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**ENGL 193 ENGLISH SPECIAL TOPICS 0.50 to 4.00**

1.50 -12.00 hours per week: (0.00 lecture hours/1.50 -12.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**ENGL 201A ENGLISH COMPOSITION 4.00**

4.00 hours per week: (4.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Placement exam or ENGL 156

Provides a study of and practice in the use of language and writing of argumentative/analytical essays and research papers.

Transfer: CSU; UC

C-ID ENGL 100

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**ENGL 201B COMPOSITION: INTRODUCTION TO LITERATURE/CRITICAL THINKING 4.00**

4.00 hours per week: (4.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ENGL 201A

Provides an introduction to the study of literature with an emphasis in 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

C-ID ENGL 110

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**ENGL 201C ENGLISH COMPOSITION: CRITICAL THINKING 4.00**

4.00 hours per week: (4.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ENGL 201A

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

C-ID ENGL 105

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**ENGL 205 INTRODUCTION TO POETRY 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ENGL 201A

Introduces students to the formal and stylistic elements of poetry, providing them with a shared vocabulary for recognizing and analyzing different literary forms, and developing their reading, writing, and critical discussion skills by analyzing exemplary texts from a variety of historical periods, genres, and cultures.

Transfer: CSU; UC

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**ENGL 206 INTRODUCTION TO THE NOVEL 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: ENGL 201A

Advisories: 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

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**ENGL 212A AMERICAN LITERATURE 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ENGL 201A

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

C-ID ENGL 130

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**ENGL 212B AMERICAN LITERATURE 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ENGL 201A

The study of major American 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

C-ID ENGL 135

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**ENGL 213 MULTICULTURAL VOICES IN AMERICAN LITERATURE 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ENGL 201A

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

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**ENGL 215 SHAKESPEARE 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ENGL 201A

Introduces Shakespeare's works with emphasis on analysis

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of character and structured scene and requires preparation of critical papers based on analytical reading and investigation.

*Transfer: CSU; UC*

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**ENGL 216 LITERATURE AND FILM 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: ENGL 201A*

Introduces students to formal methods for analyzing literature and film, providing them with a discipline-specific vocabulary, teaching them a variety of interpretive strategies and theories, and developing their skills in critical thinking during reading/viewing, class discussion, panel presentation, formal exam, and essay activities. Reading and film texts will represent a variety of genres, cultures, historical periods, and theoretical perspectives.

*Transfer: CSU; UC*

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**ENGL 217 WOMEN AND GENDER IN LITERATURE 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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. Writers covered may include Phillis Wheatley, Anne Bradstreet, Mary Wollstonecraft, Charlotte Bronte, Harriet Beecher Stowe, Kate Chopin, Willa Cather, Gertrude Stein, Virginia Woolf, Zora Neale Hurston, Anne Sexton, Maya Angelou, Doris Lessing, Adrienne Rich, Maxine Hong Kingston, Sylvia Plath, Audre Lorde, Alice Walker, Louise Erdrich, and Gloria Anzaldua.

*Transfer: CSU; UC*

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**ENGL 231 CREATIVE WRITING 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: ENGL 201A*

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*

*C-ID ENGL 200*

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**ENGL 237 INTRODUCTION TO FILM STUDIES AND AESTHETICS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Introduces the close analysis of films ranging from the era of silent film to contemporary times. By examining the form, content, aesthetics, and meaning of a diverse series of films, students will be able to identify the historical and

cultural significance of this art form. Topics include critical analysis of the function of visual design, editing, sound, genre forms, and ideology in a variety of narrative and non-narrative films produced by key filmmakers in cinema history.

*Transfer: CSU; UC*

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**ENGL 245A SURVEY OF WORLD LITERATURE 1 3.00**

*(Formerly ENGL244A)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: ENGL 201A*

Focuses on a comparative study of selected works, in translation and in English, of literature from around the world, including Europe, the Middle East, Asia, and other areas, from antiquity to the mid or late seventeenth century; May include such readings as The Epic of Gilgamesh, the Odyssey, excerpts from the Old Testament, excerpts from the Koran, Lysistrata, Allegory of the Cave, the Aeneid, Marcus Aurelius's Meditations, the Inferno, the Canterbury Tales, and Don Quixote.

*Transfer: CSU; UC*

*C-ID ENGL 140*

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**ENGL 245B SURVEY OF WORLD LITERATURE 2 3.00**

*(Formerly ENGL244B)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: ENGL 201A*

Focuses on a comparative study of selected works, in translation and in English, of literature from around the world, including Europe, the Middle East, Asia, South America, and other areas, from the mid or late seventeenth century to the present. May include readings from Rousseau, Johnson, Swift, the English Romantics, Hawthorne, Whitman, Dickinson, Chekhov, Tolstoy, Conrad, Kafka, Hughes, Baldwin, Stevens, Eliot, Woolf, Mishima, Neruda, Borges, Rushdie, Soyinka, and Silko.

*Transfer: CSU; UC*

*C-ID ENGL 145*

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**ENGL 246A SURVEY OF BRITISH LITERATURE 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: ENGL 201A*

Presents a survey of British literature from the Middle Ages through the 18th century. Introduces the study of significant British writers and texts against their historical backgrounds. Such writers as Margery Kempe, Julian of Norwich, Chaucer, Spenser, Shakespeare, Barbauld, Queen Elizabeth I, Donne, Milton, Swift, Pope, Montagu, Haywood, Johnson, and Austen will be studied.

*Transfer: CSU; UC*

*C-ID ENGL 160*

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**ENGL 246B SURVEY OF BRITISH LITERATURE 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ENGL 201A

Presents a survey of major British writers extending from the Romantic Period through the 20th century, focusing on such writers as William and Dorothy Wordsworth, Anna Letitia Barbauld, Olaudah Equiano, Mary and Percy Shelley, John Keats, Elizabeth Barrett Browning, Matthew Arnold, Elizabeth Gaskell, W. B. Yeats, T. S. Eliot, D. H. Lawrence, James Joyce, and Virginia Woolf.

Transfer: CSU; UC

C-ID ENGL 165

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**ENGL 247 INDEPENDENT STUDIES: ENGLISH 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

P/NP Only,

Letter Grade Only

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

Transfer: CSU; UC

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## ENGLISH AS A SECOND LANGUAGE

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**ESL 025B INTERMEDIATE LEVEL CONVERSATION 2.00 to 3.00**

2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Not Degree Applicable

P/NP Only

Advisories: 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 Passing grade.

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, 035B or 035C.

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**ESL 025C INTERMEDIATE LEVEL CONVERSATION 2.00 to 3.00**

2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Not Degree Applicable

P/NP Only

Advisories: 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 Passing grade.

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, 035B or 035C.

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**ESL 035B ADVANCED LEVEL CONVERSATION 2.00 to 3.00**

2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Not Degree Applicable

P/NP Only

Advisories: 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 Passing grade.

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.

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**ESL 035C ADVANCED LEVEL CONVERSATION 2.00 to 3.00**

2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Not Degree Applicable

P/NP Only

Advisories: 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 Passing grade.

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.

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**ESL 037 ACADEMIC LISTENING AND SPEAKING 2.00 to 3.00**

2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Not Degree Applicable

P/NP Only

Advisories: Passing grade in ESL 035A, ESL 035B, or ESL 035C or placement into ESL 099E

Focuses on developing academic listening comprehension and speaking skills that are required in college courses and academic settings. May be taken concurrently with ESL 047 and ESL 099E or ESL 100E.

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**ESL 043 INTERMEDIATE GRAMMAR 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Advisories: ESL 002 with a grade of Pass or a qualifying score on ESL placement assessment

Focuses on building English language skills for speakers of other languages with an emphasis on grammar at the intermediate level. Provides instruction in present, past, and future tenses. Prepares students for ESL 044. May be taken concurrently with ESL 053, ESL 025A, 025B, or 025C.

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**ESL 044 HIGH-INTERMEDIATE GRAMMAR 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Advisories: ESL 043 with a grade of C or better or a qualifying score on ESL placement assessment

Focuses on building English language skills for speakers of other languages with an emphasis on grammar at the high-intermediate level. Provides instruction in present perfect, gerunds and infinitives, adjective clauses, and active vs. passive voice. May be taken concurrently with ESL 054, ESL 035A, 035B, or 035C.

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**ESL 047 ADVANCED GRAMMAR 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Prerequisites: Qualifying score on the ESL placement test

Advisories: ESL 044 and/or ESL 054

Focuses on building English language skills for speakers of other languages with an emphasis on advanced grammatical structures. Provides instruction in verb forms, verb

tenses, modals, noun clauses, and conditional sentences. Prepares students for transfer level coursework. May be taken concurrently with ESL 99E or ESL 100, and/or ESL 037.

[Click for Course Student Learning Outcomes](#)

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**ESL 053 INTERMEDIATE READING AND WRITING 4.00 to 6.00**

4.00 - 6.00 hours per week: (4.00 - 6.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Advisories: ESL 002 with a grade of C or better or a qualifying score on the ESL placement test

Focuses on building English language skills for speakers of other languages with an emphasis on reading and writing at the intermediate level. Provides instruction in sentence and paragraph writing. Introduces reading comprehension skills and strategies. This course prepares students for ESL 054. May be taken concurrently with ESL 043, ESL 025A, 025B, or 025C.

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**ESL 054 HIGH-INTERMEDIATE READING AND WRITING 4.00 to 6.00**

(Formerly ESL006A, ESL006)

4.00 - 6.00 hours per week: (4.00 - 6.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Advisories: ESL 053 with a C or better or a qualifying score on the ESL placement test.

Focuses on building English language skills for speakers of other languages with an emphasis on reading and writing at the high-intermediate level. Provides instruction in paragraph writing. Develops reading comprehension skills and strategies. This course prepares students for ESL 099E. May be taken concurrently with ESL 044, ESL 035A, 035B, or 035C.

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**ESL 099E ADVANCED READING AND WRITING 4.00 to 6.00**

4.00 - 6.00 hours per week: (4.00 - 6.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Advisories: ESL 054 or qualifying score on the ESL or English placement test.

Focuses on building English language skills for speakers of other languages with an emphasis on reading, writing, and critical thinking at the advanced level. Provides instruction in essay writing and academic reading. This course prepares students for English 156. May be taken concurrently with ESL 044, ESL 035A, 035B, or 035C.

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**ESL 193 ENGLISH AS A SECOND LANGUAGE SPECIAL TOPIC 0.50 to 4.00**

0.00 - 0.00 hours per week: (0.00 - 0.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**ESL 701 INTRODUCTION TO LITERACY 0 to 0**

4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 lab hours)

Noncredit

P/NP Only,

Non-credit Course

Develops students' English literacy and study skills at the

introductory literacy level. Focuses on basic language necessary to function successfully in everyday situations.

Repeatable.

[Click for Course Student Learning Outcomes](#)

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**ESL 702 LITERACY 0 to 0**

4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 lab hours)

Noncredit

P/NP Only,

Non-credit Course

Prerequisites: ESL 701 or ESL placement test

Develops students' English literacy and study skills at the beginning literacy level. Builds basic reading, writing, listening and speaking skills.

Repeatable.

[Click for Course Student Learning Outcomes](#)

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**ESL 703 BEGINNING-LOW INTEGRATED SKILLS 0 to 0**

4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 lab hours)

Noncredit

P/NP Only,

Non-credit Course

Prerequisites: ESL 702 or ESL placement test

Develops reading, writing, listening and speaking skills at the low-beginning level.

Repeatable.

[Click for Course Student Learning Outcomes](#)

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**ESL 704 BEGINNING-HIGH INTEGRATED SKILLS 0 to 0**

4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 - 0.00 lab hours)

Noncredit

Non-credit Course

Prerequisites: ESL 703 or ESL Placement test

Develops reading, writing, listening and speaking skills at the beginning-high level.

Repeatable.

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**ESL 705 INTERMEDIATE INTEGRATED SKILLS 0 to 0**

4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 - 0.00 lab hours)

Noncredit

Non-credit Course

P/NP Only

Advisories: ESL 704 with a minimum grade of P or better ESL placement test

Develops reading, writing, listening and speaking skills at the intermediate level.

Repeatable.

[Click for Course Student Learning Outcomes](#)

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**ESL 706 HIGH-INTERMEDIATE INTEGRATED SKILLS 0 to 0**

4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 - 0.00 lab hours)

Noncredit

P/NP Only,

Non-credit Course

Advisories: ESL 705 with a minimum grade of P or better ESL Placement Test

Develops English reading, writing, listening and speaking skills at the high-intermediate level.

Repeatable.

[Click for Course Student Learning Outcomes](#)

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**ESL 707 U. S. CITIZENSHIP 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Noncredit

Non-credit Course



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.*

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**ESL 709 NONCREDIT ESL PROGRAM ORIENTATION 0**

*0.17 hours per week: (0.17 lecture hours/0.00 lab hours)*

*Noncredit*

*Non-credit Course*

Orients students to the Noncredit English-as-a-Second Language program and overview of educational options. Includes assessing skills for the program and review of student support services.

[Click for Course Student Learning Outcomes](#)

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**ESL 725 ESL CONVERSATION, INTERMEDIATE 0 to 0**

*(Formerly ESL025A)*

*2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)*

*Noncredit*

*P/NP Only,*

*Non-credit Course*

*Advisories: ESL 704 or qualifying score on the ESL placement test*

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 (formerly ESL 025). Prepares students for ESL 735. May be taken concurrently with ESL 705 or ESL 706.

*Repeatable.*

[Click for Course Student Learning Outcomes](#)

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**ESL 735 ESL CONVERSATION, HIGH INTERMEDIATE 0 to 0**

*(Formerly ESL035A)*

*2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)*

*Noncredit*

*P/NP Only,*

*Non-credit Course*

*Advisories: ESL 725 or qualifying score on the ESL placement test*

Focuses on communication skills in listening comprehension and speaking for speakers of other languages and enables the high-intermediate level student to function in academic, professional and everyday English-speaking situations (formerly ESL 035). May be taken concurrently with ESL 705 or ESL 706.

*Repeatable.*

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## FILM TELEVISION AND ELECTRONIC MEDIA

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**FTVE 101 SURVEY OF MOTION PICTURE AND TELEVISION PRODUCTION 1.00**

*(Formerly WEXP193Q, WEXP142)*

*2.00 hours per week: (0.50 lecture hours/1.50 lab hours)*

*Credit - Not Degree Applicable*

*P/NP Only*

Presents a basic overview of electronic filmmaking and television production in a hands-on environment, with an emphasis on the foundational knowledge and skills required for a basic entry level position.

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**FTVE 193 FILM, TELEVISION AND ELECTRONIC MEDIA SPECIAL TOPIC 0.50 to 4.00**

*(Formerly BCST193)*

*1.50 - 12.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 12.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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**FTVE 212 BEGINNING RADIO PRODUCTION 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

Explores basic editing techniques in radio production. Students will gain a basic understanding of beginning radio production. This includes the use of microphones, audio editing software, digital audio production, radio program formats, basic broadcast writing and announcing skills needed to professionally produce audio programs, soundtracks, and voice overs.

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**FTVE 221 INTRODUCTION TO ELECTRONIC MEDIA 3.00**

*(Formerly BCST221)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: ENGL 156*

Presents the history, structure, function, economics, content and evolution of radio, television, film, the Internet, and new media, including preexisting formats, social, political, regulatory, ethical and occupational impact of the electronic media with cross-cultural and international comparisons. Topics covered include technological development, programming, ratings, social, legal and economic aspects of electronic media in America with cross-cultural, international comparisons.

*Transfer: CSU; UC*

[Click for Course Student Learning Outcomes](#)

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**FTVE 223 VIDEO OPERATIONS 3.00**

*(Formerly BCST223)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: 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*

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**FTVE 224A AUDIO PRODUCTION 3.00**

*(Formerly BCST224A)*

*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

Introduces the theory and practice of audio production for radio, television, film and digital recording applications. Students will learn the fundamentals of sound design and aesthetics, microphone use, and digital recording equipment.

Students gain hands on experience recording, editing, mixing and mastering audio. Upon completion, students will have basic knowledge of applied audio concepts, production workflow, equipment functions, and audio editing software.

*Transfer: CSU*

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**FTVE 225A VIDEO STUDIO PRODUCTION 3.00**

*(Formerly BCST225A)*

*7.00 hours per week: (1.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: FTVE 223*

Presents an introduction to the theory, terminology and operation of a multi-camera television studio and control room. Topics include directing, theory and operation of camera and audio equipment, studio signal flow, switcher operation, fundamentals of lighting, graphics, video control and video recording and real-time video production.

*Transfer: CSU*

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**FTVE 225B SINGLE CAMERA TV PRODUCTION AND EDITING 3.00**

*(Formerly BCST225B)*

*7.00 hours per week: (1.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: FTVE 223 completion or concurrent enrollment*

Provides an introduction to the theory, terminology, and operation of single camera video production including composition, editing techniques, camera operation, portable lighting, video recording, audio control, basic editing, and graphics; includes the aesthetics and fundamentals of scripting, producing, and directing on location, postproduction, and exhibition/distribution.

*Transfer: CSU*

*C-ID FTVE 130*

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**FTVE 226 WRITING FOR ELECTRONIC MEDIA 3.00**

*(Formerly BCST226)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: ENGL 201A*

Presents an introduction to writing for film and electronic media. Emphasis on preparing scripts in proper formats, including fundamental technical, conceptual and stylistic issues related to writing fiction and non-fiction scripts for informational and entertainment purposes in film and electronic media. Includes a writing evaluation component as a significant part of the course requirement.

*Transfer: CSU*

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**FTVE 227 PRINCIPLES OF RADIO BROADCAST PERFORMANCE 0.50 to 3.00**

*(Formerly BCST227)*

*0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 - 0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

Explores 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.

*Transfer: CSU*

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**FTVE 230A AUDIO/VIDEO INTERNSHIP 3.00**

*(Formerly BCST230A)*

*9.00 hours per week: (0.00 lecture hours/9.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: FTVE 224A or FTVE 225A or FTVE 225B and approval of production company*

Provides practical supervised work experience as a regular staff member in a local area media company. May include work in a local radio station, television station, cable company or marketing firm in audio and/or video production. Only students who have been given permission from the chair of the Film, Television, and Electronic Media department may be allowed to interview for the internship program.

*Transfer: CSU*

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**FTVE 247 INDEPENDENT STUDIES: FILM, TELEVISION AND ELECTRONIC MEDIA 0.50 to 2.00**

*(Formerly BCST247)*

*1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: 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 film, television, and electronic media under the direction of an instructor.

*Transfer: CSU*

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**FRENCH**

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**FR 110 BEGINNING FRENCH CONVERSATION AND READING 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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.

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**FR 120 FRENCH CONVERSATION AND READING 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: FR 110 or equivalent*

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.

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**FR 193 FRENCH SPECIAL TOPIC 0.50 to 4.00**

*0.00 - 0.00 hours per week: (0.00 lecture hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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**FR 201 FRENCH I 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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 French-speaking world are presented along with some of the most essential structures and vocabulary.

*Transfer: CSU; UC*

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**FR 202 FRENCH II 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: FR 201 or equivalent*

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*

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**FR 203 FRENCH III 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: FR 202 or equivalent*

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*

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**FR 247 INDEPENDENT STUDIES: FRENCH 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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.

*Transfer: CSU*

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## GEOGRAPHY

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**GEOG 201 PHYSICAL GEOGRAPHY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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**GEOG 202 CULTURAL GEOGRAPHY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

*C-ID GEOG 120*

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## GEOLOGY

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**GEO 193 GEOLOGY SPECIAL TOPIC 0.50 to 4.00**

*0.00 - 0.00 hours per week: (0.00 lecture hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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**GEO 193C GEOLOGIC FIELD TECHNIQUES 1.00**

*0 hours per week: (0.50 lecture hours/2.22 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

Investigate methods of field geologic mapping and data acquisition.

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**GEO 193D FIELD STUDIES IN GLOBAL WARMING 1.00**

*2.33 hours per week: (0.33 lecture hours/2.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Explores the principles of global warming as it relates to environmental changes. Data will be gathered on decreases in glacier size, increases in desert size, and changes in the health of coral reefs.

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**GEO 210 PHYSICAL GEOLOGY 4.00**

*6.00 hours per week: (3.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156 and MATH 123*

Introduces the principles of geology with emphasis on Earth

processes. Explores the evidence for the internal structure and origin of the Earth and the processes that change and shape it. Laboratory component focuses on the identification of rocks and minerals, topographic and geologic map interpretation to understand the work of water, wind, ice and gravity and the effects of tectonic and volcanic activity.

*Transfer: CSU; UC*

*C-ID GEOL 101*

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**GEOL 211 HISTORICAL GEOLOGY 4.00**

*6.00 hours per week: (3.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: MATH 123 and ENGL 156 and GEOL 210 or GEOL 220 or GEOL 212*

Presents the theory of the origin and evolution of the earth and its lifeforms; emphasizing global tectonics, methods of geologic dating, stratigraphy, paleontology, and paleogeography of North America.

*Transfer: CSU; UC*

*C-ID GEOL 111*

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**GEOL 212 ENVIRONMENTAL GEOLOGY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Studies aspects of geology as they relate to human interaction with the environment. Addresses relevant geological aspects of the environment and the problems caused by humans as they use the earth and its resources. Investigates geological processes including earthquakes, volcanoes, mass movements, floods, groundwater and climate change. Emphasis on geological viewpoints concerning waste disposal, pollution, energy resources, and mining. Lectures include strategies for mitigating these issues.

*Transfer: CSU; UC*

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**GEOL 220 GEOLOGY OF CALIFORNIA 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Introduces the principles of geology and the tectonic/geologic evolution of California. Emphasizes the processes responsible for shaping the environment including seismology, and volcanology, the fossil record, and the mineral/energy resources of the state.

*Transfer: CSU; UC*

*C-ID GEOL 200*

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**GEOL 225 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS 3.00**

*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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*

*C-ID GEOG 155*

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**GEOL 229A GEOLOGICAL SCIENCE FIELD STUDIES 1.00**

*2.72 hours per week: (0.50 lecture hours/2.22 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: GEOL 210 or 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*

[Click for Course Student Learning Outcomes](#)

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**GEOL 229B GEOLOGICAL SCIENCE FIELD STUDIES 1.00**

*2.72 hours per week: (0.50 lecture hours/2.22 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: GEOL 210 or 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*

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**GEOL 240 GEOLOGY TEACHING ASSISTANT 0.50 to 2.00**

*0.50 - 2.00 hours per week: (0.50 - 2.00 lecture hours/0.00 - 0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Instructor approval*

Prepares students to facilitate geology courses by developing tutorial skills, understanding of the learning process, and effectiveness as a teaching assistant.

*Transfer: CSU*

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**GERMAN**

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**GER 110 BEGINNING GERMAN CONVERSATION AND READING 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents an introduction to contemporary German with emphasis on basic vocabulary and pronunciation skills needed to converse in German, interpretive communication skills and awareness of the links between language and culture.

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**GER 120 GERMAN CONVERSATION AND READING 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: GER 110 or equivalent*

Presents a continuation of GER 110 with emphasis on interpersonal and interpretive communication skills, including reading strategies for authentic cultural material and expanding awareness of the relationship between language

and culture.

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**GER 193 GERMAN SPECIAL TOPIC 0.50 to 4.00**

*0.00 - 0.00 hours per week: (0.00 lecture hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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**GER 201 GERMAN I 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents a topic-centered introduction to contemporary German language and culture with emphasis on interpersonal, interpretive and presentational communication skills and awareness of the links between language and culture.

*Transfer: CSU; UC*

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**GER 202 GERMAN II 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: GER 201 or equivalent*

Presents a continuation of GER 201 with emphasis on interpersonal, interpretive and presentational communication skills, including reading strategies for authentic cultural material and expanding awareness of the relationship between language and culture.

*Transfer: CSU; UC*

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**GER 203 GERMAN III 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: GER 202 or equivalent*

Presents a continuation of GER 202 with further development of interpersonal, interpretive, and presentational communication skills and continued awareness of cultural implications of language use.

*Transfer: CSU; UC*

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**GER 204 GERMAN IV 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: GER 203 or equivalent*

Presents a continuation of GER 203 with emphasis on interpersonal, interpretive and presentational communication skills involving abstract topics and continued development of cultural knowledge and understanding based on social and historical context.

*Transfer: CSU; UC*

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**GER 247 INDEPENDENT STUDIES: GERMAN 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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 German under the direction of an instructor.

*Transfer: CSU; UC*

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## HEALTH EDUCATION

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**HEED 193 HEALTH EDUCATION SPECIAL TOPIC 0.50 to 4.00**

*0.00 hours per week: (0.00 lecture hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

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

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**HEED 202 HEALTH EDUCATION 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: Eligibility for ENGL 156*

Presents the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety.

*Transfer: CSU; UC*

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**HEED 203 WOMEN'S HEALTH ISSUES 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: Eligibility for ENGL 156*

Presents major health issues of special significance to women cross culturally. Emphasis will be placed on current trends in the prevention of chronic diseases and health disorders, the promotion of a positive body image, and self-empowerment. Identification of significant cultural obstacles of access for women's health care by non-dominant groups are presented. In addition, traditional, as well as, experiential and cooperative teaching/learning strategies will be used to explore the application of lifestyle changes to individual health beliefs and practices.

*Transfer: CSU; UC*

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**HEED 204 STANDARD FIRST AID AND CPR (CARDIOPULMONARY RESUSCITATION) 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Provides information and training in the immediate and temporary emergency care in case of accident or illness. The student will learn to assess a victim's condition and incorporate proper treatment. Standard first aid, C.P.R., and AED certificate examination(s) will be granted upon successful completion of requirements.

*Transfer: CSU; UC*

*C-ID KIN 101*

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**HEED 206 HEALTH ASPECTS OF DRUG USE 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Presents an in depth analysis of the major health problems associated with the use, misuse, and abuse of drugs including herbs/plants, performance enhancing, over-the-counter, prescription, controlled, and designer drugs. Emphasizes the metabolism of drugs, drug interactions, and addiction from various socio-cultural perspectives such as age, gender, and ethnicity.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**HEED 208 MULTICULTURAL HEALTH 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: Eligibility for ENGL 156

Examines the major health problems facing non-dominant/minority ethnic groups related to acculturation, assimilation, and biological variations. Various health beliefs systems, folk remedies, health practices, and attitudes toward health will be analyzed to promote prejudice reduction and understanding of cultural differences. A variety of non-traditional and experiential teaching/learning strategies will be used to examine alternative approaches to healthy lifestyles and to develop a personal health plan.

Transfer: CSU; UC

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**HEED 210 INTRODUCTION TO PUBLIC HEALTH 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: Eligibility for ENGL 156

Provides an introduction to the discipline of Public Health. Students will gain an understanding of the basic concepts and terminologies of public health, and the history and accomplishments of public health officials and agencies. An overview of the functions of various public health professions and institutions, and an in-depth examination of the core public health disciplines is covered. Topics of the discipline include the epidemiology of infectious and chronic disease; prevention and control of diseases in the community including the analysis of the social determinants of health and strategies for eliminating disease, illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; and healthcare policy and management.

Transfer: CSU

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**HIGH SCHOOL PROGRAM**

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**HSD 404 HSD NON-CREDIT BASIC SKILLS, BIOLOGY 0**

(Formerly BIO401)

8.00 hours per week: (6.00 lecture hours/2.00 lab hours)

Noncredit

Letter Grade or P/NP

-Designed to inculcate the student with the living world and its systems. Introduces concepts of Cell Biology, Genetics,

Evolution and Physiology will be presented. This is an elective course towards a high school diploma.

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**HSD 406 HSD NON-CREDIT BASIC SKILLS ECONOMICS 0**

(Formerly ECON401)

4.00 hours per week: (3.00 lecture hours/1.00 lab hours)

Noncredit

Letter Grade or P/NP

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.

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**HSD 407 HSD NON-CREDIT BASIC SKILLS WORLD HISTORY 0**

(Formerly HIST401)

8.00 hours per week: (6.00 lecture hours/2.00 lab hours)

Noncredit

Letter Grade or P/NP

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.

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**HSD 408 HSD NON-CREDIT BASIC SKILLS U.S. HISTORY 0**

(Formerly HIST402)

8.00 hours per week: (6.00 lecture hours/2.00 lab hours)

Noncredit

Letter Grade or P/NP

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 coun-

tries. 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.  
[Click for Course Student Learning Outcomes](#)

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**HSD 409 HSD NON-CREDIT BASIC SKILLS ALGEBRA I 0**

*(Formerly MATH401)*  
*8.00 hours per week: (6.00 lecture hours/2.00 lab hours)*  
*Noncredit*  
*Letter Grade or P/NP*

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.  
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**HSD 410 HSD NON-CREDIT BASIC SKILLS, ALGEBRA II 0**

*(Formerly MATH402)*  
*8.00 hours per week: (6.00 lecture hours/2.00 lab hours)*  
*Noncredit*  
*Letter Grade or P/NP*

Introduces Algebra II topics including linear equations and inequalities, systems of equations and polynomial, exponential and logarithmic functions. Geometric topics covered are: triangular and circular trigonometry. Other topics covered are: probability, conic sections and trigonometric functions and their graphs. This is an elective course towards a high school diploma.  
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**HSD 411 HSD NON-CREDIT BASIC SKILLS, GEOMETRY 0**

*(Formerly MATH403)*  
*8.00 hours per week: (6.00 lecture hours/2.00 lab hours)*  
*Noncredit*  
*Letter Grade or P/NP*

Focusing on fundamental knowledge of basic geometric postulates and theorems and their use in proofs. Integrating algebra in a geometric setting. Using formulas to calculate perimeter, area, and volume of a variety of geometric shapes. This is an elective course towards a high school diploma.  
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**HSD 412 HSD NON-CREDIT BASIC SKILLS POLITICAL SCIENCE 0**

*(Formerly POLS401)*  
*4.00 hours per week: (3.00 lecture hours/1.00 lab hours)*  
*Noncredit*  
*Letter Grade or P/NP*

Presents the organization and mechanics of our federal, state, and local systems of government. Explores the basic ideals of American democracy as well as contemporary issues relevant to American government. This is an elective course towards a high school diploma  
[Click for Course Student Learning Outcomes](#)

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**HSD 414 HSD NON-CREDIT BASIC SKILLS, SPANISH I 0**

*(Formerly SPAN401)*  
*8.00 hours per week: (6.00 lecture hours/2.00 lab hours)*  
*Noncredit*  
*Letter Grade or P/NP*

Focuses on reading, writing, speaking and understanding standard Spanish at a basic level. Acquiring basic vocabu-

lary and grammar structures, including the simple present tense, noun-adjective agreement, subject-verb agreement, interrogatives, the immediate future tense, and the preterite tense. Exposure to and interaction with the cultures of the Spanish-speaking countries of the world. Using Spanish selectively both within and beyond the school setting. Participating in cultural projects, including comparing and contrasting other cultures to their own. This is an elective course towards a high school diploma.  
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**HISTORY**

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**HIST 203A HISTORY OF WORLD CIVILIZATIONS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*  
*Credit - Degree Applicable*  
*Letter Grade Only*  
*Advisories: ENGL 156*

Surveys World Civilizations from antiquity to the 1500s, with a particular emphasis on the dynamic interaction and comparison of peoples and cultures. The focus is on the role played by social, political, economic, cultural, and religious forces in shaping the major world civilizations and the legacy of the subsequent civilizations for our world today. The course will analyze these forces within the context of such historical concepts as cause and effect, multiple causation, and historical interpretation.

*Transfer: CSU; UC*  
*C-ID HIST 150*

[Click for Course Student Learning Outcomes](#)

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**HIST 203B HISTORY OF WORLD CIVILIZATIONS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*  
*Credit - Degree Applicable*  
*Letter Grade Only*  
*Advisories: ENGL 156*

Surveys World Civilizations from the 1500's to the present, with a particular emphasis on the increased integration of peoples and cultures as a result of the continuing process of globalization. The focus is on the transformations of human society and human social relations caused by such ideas as scientific racism, nationalism, imperialism, and constitutional government. This course also covers trends including the increasing prevalence of migration, the changing nature of warfare, the harnessing of fossil fuels, the growing integration of global economies, and the scientific and technological advances that continue to revolutionize humanity's understanding and relationship to the natural world. This course will investigate the roles played by social, political, economic, cultural, and religious forces in shaping the major world civilizations, and the legacy of these subsequent civilizations for our world today. The course will analyze these forces within the context of such historical concepts as cause and effect, multiple causation, and historical interpretation.

*Transfer: CSU; UC*  
*C-ID HIST 160*

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**HIST 204A HISTORY OF WESTERN CIVILIZATION 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*  
*Credit - Not Degree Applicable*  
*Letter Grade or P/NP*  
*Advisories: ENGL 156*

Surveys the history of Western Civilization from its origins in the Ancient Middle East through the Renaissance. It emphasizes the interplay of social, political, cultural, and intellectual forces that have served to define Western Civilization; how these forces impacted and shaped ethnic, racial, gender, and class relations; and how these influence modern contemporary life. These analyses also emphasize such historical concepts as cause and effect, multiple causation, and historical interpretation.

*Transfer: CSU; UC*

*C-ID HIST 170*

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**HIST 204B HISTORY OF WESTERN CIVILIZATION 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Surveys the history of Western Civilization from the Renaissance to contemporary times. It emphasizes the interplay of social, political, cultural, and intellectual forces that have served to define Western Civilization; how these forces impact and shape ethnic, racial, gender, and class relations, and how these influence modern contemporary life. These analyses also emphasize such historical concepts as cause and effect, multiple causation, and historical interpretation.

*Transfer: CSU; UC*

*C-ID HIST 180*

[Click for Course Student Learning Outcomes](#)

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**HIST 207A HISTORY OF THE UNITED STATES 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Surveying United States history from its European, African, and Native American origins to 1865. It also analyzes many of America's political, social, economic, and intellectual institutions, as they impact ethnic, racial, gender, and class relations, and how these influence American contemporary life. These analyses also emphasize such historical concepts as cause and effect, multiple causation, and historical interpretation.

*Transfer: CSU; UC*

*C-ID HIST 130*

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**HIST 207B HISTORY OF THE UNITED STATES 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Surveying United States History from 1865 to the present. It also analyzes many of America's political, social, economic, and intellectual institutions, as they impact ethnic, racial, gender, and class relations, and how these influence contemporary life. This course also examines this nation's increasing involvement in world affairs. These analyses are set within the context of such historical concepts as cause and effect, multiple causation, and historical interpretation.

*Transfer: CSU; UC*

*C-ID HIST 140*

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**HIST 210 HISTORY OF CALIFORNIA 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Not Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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**HIST 212 HISTORY OF MEXICAN AMERICANS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Examines the historical and contemporary experience of people of Mexican descent from pre-Contact indigenous Mexican societies to the present, focusing on the legacies of the U.S.-Mexican War, history of Mexican immigration, U.S.-Mexico relations, and the struggle for citizenship and civil rights.

*Transfer: CSU; UC*

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**HIST 233 HISTORY OF AFRICAN AMERICANS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Examines the historical, cultural, political, economic, and social development of people of African descent from 1619 to the present, focusing on the legacies of slavery, abolitionism, emancipation, segregation, urban black migration, economic exploitation, and the continuous forms of black resistance in the struggle for civil rights.

*Transfer: CSU; UC*

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**HIST 237 HISTORY OF AMERICAN WOMEN 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

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*

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**HIST 247 INDEPENDENT STUDIES: HISTORY 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: 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 history under the direction of an instructor.

*Transfer: CSU*

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**HIST 260 HISTORY OF THE SAN SIMEON REGION 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: HIST 207B, HIST 210, ART 203, ART 204*

Focuses on the North Coast of San Luis Obispo County, the San Simeon region, using the methods of environmental and public historical studies. The course will analyze and interpret the diverse communities present at different times in the San Simeon area, paying special attention to land use, social and cultural patterns, group relations and gender roles. Following a natural history and geographic study of the area, the class will move chronologically from the earliest human communities to the near present.

*Transfer: CSU; UC*

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**HUMAN DEVELOPMENT/HUMAN SERVICES**

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**HDHS 193 HDHS SPECIAL TOPIC 0.50 to 4.00**

*(Formerly FMST193)*

*1.50 - 12.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 12.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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**HDHS 202 CHILD, FAMILY AND COMMUNITY 3.00**

*(Formerly FMST202)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Examines the developing child in a societal context focusing on the interrelationship of family, school and community and emphasizes historical and socio-cultural factors. The processes of socialization and identity development will be highlighted, showing the *importance of respectful, reciprocal relationships that support and empower families. Same as ECE 202. Meets Title XXII requirements: DS 2.*

*Transfer: CSU; UC*

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**HDHS 205 LIFE MANAGEMENT 3.00**

*(Formerly FMST205)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Articulates skills to understand and utilize internal and external resources to function effectively in society now and in the future. Major topics covered in the course include: socio-cultural forces that effect personal values, beliefs, and goals; decision making skills, time management and stress-reduction strategies, and conflict resolution; as well as methods for improving self-esteem, self-understanding, and interpersonal relationships.

*Transfer: CSU*

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**HDHS 210 INTRODUCTION TO THE FIELD OF HUMAN SERVICES 3.00**

*(Formerly FMST210)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Provides a comprehensive overview of the field of Human Services. Outlines professional skills, prevention and intervention strategies, and multicultural competencies that support individual and family functioning. Presents an overview of support and advocacy services for individuals and families.

*Transfer: CSU*

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**HDHS 212 HUMAN DEVELOPMENT: LIFE SPAN 3.00**

*(Formerly FMST212)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: 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*

*C-ID PSY 180*

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**HDHS 213 ETHNIC IDENTITY AND DEVELOPMENTAL PATTERNS 3.00**

*(Formerly FMST213)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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*

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**HDHS 214 FAMILY, RELATIONSHIPS AND INTIMACY 3.00**

*(Formerly FMST214)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Scrutinizes sociological, psychological and cross-cultural concepts of intimate relationships and the family unit. Focuses on diversity within and the development of committed relationships and the family unit. Emphasizes intimacy dynamics, communication processes, and assessment of functionality and wellness.

*Transfer: CSU; UC*

*C-ID SOCI 130*

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**HDHS 215 DEVELOPMENTAL PATTERNS OF WOMEN 3.00**

(Formerly FMST215)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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

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**HDHS 216 THE STUDY OF PARENTING: THEORY AND PRACTICE 3.00**

(Formerly FMST216)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Presents background for understanding parent-child relationships in the changing social environment. Examines common problems in child rearing, and cultural influences on parenting. Emphasizes development of a parenting philosophy and development of effective parenting behavior across the lifespan.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**HDHS 218 HUMAN SEXUALITY: EXPERIENCE & EXPRESSION 3.00**

(Formerly FMST218)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Studies the complex psychological, sociological and physiological aspects of human sexuality. Introduces theoretical frameworks that explain sexual development and identity; sexual behaviors; gendered patterns and gender roles; and sexual satisfaction. Examines the societal constructions that define ab/normal sexual expression and the changing definitions of subjective experiences. Discusses sexual response processes, dysfunctions, reproductive health, and sexual violence and healing pathways.

Transfer: CSU; UC

C-ID PSY 130

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**HDHS 247 INDEPENDENT STUDIES: HUMAN DEVELOPMENT/HUMAN SERVICES 0.50 to 2.00**

(Formerly FMST247)

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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 family studies under the direction of an instructor.

Transfer: CSU

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**HDHS 270 INTRO TO ADDICTION STUDIES: ADDICTION AND THE COMMUNITY 3.00**

(Formerly FMST270)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Explores historical, psychological, and sociological perspectives on the use, abuse, and social control of psychoactive drugs. Presents in depth analysis of the theoretical models of the biopsychosocial nature of addiction, the dynamics of addiction, the impact of addiction on children, families and society with emphasis on special populations, contemporary treatment and prevention approaches, and the addiction counseling profession.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**HDHS 271 GROUP PROCESS AND PRACTICE 3.00**

(Formerly FMST271)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: HDHS 210 and HDHS 270

Presents and develops basic competency in theory and techniques of group process and practice used in the helping professions including task-oriented, psychoeducational, counseling, and psychotherapy groups with specific populations.

Transfer: CSU

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**HDHS 272 DRUG PREVENTION AND EDUCATION 3.00**

(Formerly FMST272)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: HDHS 270

Presents and develops basic competency in the history, theories, research, and current approaches to substance abuse education and prevention including public policy, media, age, gender, ethnic and culture-specific considerations and models, environmental risk reduction, harm reduction, and healthy alternatives to substance use.

Transfer: CSU

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**HDHS 278 FAMILIES AND ADDICTION 3.00**

(Formerly HDHS278)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: HDHS 270 and ENGL 156

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

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**HDHS 279 TREATMENT AND CASE MANAGEMENT 3.00**

(Formerly FMST279)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: HDHS 210 and HDHS 270

Presents theories, skills, techniques, and legal and ethical practices fundamental to client treatment and case management. Includes guidelines for developing assessments, diagnoses, and the implementation of treatment plans. Emphasis is on working with chemically dependent individuals, survivors of intimate partner abuse, the homeless population, and individuals who are mentally impaired.

Transfer: CSU

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**HDHS 280 BASIC INTERVIEWING AND COUNSELING SKILLS 3.00**

(Formerly FMST280)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: HDHS 210 and HDHS 270

Presents and develops basic competency 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.

Transfer: CSU

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**HDHS 288 ADDICTION STUDIES FIELDWORK & SEMINAR 7.00**

(Formerly FMST280)

17.00 hours per week: (2.00 lecture hours/ 15.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: HDHS 213, HDHS 270, HDHS 271, HDHS 272, HDHS 278, HDHS 279, HDHS 280, HEED 206

Provides the required 250 hours of internship for students seeking a degree or certificate in Addiction Studies and/or state certification as an alcohol and drug counselor. Course components include 15 hours a week of fieldwork in a licensed chemical dependency agency and 2.0 hours a week of seminar/classroom activities.

Transfer: CSU

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**JOURNALISM AND DIGITAL COMMUNICATION**

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**JOUR 193 JOURNALISM SPECIAL TOPIC 0.50 to 4.00**

0.00 - 0.00 hours per week: (0.00 lecture hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**JOUR 201A NEWS WRITING AND REPORTING 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Introduces techniques of news reporting, synthesizing and writing across multiple platforms. Provides intensive practice in gathering and evaluating information and writing news stories. Considers ethical and legal issues in journalism, and historical impacts on society. Students will be aware of social justice issues and how journalism has affected the human condition. Students will report and write based on their original interviews and research to produce news content. Experiences may include covering speeches, meetings and other events, writing under deadline and use of AP Style.

Transfer: CSU

C-ID JOUR 110

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**JOUR 201B INTRODUCTION TO MASS COMMUNICATION 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Presents a survey of mass communication and the interrelationships of media with society including history, structure and trends in a digital age. Discusses theories and effects, economics, technology, law and ethics, global media, media literacy, and social issues, including gender and cultural diversity.

Transfer: CSU; UC

C-ID JOUR 100

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**JOUR 201C JOURNALISM FIELD STUDIES 0.50 to 1.00**

0.50 - 1.00 hours per week: (0.50 - 1.00 lecture hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Presents on-site studies of local, state, or national government entities, and/or publications and broadcasting stations. Students must pay their proportional part of the expenses resulting from transportation, meals, and lodging.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**JOUR 202A INTRO TO NEWS PRODUCTION 4.00**

8.00 hours per week: (2.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Introduces hands-on news production to produce The Cuestonian student newspaper and Cuestonian.com. Presents all aspects of the newspaper business including reporting, writing, editing, photography, design/layout, online publishing, multimedia journalism and emerging technologies. Includes weekly news assignments for publication across multiple platforms for publications produced with student leadership.

Transfer: CSU

C-ID JOUR 130

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**JOUR 202B NEWS PRODUCTION 4.00**

8.00 hours per week: (2.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: JOUR 202A

Involves students in editorial positions using state-of-the-art technology to produce The Cuestonian and Cuestonian.com. Continues the study of all aspects of the print and online news production business at a higher skill level and leadership involvement than JOUR 202A.

*Transfer: CSU*

*C-ID JOUR 131*

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**JOUR 202C NEWS PRODUCTION 4.00**

*8.00 hours per week: (2.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: JOUR 202A and JOUR 202B*

Involves students in major hands-on editorial positions and leadership in using state-of-the-art technology to produce The Cuestonian and Cuestonian.com. Continues the study of all aspects of the print and online news business at an advanced skill level and leadership involvement, which goes beyond JOUR 202A and JOUR 202B.

*Transfer: CSU*

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**JOUR 203A NEWS PRODUCTION FOR VISUAL ARTISTS: PHOTO AND VIDEO 4.00**

*8.00 hours per week: (2.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156 and Previous photography and/or videography experience highly recommended. Should have own equipment or ART 249A or FTVE 223: VIDEO OPERATIONS*

Introduces students to producing and editing photographs and/or video for The Cuestonian and Cuestonian.com, providing an opportunity for them to showcase their work. This course deals with the photographer/videographer as a journalist, with an emphasis on using the camera as a reporting and communications tool. Students complete assignments from the editorial board and capture images, for instance, from campus arts, sporting, music and news events. Includes news and feature images and photo and video essays. Ethics, legal issues and professional behavior are stressed.

*Transfer: CSU*

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**JOUR 203B NEWS PRODUCTION FOR VISUAL ARTISTS: GRAPHICS AND DESIGN 4.00**

*8.00 hours per week: (2.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Previous digital graphic design and digital layout experience required.*

*Advisories: ENGL 156 and ART 255 or ART 258*

Introduces students to the design and layout of The Cuestonian and Cuestonian.com. Students will create informational and interactive graphics and design and layout each publication using Adobe InDesign, Illustrator and Photo-Shop. Students complete assignments from editors on the student-run publications and meet newspaper production deadlines. Professional behavior is stressed.

*Transfer: CSU*

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**JOUR 204 NONFICTION AND MAGAZINE WRITING FOR PUBLICATION 3.00**

*(Formerly JOUR203)*

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A and JOUR 201A*

Introduces literary techniques and storytelling structures that can be applied to journalistic writing, as well as marketing, public relations and other communications. Students will research, report and write nonfiction articles and shoot video and photographs for potential publication on Cuestonian.com, the college's student news site, and on professional local news sites. Students will also study and critically analyze narrative articles and winning Pulitzer Prize Feature Writing entries and how these works affect the human condition in today's society, as well as from a historical perspective.

*Transfer: CSU*

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**JOUR 205 MULTIMEDIA JOURNALISM 3.00**

*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: JOUR 201A and ENGL 156*

Introduces the fundamentals of gathering, producing and presenting content for digital media. Explores ethical issues and stresses multimedia storytelling.

*Transfer: CSU*

*C-ID JOUR 120*

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**JOUR 206 SOCIAL MEDIA AND DATA VISUALIZATION 3.00**

*5.00 hours per week: ( 2.00 lecture hours/ 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: JOUR 201A and ENGL 156*

Introduces two techniques essential to modern journalism: social media and data visualization. The first section of this course is focused on journalism's evolving relationship with social media. Students will use social media sites including Twitter, Facebook, Instagram, and Snapchat to find and report stories, cultivate sources and develop ethical social media literacy. Considers the impact of social media on the news media and its relationship to political and social justice issues. Data visualization introduces techniques for finding data sets, cleaning and analyzing the data, and effective design to support audience comprehension. Students will use data visualization software to build stories using data sets. Also considers history and design of news/information visualizations and their impact on society and modern-day storytelling.

*Transfer: CSU*

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**JOUR 247 INDEPENDENT STUDIES: JOURNALISM 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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 journalism under the direction of an instructor.

*Transfer: CSU*

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## KINESIOLOGY ACTIVITIES

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### **KINA 193 KINESIOLOGY ACTIVITIES SPECIAL TOPIC** **0.50 to 4.00**

*1.50 - 12.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 12.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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### **KINA 201 WEIGHT TRAINING** **0.50 to 1.00**

*(Formerly PEAC270)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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### **KINA 202 STRENGTH TRAINING FOR SPORT PERFORMANCE** **0.50 to 1.00**

*(Formerly PEAC271)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: KINA 201 or by consent of the 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.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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### **KINA 203 ENDURANCE CIRCUIT WEIGHT TRAINING** **0.50 to 1.00**

*(Formerly PEAC269)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Recognize that circuit weight training is an approach to physical fitness that involves quick bursts of exercise with minimal rest intervals between each burst. The "circuit" in the term is a reference to students will move around a circuit to access different types of weight training equipment during their exercise sessions.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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### **KINA 204 POWER LIFTING** **1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Designed to offer students a chance to power train. Stu-

dents will develop an understanding of power lifting and how to implement it into a fitness plan. Power lifting is a system of heavy resistance and low repetition exercise that builds power in large muscle groups. Recommended for students with experience in weight training.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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### **KINA 205 RESISTANCE TRAINING** **1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents a guided strength training course designed to sculpt and strengthen the body for general and/or sport specific fitness. The course utilizes muscular strength and endurance training using a variety of modalities and equipment including but not limited to: free weights, bars, exercise tubes, medicine balls, body weight, stability balls and cables.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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### **KINA 206 TRX FULL BODY FITNESS** **1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Provides the concepts of health and skill related fitness including muscular endurance, muscular strength, flexibility, agility, power and core development using the TRX Suspension Training System techniques in a group fitness setting.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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### **KINA 207 ADVANCED TRACK & FIELD APPLICATIONS** **2.00**

*(Formerly PEAC209)*

*6.00 hours per week: (0.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: KINA 208*

Designed for students of advanced skills and abilities in track and field. Fundamentals of jumping, throwing, sprinting, hurdling and distance running will be stressed. Recommended for those interested in club sport and/or intercollegiate competition.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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### **KINA 208 TRACK AND FIELD TECHNIQUES** **1.00**

*(Formerly PEAC275)*

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

Provides skills and techniques in multiple events for the sport of track & field.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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### **KINA 210 ADVANCED WEIGHT TRAINING** **0.50 to 1.00**

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Develops advanced weight lifting techniques and conditioning for sports activity and competition. Power lifting on free weights, resistance machines, and use of additional equipment. Focus is on maximizing muscle development through advanced training principles.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 212 CARDIO STEP TRAINING 1.00**

*(Formerly PEAC264)*

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents a total fitness program, including cardiovascular, muscular strength and flexibility fitness through a step training program.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 213 ZUMBA 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents a mix of Latin dance steps like the merengue, salsa, cambia, mambo, samba, as well as other dances from around the world. The dances are set to high energy Latin music that makes this total body workout an inspiring and energetic method for increasing cardiovascular fitness, muscular strength, and flexibility.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 214 CORE FITNESS WITH CARDIO 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Introduces a variety of concepts and practices for muscular and cardiovascular conditioning, focusing on the core of the body. Presents movement skills using aerobics, body weight, stability balls, free weights, medicine balls, and other appropriate techniques to enhance core and cardiovascular fitness and weight management. Allows activities to be adapted to varied levels of ability and fitness.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 217 KICKBOXING FOR FITNESS 0.50 to 1.00**

*(Formerly PEAC210)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents the concepts of cardiorespiratory fitness, muscular endurance, muscular strength, and flexibility of exercise through high-intensity kickboxing techniques.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 222 PILATES 0.50 to 1.00**

*(Formerly PEAC206)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 223 PILATES BARRE 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents a fitness method that teaches the fundamentals of the Pilates technique using the ballet barre as a tool. Pilates Barre utilizes the barre warm-up in a complimentary fashion with various principles, exercises, poses, stretches, and breathing techniques from Pilates and Yoga. Correct anatomical alignment is taught by utilizing the barre to warm-up while also performing strengthening, lengthening, and aerobic conditioning exercises. Pilates mat exercises are used to develop and challenge core strength. Various Yoga poses are incorporated into the workout for their muscular strengthening and stretching benefits.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 224 CORE PILATES 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Not Degree Applicable*

*Letter Grade or P/NP*

Incorporates the Pilates method into a strengthening and general core fitness and sport training course. Students will improve overall movement fluidity, breathing techniques, kinesthetic awareness, proprioception, core strength, and endurance while integrating the mind/body connection during movement based on the original techniques developed by Joseph H. Pilates. Students will learn principles of proper alignment, strength, endurance, flexibility, balance, and coordination using intermediate level mat exercises.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 225 BALLET FOR STRENGTH AND FLEXIBILITY 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

Employ a fitness method that teaches the fundamentals of strength and flexibility using the technique of Ballet. Utilization of the ballet barre and center floor includes basic ballet exercises and combinations to develop strength of the major muscle groups while also promoting flexibility through principles and stretches unique to Ballet.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 227 INDOOR CYCLING FOR FITNESS 0.50 to 1.00**

*(Formerly PEAC260)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents the concepts of cardio-respiratory fitness, muscu-

lar 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.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 231 CARDIO BOOTCAMP 0.50 to 1.00**

*(Formerly PEAC288)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 232 CARDIO ENDURANCE CONDITIONING 0.50 to 1.00**

*(Formerly PEAC266)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents a programmed method of cardiovascular/respiratory fitness through walking, running, swimming and/or cycling.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 233 SPORT SPECIFIC CONDITIONING 0.50 to 1.00**

*(Formerly PEAC267)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

Presents general and sport-specific conditioning methods for intercollegiate athletes. Course is designed to meet conditioning needs using a variety of modalities including running, swimming, cycling and resistance training.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 234 CROSS FITNESS TRAINING 0.50 to 1.00**

*(Formerly PEAC265)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents cross fitness training methods for general fitness and sport training. Training modalities include running, circuit training, interval training, swimming, cycling and resistance training.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 236 BACKPACKING 1.00**

*2.00 hours per week: (0.50 lecture hours/1.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: Must be able to complete a 2 mile time trial in under 20 minutes.*

Identify principles, techniques, and methods for safe and responsible skills in backpack camping. Students will gain information on what to include in their pack, how to prepare a pack efficiently, trail etiquette, and risks associated with outdoor terrain and weather. Day backpacking at a local county park, an overnight backpacking trip, and an extended weekend experience at a California National or State Park.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 237 RACQUET SPORTS FOR LIFETIME FITNESS 0.50 to 1.00**

*(Formerly PEAC285)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Introduces the basic skills and strokes used in controlling play, rules, and etiquette of various racquet-based sports such as pickleball, tennis, and badminton. Provides basic instruction on movement fundamentals including ground strokes, serving, strategy patterns, and introduces advanced skills. Presents individual instruction to develop player's own personal stroke pattern and refine skills in a competitive atmosphere.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 238 GOLF 0.50 to 1.00**

*(Formerly PEAC238)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents an opportunity to develop one's knowledge and skills in the sport of golf. Instruction emphasizes swing fundamentals, rules, etiquette, history of the game and psychological aspects.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 241 WATER POLO TECHNIQUES 0.50 to 1.00**

*(Formerly PEAC242)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Provides the opportunity for swimmers to develop an interest in and knowledge of water polo. Presents the rules and fundamental skills of the game. Endurance training and cardiovascular fitness will be discussed.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 246 YOGA FOR FITNESS 0.50 to 1.00**

*(Formerly PEAC262)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Introduces the fundamentals of Yoga as it relates to fitness. Students will learn 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.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 247 INDEPENDENT STUDIES: KINESIOLOGY ACTIVITIES** **0.50 to 2.00**

*(Formerly PEAC247)*

*1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 251 DISTANCE RUNNING FOR INDIVIDUAL SUCCESS** **0.50 to 1.00**

*(Formerly PEAC274)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 252 INTRODUCTION TO TRAIL RUNNING** **0.50 to 1.00**

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents key concepts of a successful trail running program including health related fitness, appropriate gear, and trail running techniques. The course prepares student for trail running for recreation and/or competition.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 256 VOLLEYBALL TECHNIQUES** **0.50 to 1.00**

*(Formerly PEAC297)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Provides progressive instruction for skill development in both offensive and defensive systems of volleyball. Skills practice as well as rules and strategy of game play will be presented.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 261 SOCCER** **0.50 to 1.00**

*(Formerly PEAC295)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Introduces techniques, tactics, skills, rules and attitudes inherent to the sport of soccer.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 266 WRESTLING** **0.50 to 1.00**

*(Formerly PEAC250)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents the basic skill techniques involved in Folkstyle Wrestling. Emphasizes active participation in drill and scrimmage situations.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 267 FREESTYLE WRESTLING** **0.50 to 1.00**

*(Formerly PEAC252)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Presents the basic skill techniques involved in International Wrestling: Freestyle and Greco-Roman. Designed for both the beginning and advanced wrestler.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

[Click for Course Student Learning Outcomes](#)

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**KINA 271 BASKETBALL TECHNIQUES** **0.50 to 1.00**

*(Formerly PEAC292)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Students must possess advanced collegiate 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.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

[Click for Course Student Learning Outcomes](#)

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**KINA 272 FUNDAMENTALS OF BASKETBALL** **1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*

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**KINA 277 BASKETBALL TECHNIQUES AND APPLICATIONS** **0.50 to 1.00**

*(Formerly PEAC292)*

*1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Emphasizes basic skills, techniques, theories, strategies, and rule interpretations used in basketball.

*Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)*



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**KINA 278 BASKETBALL FOR LIFETIME FITNESS 0.50 to 1.00**

(Formerly PEAC293)

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

[Click for Course Student Learning Outcomes](#)

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**KINA 281 SOFTBALL FUNDAMENTALS 0.50 to 1.00**

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Presents theory, practice, and strategy of fastpitch softball.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

[Click for Course Student Learning Outcomes](#)

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**KINA 286 ADVANCED BASEBALL APPLICATIONS 2.00**

(Formerly PEAC296)

6.00 hours per week: (0.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: KINA 287

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.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

[Click for Course Student Learning Outcomes](#)

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**KINA 287 BASEBALL TECHNIQUES 1.00**

(Formerly PEAC291)

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

[Click for Course Student Learning Outcomes](#)

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**KINA 292 SWIMMING & DIVING APPLICATIONS 2.00**

(Formerly PEAC299)

6.00 hours per week: (0.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Designed for students of advanced ability in swimming. Fundamentals of all four competitive strokes and advanced strategies of how to compete as an individual/team will be incorporated. Recommended for those interested in intercollegiate competition.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**KINA 293 SWIMMING TECHNIQUES 0.50 to 1.00**

(Formerly PEAC240)

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: Float in water.

Emphasizes developing the fundamental techniques of swimming. All strokes will be taught along with elementary diving and basic survival skills. Endurance training and cardiovascular fitness will be discussed.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

[Click for Course Student Learning Outcomes](#)

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**KINA 294 LAP SWIMMING 0.50 to 1.00**

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: Swim 25 yards.

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.

Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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**KINESIOLOGY THEORY**

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**KINE 193 KINESIOLOGY THEORY SPECIAL TOPICS 0.50 to 4.00**

0.00 - 0.00 hours per week: (0.00 - 0.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**KINE 201 INTRODUCTION TO KINESIOLOGY 3.00**

(Formerly PETH201)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Presents the study of kinesiology including the history, subdisciplines, future trends, and career opportunities in the areas of teaching, coaching, allied health, and fitness professions.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses)

C-ID KIN 100

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**KINE 202 PRINCIPLES OF COACHING 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Presents current theory and practice in coaching education, including sport pedagogy, physiology, psychology, administration, and risk management. Issues of performance and competition specific to child, youth, and collegiate coaching are emphasized. The course is designed to prepare students to take the American Sport Education Program Coaching Principles Certification Exam and/or the California Interscholastic Federation Exam.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses)

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**KINE 210 ATHLETIC TRAINING AND SPORTS  
MEDICINE LAB LEVEL 1 2.00 to 4.00**

6.00 -12.00 hours per week: (0.00 - 0.00 lecture hours/6.00 -12.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Provides the beginning level athletic training student practical, hands-on experience within the field of sports medicine and athletic training. It is designed to present the student with knowledge of injury prevention and care by observing procedure, techniques and concepts applicable to the athletic training setting. Experiences will include observing taping for prevention of injury, use of modalities, and exercise programs in rehabilitation of injuries.

Transfer: CSU

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**KINE 211 ATHLETIC TRAINING AND SPORTS  
MEDICINE LAB LEVEL 2 2.00 to 4.00**

6.00 -12.00 hours per week: (0.00 - 0.00 lecture hours/6.00 -12.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: KINE 210

Corequisites: KINE 213

Advisories: HEED 204 or current CPR certification

Provides the intermediate athletic training student practical, hands-on experience within the field of sports medicine and athletic training. It is designed to present an overview of sports medicine topics including medical terminology, therapeutic modalities, basic taping techniques, contagious skin diseases as related to athletics, and a variety of sports-related injuries.

Transfer: CSU

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**KINE 212 ATHLETIC TRAINING AND SPORTS  
MEDICINE LAB LEVEL 3 2.00 to 4.00**

6.00 -12.00 hours per week: (0.00 - 0.00 lecture hours/6.00 -12.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: KINE 213 with a minimum grade of C or better and KINE 211 with a minimum grade of C or better and HEED 204 with a minimum grade of C or better or Current CPR/First Aid Certification

Provides the advanced level athletic training student practical, hands-on experience within the field of sports medicine and athletic training. It is designed to present the student with knowledge of therapeutic goals and objectives, therapeutic taping and bandaging, selection of therapeutic exercises, methods of evaluating and recording rehabilitation progress, and development of criteria for progression and return to function.

Transfer: CSU

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**KINE 213 INTRODUCTION TO PREVENTION AND CARE  
OF ATHLETIC INJURIES 3.00**

(Formerly PETH213)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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)

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**KINE 214 INTRODUCTION TO EXERCISE SCIENCE 3.00**  
(Formerly PETH214)

4.00 hours per week: (3.00 lecture hours/1.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: Eligibility for ENGL 156

Provides foundational information for students interested in exercise science and those intent on pursuing a career as a fitness professional. Introduces muscular, cardiorespiratory, and other physiological systems essential for application to program design and its specificity to training goals. Includes muscular, neural, and skeletal anatomy in relation to proper movement, with the purpose of applying safe and effective exercise program design.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses)

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**KINE 215 THEORY OF BASEBALL 2.00**  
(Formerly PETH215)

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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)

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**KINE 216 THEORY OF TRACK AND FIELD AND CROSS  
COUNTRY 2.00**

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: 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)

[Click for Course Student Learning Outcomes](#)

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**KINE 217 THEORY OF SOFTBALL 2.00**

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Presents all the fundamental phases of defensive and offensive fastpitch softball. Lectures, chalkboard discussion, skill demonstrations, and video studies are included in the course.

Transfer: CSU

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**KINE 218 EXERCISE LEADERSHIP 3.00**

(Formerly PETH218)

4.00 hours per week: (2.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156 and KINE 201

Presents the fundamentals of exercise programming and leadership in various group fitness settings. Students will demonstrate skills in assessment and monitoring of group fitness participants, learning methods of teaching various 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 ACSM and/or ACE Group Exercise Leadership exams.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses)

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**KINE 220 WELLNESS: PERSONALIZED FITNESS AND NUTRITION FOR LIFE 2.00**

(Formerly PETH220)

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses)

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**KINE 224 CERTIFIED PERSONAL TRAINER 3.00**

(Formerly PETH224)

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: 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 American College of Sports Medicine Certified Personal Trainer certification exam.

Transfer: CSU

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**LEADERSHIP**

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**LDER 193 LEADERSHIP SPECIAL TOPIC 0 to 0**

0.00 - 0.00 hours per week: (0.00 - 0.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**LDER 247 INDEPENDENT STUDIES: LEADERSHIP 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**LDER 253 PEER COUNSELING 2.00**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: Completion of or concurrent enrollment in ENGL 156.

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

[Click for Course Student Learning Outcomes](#)

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**LDER 256 CAMPUS PEER EDUCATOR 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: LDER 253 completion or concurrent enrollment.

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

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**LDER 261A PHILOSOPHY OF LEADERSHIP 1.50**

1.50 hours per week: (1.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ENGL 156 completion or concurrent enrollment.

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

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**LDER 261B LEADERSHIP: SUCCESS STRATEGIES SEMINAR 1.50**

1.50 hours per week: (1.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: ENGL 156 completion or concurrent enrollment.

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

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**LDER 262 STUDENT LEADERSHIP** **1.00 to 3.00**  
 3.00 - 9.00 hours per week: (0.00 - 0.00 lecture hours/3.00 - 9.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP

*Advisories: 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.

*Transfer: CSU*

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**LDER 263 EXPLORING LEADERSHIP-MAKING A DIFFERENCE** **3.00**  
 3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP

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*

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## LEGAL

**LGL 193 LEGAL SPECIAL TOPIC** **0.50 to 4.00**  
 1.50 - 12.00 hours per week: (0.00 lecture hours/1.50 - 12.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP

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

[Click for Course Student Learning Outcomes](#)

**LGL 217 INTRODUCTION TO LAW** **3.00**  
 3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP  
*Advisories: 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*

[Click for Course Student Learning Outcomes](#)

**LGL 247 INDEPENDENT STUDIES: LEGAL** **0.50 to 2.00**  
 1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)  
 Credit - Degree Applicable

*Letter Grade or P/NP*

*Prerequisites: 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.

*Transfer: CSU*

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## LIBRARY AND INFORMATION TECHNOLOGY

**LIBT 193 LIBRARY INFORMATION SPECIAL TOPIC** **0.50 to 4.00**  
 0.00 - 0.00 hours per week: (0.00 lecture hours)  
 Credit - Degree Applicable  
 Letter Grade or P/NP

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

[Click for Course Student Learning Outcomes](#)

**LIBT 201 INTRODUCTION TO LIBRARY SERVICES** **3.00**  
*(Formerly LIBT101)*  
 3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade Only  
*Prerequisites: Completion of or concurrent enrollment in DIST 101*  
*Advisories: ENGL 156 with a minimum 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.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

**LIBT 204 ORGANIZING INFORMATION** **3.00**  
*(Formerly LIBT104)*  
 4.00 hours per week: (2.50 lecture hours/1.50 lab hours)  
 Credit - Degree Applicable  
 Letter Grade Only  
*Prerequisites: LIBT 201*  
*Advisories: ENGL 156*

A practical introduction to the tasks involved with cataloging book and nonbook 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.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

**LIBT 205 LIBRARY/INFORMATION CENTER COLLECTIONS** **3.00**  
*(Formerly LIBT105)*  
 3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
 Credit - Degree Applicable  
 Letter Grade Only  
*Prerequisites: LIBT 201*

Provides an overview of how to select, purchase, and organize print, electronic, and other materials to stock library/information center collections.

*Transfer: CSU*

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**LIBT 207 WEB PAGE DEVELOPMENT 3.00**

(Formerly LIBT107)

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Designed to prepare students to understand XHTML and the steps necessary to the effective design and development of a web site. All elements of web page design will be covered including such topics as content, navigation and aesthetics. The student will have the opportunity to demonstrate mastery of the subject by working on a collaborative web site project. This class is for the student who is new to web page development.

Transfer: CSU

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**LIBT 208 LIBRARY TEAMWORK AND SUPERVISORY SKILLS 1.00**

(Formerly LIBT108)

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Completion of or concurrent enrollment in LIBT 201

Introduces teamwork and 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, communication methods, and statistical reports.

Transfer: CSU

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**LIBT 209 LIBRARY PUBLIC SERVICES 3.00**

(Formerly LIBT109)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: LIBT 201

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.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**LIBT 210 SCHOOL LIBRARY/MEDIA CENTER SERVICES 3.00**

(Formerly LIBT110)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: LIBT 201

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.

Transfer: CSU

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**LIBT 212 RESEARCH SKILLS FOR INFORMATION AGE 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

An information literacy course for students wishing to improve their research skills. This course will prepare students to effectively address different information questions, problems or issues by providing them with the skills to locate, interpret, analyze, synthesize, evaluate and communicate information.

Transfer: CSU; UC

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**LIBT 213 ADVANCED INTERNET SEARCHING 1.00**

(Formerly LIBT113)

2.00 hours per week: (0.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Focuses on advanced search techniques, strategies, and concepts to locate a variety of information resources for personal and academic needs. Students will learn how to formulate effective search queries, select appropriate information resources, and retrieve and evaluate information from these resources.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**LIBT 214 INFORMATION TECHNOLOGY INTERNSHIP 2.00**

(Formerly LIBT114)

5.00 hours per week: (0.50 lecture hours/4.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Completion of with a grade of C or better or concurrent enrollment in 10 Library/Information Technology units from LIBT 201, LIBT 204, LIBT 205, LIBT 208, LIBT 209, LIBT 215, or LIBT 217 or ten Web Development Technology units from ART 220, BUS 243, BUS 248, LIBT 202, LIBT 206, LIBT 211, LIBT 216, or LIBT 217 and Consent of the instructor.

Provides structured on-the-job experience in an appropriate information technology environment. (e.g., information center, library, business, etc.)

Transfer: CSU

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**LIBT 215 TECHNOLOGY IN THE WORKPLACE 3.00**

(Formerly LIBT115)

4.00 hours per week: (2.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

This course offers a practical look at proper approaches and techniques used to understand, utilize and troubleshoot workplace technology-- particularly computer and multimedia technology.

Transfer: CSU

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**LIBT 217 ETHICS IN THE INFORMATION AGE 1.00**

(Formerly LIBT117)

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

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.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**LIBT 218 CONNECTING ADOLESCENTS WITH LITERATURE AND LIBRARIES 3.00**

(Formerly LIBT118)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

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.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**LIBT 220 FUNDAMENTALS OF CASCADING STYLE SHEETS 1.00**

(Formerly LIBT120)

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: LIBT 207 or concurrent enrollment

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.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**LIBT 247 INDEPENDENT STUDIES: LIBRARY/INFORMATION TECHNOLOGY 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: LIBT 201 and other 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 Library/Information Technology (more specialized than is covered in the curriculum) under the direction of an instructor.

Transfer: CSU

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**LICENSED VOCATIONAL NURSING**

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**LVN 101 THEORY I: FUNDAMENTALS, MOTHER/BABY AND ACUTE ADULT 7.00**

7.00 hours per week: (7.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Program admission

Corequisites: LVN 101A and LVN 101AL and LVN 101B

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 and roles employed in health maintenance, acute illness, surgical care, rehabilitation nursing for adults and elderly, and perinatal nursing. Adapting standard nursing care to meet the needs of the elderly is a focus for the LVN role.

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**LVN 101A SKILLS THEORY I: ADULT, MOTHER/BABY, AND MEDICATION ADMINISTRATION 7.00**

7.00 hours per week: (7.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Corequisites: LVN 101 and LVN 101AL and LVN 101B

Apply theory to demonstration of basic nursing skills based on scientific principles: Use legal and LVN Scope to learn safe patient care and nursing skills. Apply relevant steps in the nursing process: assessment, planning, implementing, evaluation and documentation. Application of pharmacology and methods that foster safe medication administration are a major focus. Methods for basic nursing skills and care of the perinatal patient and newborn are introduced.

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**LVN 101AL SKILLS LAB I: BASIC CARE, ADULT, MOTHER/BABY, MEDICATION ADMINISTRATION 2.50**

7.50 hours per week: (0.00 lecture hours/7.50 lab hours)

Credit - Degree Applicable

P/NP Only

Corequisites: LVN 101 and LVN 101A and LVN 101B

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 meeting critical elements of hands-on skills, practicing a consistent method of medication administration, and practicing documentation and patient interactions. Students demonstrate competent skill performance in a simulated clinical setting. 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 meeting critical elements of hands-on skills, practicing a consistent method of medication administration, and practicing documentation and patient interactions. Students demonstrate competent skill performance in a simulated clinical setting.

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**LVN 101B CLINICAL I: MEDICATION ADMINISTRATION, BASIC CARE 5.00**

15.00 hours per week: (0.00 lecture hours/ 15.00 lab hours)

Credit - Degree Applicable

P/NP Only

Corequisites: LVN 101 and LVN 101A and LVN 101AL

Apply fundamental principles of theory and skills courses in the care of patients in long term-care, physical rehabilitation settings. Mental & spiritual health concepts and socio-cultural aspects are explored as they apply to individually assigned patients.

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**LVN 102 THEORY II: PERIOPERATIVE, PEDIATRICS, CHRONIC DISEASE 7.00**

7.00 hours per week: (7.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: LVN 101B

Corequisites: LVN 102A and LVN 102AL and LVN 102B

Prepares the licensed vocational student nurse to care for patients and integrate concepts of perioperative nursing, pediatric nursing, chronic disease and dependent care across the lifespan. Concepts fundamental to the leadership, supervision and delegation roles are presented.

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**LVN 102A SKILLS THEORY II: PERIOPERATIVE, PEDIATRICS, CHRONIC DISEASE 7.00**

7.00 hours per week: (7.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: LVN 101B

Corequisites: LVN 102 and LVN 102AL and LVN 102B

Applies nursing concepts and skills through theory and demonstration to more complex clients based on scientific principles. Concepts from theory include chronic disease, perioperative problems, and pediatric assessment and skills. Planning and implementing patient care is relevant to steps in the nursing process: assessment, planning, implementing, evaluation and documentation.

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**LVN 102AL SKILLS LAB II: PERIOPERATIVE, PEDIATRICS, CHRONIC DISEASE 2.50**

7.50 hours per week: (0.00 lecture hours/7.50 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: LVN 101B

Corequisites: LVN 102 and LVN 102A and LVN 102B

Provides opportunity for supervised practice of specific 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 meeting critical elements of hands-on skills, adhering to a consistent method of medication administration, and practicing documentation and patient interactions for pediatric clients, clients with chronic illness, and dependent care clients. Tools for leadership and supervision are also practiced.

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**LVN 102B CLINICAL II: ADULT ACUTE, MOTHER/BABY, PEDIATRIC CARE 5.00**

15.00 hours per week: (0.00 lecture hours/ 15.00 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: LVN 101B

Corequisites: LVN 102 and LVN 102A and LVN 102AL

Applies concepts and skills learned with integration to the care of the acute adult, the obstetric, neonate, and pediatric client. 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.

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**LVN 103 THEORY III: COMMUNITY AND MENTAL HEALTH NURSING 2.00**

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: LVN 102B

Corequisites: LVN 103A and LVN 103B

Prepares student in community health and mental health nursing. Also prepares student for NCLEX exam success.

[Click for Course Student Learning Outcomes](#)

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**LVN 103A SKILLS THEORY III: COMMUNITY AND MENTAL HEALTH NURSING 2.00**

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: LVN 102B

Corequisites: LVN 103; and LVN 103B

Applies nursing concepts through theory and demonstration of advanced vocational nursing skills based on scientific principles. Planning & implementing patient care for patients in the community and psychiatric setting. Emphasis is placed on the unique needs of the mental health and community based patient with multiple health care needs. NCLEX preparedness is also presented..

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**LVN 103B CLINICAL III: MENTAL HEALTH, TEAM LEADING, PRECEPTORSHIP 3.00**

9.00 hours per week: (0.00 lecture hours/9.00 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: LVN 102B

Corequisites: 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 skilled nursing settings. Students are challenged with more complicated patients in a variety of settings, including caring for the patient with mental health priorities. This course also includes a 108 hour preceptorship component at the end of the semester.

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**LVN 104 BASIC INTRAVENOUS THERAPY, BLOOD ADMINISTRATION, AND PHLEBOTOMY 1.50**

1.50 hours per week: (1.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: LVN 103B or May have current and active LVN license from the Board of Vocational Nursing and Psychiatric Technicians of the State of California.

Corequisites: LVN 104L

Prepares the Licensed Vocational Nurse who has successfully completed LVN 103B or its equivalent to initiate intravenous therapy, phlebotomy, and blood product transfusion. This course prepares the LVN for certification that meets standards of the California State Board of Vocational Nurses and Psychiatric Technicians.

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**LVN 104L BASIC INTRAVENOUS THERAPY, BLOOD ADMINISTRATION AND PHLEBOTOMY LAB 0.50**

1.50 hours per week: (0.00 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: LVN 103B or May have current and active LVN license from the State of California Board of Vocational Nursing and Psychiatric Technicians of the State of California.

Corequisites: LVN 104

Prepares students to perform venipuncture and initiate and monitor administration of IV fluid, blood and blood products, and withdraw venous blood for diagnostic purposes. (Formerly part of LVN104 as one class)

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**LVN 193 LVN SPECIAL TOPICS 0.50 to 4.00**

*1.50 -12.00 hours per week: (0.00 lecture hours/1.50 -12.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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**MATHEMATICS**

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**MATH 003 ARITHMETIC 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Not Degree Applicable*

*P/NP Only*

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 considerable 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.

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**MATH 007 PREALGEBRA 4.00**

*4.00 hours per week: (4.00 lecture hours/0.00 lab hours)*

*Credit - Not Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: MATH 003*

Presents the mathematical concepts and arithmetic skills necessary for success in elementary algebra and for further work in mathematics. The concepts are applied 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.

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**MATH 021 TWO-SEMESTER BEGINNING ALGEBRA: PART 1 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Not Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: MATH 007*

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.

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**MATH 122 TWO-SEMESTER BEGINNING ALGEBRA: PART 2 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: MATH 021 with a minimum grade of C or better*

Presents the second half of a two-semester course in beginning algebra for the student who has no algebraic back-

ground. 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.

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**MATH 123 ELEMENTARY ALGEBRA 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: MATH 007*

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.

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**MATH 126A TWO-SEMESTER INTERMEDIATE ALGEBRA-PART 1 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: MATH 122 or MATH 123*

Presents the first half of a two-semester course in intermediate algebra. This course enables students to complete the equivalent of 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.

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**MATH 126B TWO-SEMESTER INTERMEDIATE ALGEBRA-PART 2 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: MATH 126A*

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.

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**MATH 127 INTERMEDIATE ALGEBRA 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: MATH 123*

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.

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**MATH 128 APPLIED BEGINNING AND INTERMEDIATE ALGEBRA 6.00**

*6.00 hours per week: (6.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*



Prerequisites: MATH 007

Provides an alternative preparation for Introduction to Applied Statistics, College Algebra, or College Mathematics for the Humanities. Traditional beginning and intermediate algebra topics include the development of linear, quadratic, exponential, and logarithmic equations and functions as mathematical models, inverse functions and systems of linear equations. Preparation for transfer level statistics includes an introduction to categorical and numerical data analysis, measures of center, measures of spread, and introduction to probability. Not intended for science, technology, engineering, math, or business majors.  
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**MATH 193 MATH SPECIAL TOPIC** **0.50 to 4.00**

0.00 - 0.00 hours per week: (0.00 lecture hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**MATH 229 TRIGONOMETRY** **4.00**

4.00 hours per week: (4.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 127 or MATH 126B and geometry or equivalent courses with a grade of C or better

Advisories: MATH 242

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

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**MATH 230 COLLEGE MATHEMATICS FOR THE HUMANITIES** **3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 127, MATH 126B, or MATH 128 or equivalent with a grade of C or better

Presents applications of intermediate algebra and critical thinking to solving contemporary problems in mathematics. Topics include mathematical reasoning with four additional topics selected from number systems, number theory, finance, computer applications, probability, statistics and mathematical modeling.

Transfer: CSU; UC

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**MATH 231 TRIGONOMETRY WITH GEOMETRIC FOUNDATIONS** **5.00**

5.00 hours per week: (5.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 127, MATH 126B or equivalent with a grade of C or better.

Presents the entire content of MATH 229 Trigonometry with additional geometry concepts. 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

C-ID MATH 851. MATH 231+242 = C-ID MATH 955

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**MATH 232 COLLEGE ALGEBRA** **3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Suggested - MATH 127 or MATH 126B or MATH 128 or equivalent with a grade of C or better

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, and systems of equations.

Transfer: CSU; UC

C-ID MATH 150

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**MATH 236 INTRODUCTION TO APPLIED STATISTICS** **3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 127 or MATH 126B or MATH 128 or equivalent with a minimum grade of C or better

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

C-ID MATH 110

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**MATH 242 PRECALCULUS ALGEBRA** **5.00**

5.00 hours per week: (5.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 127 or MATH 126B or equivalent with a grade of C or better

Presents a study of precalculus algebra 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. The course is designed to prepare the student for calculus.

Transfer: CSU; UC

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**MATH 247 INTRODUCTION TO STATISTICS** **4.00**

4.00 hours per week: (4.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 126B or MATH 127 or MATH 128

Presents a study of basic descriptive and inferential statistics with applications using data from a broad range of disciplines and use of technology for statistical analysis.

Transfer: CSU; UC

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**MATH 255 CALCULUS FOR BUSINESS AND MANAGEMENT** **3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 242 with a minimum grade of C or better

Presents a study of the techniques of calculus with emphasis placed on the 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

C-ID MATH 140

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**MATH 265A CALCULUS I** **5.00**

5.00 hours per week: (5.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 242 and MATH 229 or MATH 231 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

C-ID MATH 210

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**MATH 265B CALCULUS II** **5.00**

5.00 hours per week: (5.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 265A

Presents a continuing study on integration, some first and second order differential equations, infinite sequences and series, Taylor series, parameterized curves, polar curves, and their applications. Every topic will be taught geometrically, numerically, and algebraically.

Transfer: CSU; UC

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**MATH 283 CALCULUS III: MULTIVARIABLE CALCULUS** **5.00**

5.00 hours per week: (5.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 265B

Presents a study of vectors, 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

C-ID MATH 230

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**MATH 287 ORDINARY DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA** **5.00**

5.00 hours per week: (5.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 265B with a minimum 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

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**MEDICAL ASSISTING**

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**MAST 109 PHLEBOTOMY** **2.50**

2.78 hours per week: (2.78 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Student must be 18 years of age by the first class meeting. Proof of high school or equivalent education.

Corequisites: MAST 109L and Health Care Provider CPR

Advisories: 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.

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**MAST 109L PHLEBOTOMY EXTERNSHIP** **1.00**

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: Student must be 18 years of age by the first class meeting.

Corequisites: MAST 109

Advisories: NRAD 222

Provide students the opportunity of an externship to apply knowledge and skills to an acute and/or ambulatory care laboratory setting.

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**MAST 110 MEDICAL ASSISTING BASICS** **2.00**

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

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.

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**MAST 111 MEDICAL ASSISTING FAST TRACK** **11.00**

11.33 hours per week: ( 11.33 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MAST 110 or Concurrent enrollment in MAST 110; Student must be 18 years of age by the first class meeting

Corequisites: MAST 111L and Current Health Care Provider CPR and Standard First Aid

Advisories: NRAD 222

Prepares the student for entry level employment as a medical assistant and approved state or national certification exam. Must be 18 years or older to be certified.

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**MAST 111L MEDICAL ASSISTING FAST TRACK LAB 1.00**

3.78 hours per week: (0.00 lecture hours/3.78 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: Student must be 18 yrs of age by the first class meeting.

Corequisites: 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 market-ability for employment as a medical assistant and approved state or national certification exam. Must be 18 years or older to be certified.

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**MAST 193 MEDICAL ASSISTING SPECIAL TOPIC 0.50 to 4.00**

1.50 -12.00 hours per week: (0.00 lecture hours/1.50 -12.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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## METEOROLOGY

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**METE 193 METEOROLOGY SPECIAL TOPIC 0.50 to 4.00**

1.50 -12.00 hours per week: (0.00 - 0.00 lecture hours/1.50 -12.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**METE 212 INTRODUCTION TO METEOROLOGY 3.00**

(Formerly OCEN212)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: MATH 123

Advisories: 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; UC

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## MUSIC

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**MUS 193 MUSIC SPECIAL TOPIC 0.50 to 4.00**

0.00 - 0.00 hours per week: (0.00 lecture hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**MUS 193E CHORAL ENSEMBLE TOUR 3.00**

9.00 hours per week: (0.00 lecture hours/9.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Studies, rehearses, and performs jazz and vocal chamber literature of French and American cultures. Nine performances in France, and two local performances (pre-tour and post-tour) will be a large part of the class.

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**MUS 201 FUNDAMENTALS OF MUSIC (MUSIC THEORY I) 3.00**

(Formerly MUS239)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: No previous musical experience necessary

Enables students to feel the place of music in culture by providing the basic framework for reading, writing and making music. Explores the basics of tonal music, its place in culture and writing music using excerpts of great pieces and the opportunity to make original compositions. Topics include the basics of tonal music, music in our culture, creating your own music, staff notation in treble and bass clefs, rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; and diatonic chords. Aimed at the non-major or the potential music major who does not have the necessary background for MUS 204A.

Transfer: CSU; UC

C-ID MUS 110

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**MUS 204A MUSIC THEORY II 3.00**

4.00 hours per week: (2.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MUS 201 or placement test

Corequisites: MUS 205A

Advisories: Keyboard skills or Piano class.

Incorporates the concepts from Music Fundamentals (Music Theory I) and continues the four semester program. Some students with prior music training maybe able to test into this course. Through guided composition and analysis, the course will include: an introduction to two-part counterpoint; voice leading involving four-part chorale writing; diatonic harmony; and an introduction to secondary/applied chords and modulation.

Transfer: CSU; UC

C-ID MUS 130

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**MUS 204B MUSIC THEORY III 3.00**

4.00 hours per week: (2.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MUS 204A

Corequisites: MUS 205B

Incorporates the concepts from Music Theory II and continues the four semester program. Through writing and analysis, the course will include: introduction to chromatic harmony; secondary/applied chords; modulation; borrowed chords; introduction to Neapolitan and augmented-sixth chords. Required of all music majors.

Transfer: CSU; UC

C-ID MUS 140

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**MUS 204C MUSIC THEORY IV** **3.00**

4.00 hours per week: (2.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MUS 204B

Corequisites: MUS 205C

Incorporates the concepts from Music Theory III. Through writing and analysis, the course will include: post-Romantic techniques such as borrowed chords and modal mixture, chromatic mediants, Neapolitan and augmented-sixth chords, 9th, 11th and 13th chords, altered chords and dominants; and 20th century techniques such as: Impressionism, tone rows, set theory, pandiatonicism and polytonalism, meter and rhythm.

Transfer: CSU; UC

C-ID MUS 150

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**MUS 205A MUSICIANSHIP II** **1.00**

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Corequisites: MUS 204A

Applies and develops the rhythmic, melodic, and harmonic materials of Music Theory II through ear training, sight singing, analysis, and dictation.

Transfer: CSU; UC

C-ID MUS 135

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**MUS 205B MUSICIANSHIP III** **1.00**

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MUS 205A

Corequisites: MUS 204B

Applies and develops the rhythmic, melodic, and harmonic materials of Music Theory III through ear training, sight singing, analysis, and dictation.

Transfer: CSU; UC

C-ID MUS 145

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**MUS 205C MUSICIANSHIP IV** **1.00**

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MUS 205B

Corequisites: MUS 204C

Applies and develops the rhythmic, melodic, and harmonic materials of Music Theory IV through ear training, sight singing, analysis, and dictation.

Transfer: CSU; UC

C-ID MUS 155

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**MUS 212 APPLIED MUSIC (PRIVATE LESSONS)** **2.00**

7.00 hours per week: (0.00 lecture hours/7.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Final admittance to course based on audition.

Corequisites: One of the following: MUS 201 or, MUS 204A and 205A or, MUS 204B and 205B or, MUS 204C and 205C AND one of the following:

MUS 223 or, MUS 225 or, MUS 228 or, MUS 229 or, MUS 231 or, MUS 245

Consists of individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied. The emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. 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 time(s).

Transfer: CSU; UC

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**MUS 220 ELEMENTARY VOICE** **2.00**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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**MUS 222 INTERMEDIATE VOICE** **2.00**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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.

Transfer: CSU; UC

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**MUS 223 VOCAL JAZZ ENSEMBLE** **2.00 to 3.00**

6.00 - 9.00 hours per week: (0.00 lecture hours/6.00 - 9.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: MUS 228 or MUS 229

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 time(s).

Transfer: CSU; UC

C-ID MUS 180

[Click for Course Student Learning Outcomes](#)

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**MUS 224A BEGINNING VOCAL JAZZ WORKSHOP** **2.00**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: Audition or consent of instructor

Practice and study vocal jazz literature and techniques. Introduce vocal jazz improvisation and vocal jazz harmonies.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**MUS 224B INTERMEDIATE VOCAL JAZZ WORKSHOP** **2.00**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Audition or consent of instructor*

Practice and study vocal jazz literature and performance techniques. Develop and expand vocal jazz improvisation jazz harmonic skills. Learn how to lead your own band.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**MUS 225 WIND ENSEMBLE 2.00**

*4.00 hours per week: (1.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Audition or consent of director.*

Studies, rehearses, and performs of wind band literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Choice of ensemble is based on each student's identified major instrument. Limited to those students who have had experience with wind and percussion instruments.

*Repeatable 3 time(s).*

*Transfer: CSU; UC*

*C-ID MUS 180*

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**MUS 227 CHAMBER MUSIC ENSEMBLE 1.00 to 3.00**

*3.00 - 9.00 hours per week: (0.00 - 0.00 lecture hours/3.00 - 9.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Audition or consent of instructor.*

Studies, rehearses, and performs chamber music (small ensemble) literature, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester.

*Repeatable 3 time(s).*

*Transfer: CSU; UC*

*C-ID MUS 180*

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**MUS 228 MIXED CHORUS 1.00 to 3.00**

*3.00 - 9.00 hours per week: (0.00 lecture hours/3.00 - 9.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Audition or consent of instructor*

*Advisories: 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 time(s).*

*Transfer: CSU; UC*

*C-ID MUS 180*

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**MUS 229 CHAMBER SINGERS 2.00**

*4.00 hours per week: (1.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Audition or consent of instructor*

*Advisories: Previous choral experience*

Studies, rehearses, and public performs madrigals and vocal chamber literature of all cultures and time periods. Frequent performances on and off campus will be a large part of the class with different music each semester.

*Repeatable 3 time(s).*

*Transfer: CSU; UC*

*C-ID MUS 180*

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**MUS 231 JAZZ ENSEMBLE (BIG BAND) 1.50 to 3.00**

*2.50 - 5.00 hours per week: (1.00 - 2.00 lecture hours/1.50 - 3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: Ability to play an instrument and sight read. Audition or consent of instructor.*

Provides for study, rehearsal, and public performance of big band literature. This course has an emphasis on the development of skills needed to perform this music in an ensemble. Attendance at scheduled performances is required.

*Repeatable 3 time(s).*

*Transfer: CSU; UC*

*C-ID MUS 180*

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**MUS 232 BEGINNING JAZZ IMPROVISATION 2.00**

*3.00 hours per week: (1.50 lecture hours/1.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: MUS 201*

Introduces students to the skills and principles of Jazz Improvisation. Includes a basic study of scales, chords and the transcription process.

*Transfer: CSU; UC*

[Click for Course Student Learning Outcomes](#)

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**MUS 233 JAZZ IMPROVISATION 2.00**

*3.00 hours per week: (1.50 lecture hours/1.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: Completion of MUS 201 or equivalent and concurrent enrollment in MUS 227*

Provides an opportunity for the analysis and practice of jazz improvisation. Includes study of scales, chords and the transcription process.

*Transfer: CSU; UC*

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**MUS 234 ARRANGING, SCORING, AND ORCHESTRATION 2.00**

*2.00 hours per week: (2.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: MUS 204B or equivalent and knowledge of jazz literature, styles and basic piano skills.*

*Advisories: Concurrent enrollment in MUS 223, MUS 225, MUS 227, MUS 228, MUS 229, MUS 231, or MUS 232A.*

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.

*Transfer: CSU; UC*

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**MUS 235 MUSIC APPRECIATION: CLASSICAL MUSIC 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Surveys classical art music in western civilization. Topics

studied include but are not limited to elements of music, basic musical forms, music periods, styles, and the role of music and musicians in the western world.

*Transfer: CSU; UC*

*C-ID MUS 100*

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**MUS 236 MUSIC APPRECIATION: WORLD MUSIC 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Surveys the music that is unique to different parts of the world. There will be emphasis on the elements of each kind of music, the instruments, form, style and the role that each music plays in its society.

*Transfer: CSU; UC*

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**MUS 237 MUSIC APPRECIATION: ROCK AND ROLL 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

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.

*Transfer: CSU; UC*

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**MUS 238 MUSIC APPRECIATION: JAZZ HISTORY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

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.

*Transfer: CSU; UC*

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**MUS 240 RECORDING ARTS I: FUNDAMENTALS OF AUDIO TECHNOLOGY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: MUS 201*

Introduction to audio technology, including sound characteristics, signal flow, basic recording console functions, microphone types and techniques, signal processing, and mixing techniques.

*Transfer: CSU*

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**MUS 241 RECORDING ARTS II: STUDIO WORKSHOP 3.00**

*4.00 hours per week: (3.00 lecture hours/1.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: MUS 240*

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 Avid Pro Tools HD System and D-Command Console.

*Transfer: CSU*

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**MUS 242 RECORDING ARTS III: ADVANCED AUDIO TECHNOLOGY 3.00**

*4.00 hours per week: (3.00 lecture hours/1.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: MUS 241*

Provides an advanced study of new technologies, focusing on an in-depth look at recording, editing and mixing within the AVID HDX Pro Tools environment and the AVID S6 M40 Digital Console.

*Transfer: CSU*

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**MUS 243 RECORDING ARTS IV: STUDIO WORKSHOP II 4.00**

*6.00 hours per week: (3.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: MUS 240 and MUS 241 and MUS 242 and MUS 201*

Completes the Audio Technology Certificate of Specialization. This is a project-based course that offers students studio time to track, edit, mix, master and create a portfolio from a variety of musical sources selected by both the instructor and student.

*Transfer: CSU*

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**MUS 244A BEGINNING SMALL GROUP JAZZ PEDAGOGY PRACTICUM 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: MUS 245 or Consent of Instructor*

Gives students a chance to develop rehearsal and teaching skills under the guidance of a master teacher in the small group jazz setting. Each student will be required to lead rehearsals and develop a notebook of rehearsal techniques.

*Transfer: CSU; UC*

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**MUS 244B ADVANCED SMALL GROUP JAZZ PRACTICUM 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: MUS 245*

Gives students a chance to develop rehearsal and teaching skills under the guidance of a master teacher and experience leadership in the small group jazz setting. Each student will be required to lead rehearsals and develop a notebook of rehearsal techniques.

*Transfer: CSU; UC*

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**MUS 245 JAZZ WORKSHOP 2.00**

*4.00 hours per week: (1.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: Audition or consent of instructor.*

*Advisories: Ability to play an instrument*

Performs music for small jazz ensembles, with an emphasis on the development of skills needed to publicly perform this music. The class is divided into different groups all playing different literature each semester. Stresses stylistic interpretation and ensemble playing.

*Repeatable 3 time(s).*

Transfer: CSU; UC

C-ID MUS 180

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**MUS 247 INDEPENDENT STUDIES: MUSIC 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: Audition 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.

Transfer: CSU; UC

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**MUS 257 ELEMENTARY PIANO FOR MUSICIANS 2.00**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: The ability to read standard music notation.

Introduces the student to piano skills needed to pass a piano proficiency examination including practical keyboard facility, elementary sight-reading, harmony, transposition, ensemble playing, open score reading and performance of elementary and intermediate piano repertoire. It is assumed that the student can read standard music notation.

Transfer: CSU; UC

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**MUS 258 ELEMENTARY PIANO 2.00**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces the student to practical keyboard facility, reading music notation, elementary sight reading, harmony and performance of elementary piano repertoire.

Transfer: CSU; UC

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**MUS 259 INTERMEDIATE PIANO 1.00 to 2.00**

2.00 - 4.00 hours per week: (0.50 - 1.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: MUS 258 or equivalent or audition and/or consent of the 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.

Transfer: CSU; UC

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**MUS 266 CHORAL MUSIC 1: MUSIC OF THE MASTERS 2.00**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Audition for placement and consent of the instructor

Study and performance of major historical choral works with emphasis on master composers. These include, but are not limited to, J.S. Bach, W.A. Mozart, Joseph Haydn, Felix Mendelssohn, Johannes Brahms, Ludwig van Beethoven, Giuseppe Verdi, Benjamin Britten, and Igor Stravinsky. Students will develop and improve choral music techniques through rehearsing great choral works. Auditions will be scheduled at the beginning of each semester. May be taken four semesters for credit.

Transfer: CSU

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**MUS 267 OPERA/MUSICAL THEATER WORKSHOP 2.00**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: MUS 220

Presents an opportunity for students to prepare dramatic musical material, including ensemble as well as solo pieces, and allow them to explore acting and movement principles in performance. The course will be a combination of discussions on dramatic and character analysis, individual coaching sessions, rehearsal and performances.

Transfer: CSU; UC

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**MUS 270 ELEMENTARY GUITAR 2.00**

3.00 hours per week: (1.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

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.

Transfer: CSU; UC

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**MUS 271 INTERMEDIATE GUITAR 2.00**

3.00 hours per week: (1.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: MUS 270 or equivalent playing experience and ability to read standard music notation.

Continues the foundational techniques of playing the guitar and provides more depth of skill study. Topics include playing more advanced literature, chords, scales and accompaniment.

Transfer: CSU; UC

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**NONCREDIT CAREER TECHNICAL EDUCATION**

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**NCTE 510 CULINARY ARTS FUNDAMENTALS I 0**

5.00 hours per week: (1.00 lecture hours/4.00 lab hours)

Noncredit

Non-Credit Gradeable Course/SP

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.

Repeatable.

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**NCTE 520 CULINARY ARTS FUNDAMENTALS II 0**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Noncredit

Non-Credit Gradeable Course/S

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.

*Repeatable.*

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**NCTE 525 BAKING AND BAKING SCIENCE I 0**

*2.00 hours per week: (0.50 lecture hours/1.50 lab hours)*

*Noncredit*

*Non-Credit Gradeable Course/SP*

*Prerequisites: NCTE 520*

Introduces the student to the basic skills needed for professional baking. Enables the student to learn and practice the skills and methods of the production of bread, desserts, and other baked goods using quantity production techniques.

*Repeatable.*

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**NCTE 701 ACADEMIC FUNDAMENTALS 0.00**

*1.50 - 3.00 hours per week: (0.00 lecture hours/1.50 - 3.00 lab hours)*

*Noncredit*

*Non-credit Course*

Provides adults with basic academic skills to enhance employability and job success, while increasing independence in daily life. Students work at their own pace with faculty guidance and support. Pre-testing to determine baseline skills, ongoing monitoring, and post-testing to measure competencies for every student are components of the course. This is a noncredit course designed to support the educational program for persons seeking employment.

*Repeatable.*

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**NCTE 705 TRANSITION READINESS PREPARATION 0.00**

*1.5 - 3.00 hours per week: (0.00 lecture hours/1.50 - 3.00 lab hours)*

*Noncredit*

*Non-credit Course*

Provides students with programs designed to improve basic skills in reading, vocabulary, spelling, grammar, writing, mathematics, study skills, and English as a Second Language. Students work independently and at their own pace with faculty guidance and support using computers, audio-tutorial tapes, books and supplemental materials. This is a noncredit course designed to support the educational program for persons seeking employment and or to transition to other academic programs.

*Repeatable.*

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**NCTE 710 EMPLOYABILITY SKILLS 0 to 0**

*3.00 - 6.00 hours per week: (0.00 - 0.00 lecture hours/3.00 - 6.00 lab hours)*

*Noncredit*

*Non-credit Course*

Provides students with fundamental job exploration and workplace readiness skills. This course prepares students for successful employment by engaging them in job exploration and job-seeking, workplace, and life skills. This is a noncredit course designed to support the educational program for persons seeking employment.

*Repeatable.*

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**NCTE 730 WELLNESS ARTS FOR WORK AND COLLEGE SUCCESS 0.00**

*3.00 hours per week: (1.50 lecture hours/1.50 lab hours)*

*Noncredit*

*Non-credit Course*

Presents art as a tool for processing, expressing, and managing emotional health as a component of success in the college environment or workplace. Integrates art and the fundamentals of wellness to mitigate disability-related environmental, emotional, and sensory stressors, along with the anxiety, frustration, and self-doubt commonly experienced in college and work environments. This is a noncredit course designed to support the educational program for persons seeking employment or transitioning into other college programs.

*Repeatable.*

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**NCTE 740 WORK SKILLS 0.00**

*3.00 - 6.00 hours per week: (0.00 lecture hours/3.00 - 6.00 lab hours)*

*Noncredit*

*Non-credit Course*

Introduces technical, safety and workplace skills through work experience in a work environment in diverse areas of vocational activity aligned with local employment opportunities. This is a non-credit course designed to support the educational program for persons seeking employment.

*Repeatable.*

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## NURSING ASSISTANT

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**NAST 148 NURSING ASSISTANT 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Corequisites: NAST 148L*

*Advisories: ENGL 156*

Presents theory necessary for basic nursing care. Upon completion of this course, students are eligible to take the National Nurse Assistant Training and Assessment Program Test (NNAAP). Based on state background clearance and success on the NNAAP, students will obtain a certificate as a Certified Nurse Assistant in the state of California.

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**NAST 148L NURSING ASSISTANT LAB 2.00**

*6.00 hours per week: (0.00 lecture hours/6.00 lab hours)*

*Credit - Degree Applicable*

*P/NP Only*

*Corequisites: NAST 148*

Presents skills necessary for basic nursing care. Requires supervised clinical experiences in a skilled nursing facility. Must be able to lift 50#. Upon completion of this course, students are eligible to take the National Nurse Assistant Training and Assessment Program Test (NNAAP). Based on state background clearance and success on the NNAAP, students will obtain a certificate as a Certified Nurse Assistant in the state of California.

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**NAST 193 NURSING ASSISTANT SPECIAL TOPIC 0.50 to 4.00**

*1.50 - 12.00 hours per week: (0.00 lecture hours/1.50 - 12.00 lab hours)*



Credit - Degree Applicable

Letter Grade or P/NP

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

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## NURSING REGISTERED ASSOCIATE DEGREE

### NRAD 004E NCLEX PREPARATION 0.50

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

P/NP Only

Corequisites: 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.

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### NRAD 103H THIRD SEMESTER NURSING READINESS 0.50

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Corequisites: NRAD 203A

A course designed for registered nursing students entering the third semester. Nursing concepts necessary for success in the third semester are reviewed.

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### NRAD 120A SUPPLEMENTARY NURSING SKILLS PRACTICE FIRST SEMESTER 0.50 to 1.00

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

P/NP Only

Prerequisites: Enrollment in the nursing program.

Corequisites: NRAD 201B

Provide students the opportunity to practice first semester nursing skills presented in 201B through assessment, demonstration and practice. Practice opportunities vary from highly structured to less structured simulated clinical situations. Note: 0.5 unit required in first semester.

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### NRAD 120B SUPPLEMENTARY NURSING SKILLS PRACTICE SECOND SEMESTER 0.50 to 1.00

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

P/NP Only

Corequisites: NRAD 202B

Designed to provide students the opportunity to practice second semester nursing skills presented in 202B through assessment, demonstration and practice. Practice opportunities vary from highly structured to less structured simulated clinical situations. Note: 0.5 unit required in second semester.

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### NRAD 120C SUPPLEMENTARY NURSING SKILLS PRACTICE THIRD SEMESTER 0.50 to 1.00

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

P/NP Only

Corequisites: NRAD 203B

Designed to provide students the opportunity to practice third semester nursing skills presented in 203B through assessment, demonstration and practice. Practice opportunities vary from highly structured to less structured simulated clinical situations. Note: 0.5 unit required in third semester.

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### NRAD 120D SUPPLEMENTARY NURSING SKILLS PRACTICE FOURTH SEMESTER 0.50 to 1.00

1.50 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 3.00 lab hours)

Credit - Degree Applicable

P/NP Only

Corequisites: NRAD 204B

Designed to provide students the opportunity to practice nursing skills presented in semesters one through four through assessment, demonstration and practice. Practice opportunities vary from highly structured to less structured simulated clinical situations. Note: This class is optional.

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### NRAD 193 NURSING SPECIAL TOPIC 0.50 to 4.00

1.50 - 12.00 hours per week: (0.00 lecture hours/1.50 - 12.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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### NRAD 201 FOUNDATIONS OF NURSING/CARING 2.00

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: 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

[Click for Course Student Learning Outcomes](#)

### NRAD 201A NURSE CARING CONCEPTS 2.00

2.00 hours per week: (2.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Admittance into the registered nursing program.

Corequisites: 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

[Click for Course Student Learning Outcomes](#)

### NRAD 201B NURSE CARING PRACTICUM I 5.00

11.00 hours per week: (2.00 lecture hours/9.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: Admission to the registered nursing program and Current Health Care Provider CPR card is required

Corequisites: 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*

[Click for Course Student Learning Outcomes](#)

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**NRAD 201D DECISION MAKING DATA I 2.00**

*2.00 hours per week: (2.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: Admittance into the registered nursing program*

*Corequisites: 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*

[Click for Course Student Learning Outcomes](#)

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**NRAD 202A NURSE CARING FAMILY CONCEPTS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: NRAD 201B and/or admission to the nursing program*

*Corequisites: 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 assuming responsibility for health promotion and learning. Emphasizes planning, implementation and evaluation of nursing process in a multicultural society.

*Transfer: CSU*

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**NRAD 202B NURSE CARING PRACTICUM II 8.00**

*20.00 hours per week: (2.00 lecture hours/ 18.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: NRAD 201B and/or Admission to the nursing program and Current Health Care Provider CPR card is required*

*Corequisites: 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 relevant nursing care for maternity clients, infants, children, and young/middle-aged adults instructed clinical practice in a way that is culturally competent.

*Transfer: CSU*

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**NRAD 202D DECISION MAKING DATA II 2.00**

*2.00 hours per week: (2.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: NRAD 201B and/or Admission to nursing program*

*Corequisites: NRAD 202A*

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*

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**NRAD 203 NURSING TRANSITIONS 1.00**

*0.89 hours per week: (0.89 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

Introduces caring theory as the essence of nursing. 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*

[Click for Course Student Learning Outcomes](#)

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**NRAD 203A NURSE CARING CONCEPTS III 2.00**

*2.00 hours per week: (2.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: NRAD 202D and/or admission to the nursing program*

*Corequisites: 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, hematologic, and vascular problems. Emphasizes nursing intervention.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**NRAD 203B NURSE CARING PRACTICUM III 5.00**

*11.00 hours per week: (2.00 lecture hours/9.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: NRAD 202D and/or admission to the nursing program and Current Health Care Provider CPR card is required*

*Corequisites: 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 various clinical settings.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**NRAD 203D NURSE CARING FOR MEDICAL-SURGICAL CLIENTS 2.00**

*2.00 hours per week: (2.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: NRAD 202D and/or admission to the nursing program*

*Corequisites: NRAD 203A*

Applies nursing interventions of prevention, maintenance, restoration and caring to a variety of health problems: neurologic, genito-urinary, renal, endocrine. Content is related to pathophysiology, life span, barriers to goal-setting, nursing process and teaching/ learning. Emphasis is also placed on the impact that this situational crisis has on the client

and families ability to cope.

*Transfer: CSU*

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**NRAD 204 NURSE LEADERSHIP/MANAGEMENT 1.00**

*1.00 hours per week: (1.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: NRAD 203D and/or admission to the nursing program*

*Corequisites: 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*

[Click for Course Student Learning Outcomes](#)

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**NRAD 204A NURSE CARING CONCEPTS FOR CLIENTS PSYCHIATRICALY AT RISK 2.00**

*2.00 hours per week: (2.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: NRAD 203D and/or admission to the nursing program*

*Corequisites: 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*

[Click for Course Student Learning Outcomes](#)

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**NRAD 204B NURSE CARING FOR PEOPLE AT RISK PRACTICUM 6.00**

*18.00 hours per week: (0.00 lecture hours/ 18.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: NRAD 203D and/or admission to the nursing program and Current Health Care Provider CPR card is required*

*Corequisites: 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*

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**NRAD 204D NURSE CARING FOR PEOPLE AT RISK CONCEPTS 2.00**

*2.00 hours per week: (2.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: NRAD 203D and/or admission to the nursing program*

*Corequisites: NRAD 204*

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, life style changes to promote health, and culturally relevant care are presented.

*Transfer: CSU*

[Click for Course Student Learning Outcomes](#)

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**NRAD 219A BEGINNING STUDENT INTERNSHIP 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*P/NP Only*

*Prerequisites: NRAD 202B: NURSE CARING PRACTICUM II*

Provides the opportunity to practice selected nursing skills learned during the first and second semester of the Associate Degree Nursing program under the supervision of the agency Registered Nurse mentor. Offers work experience in a participating agency.

*Transfer: CSU*

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**NRAD 219B INTERMEDIATE STUDENT INTERNSHIP 1.00**

*3.00 hours per week: (0.00 lecture hours/3.00 lab hours)*

*Credit - Degree Applicable*

*P/NP Only*

*Prerequisites: NRAD 203B with a minimum grade of C or better*

Provides the opportunity to practice selected nursing skills learned during the first, second and third semester of the Associate Degree Nursing program under the supervision of the agency Registered Nurse mentor. Offers work experience in a participating agency.

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**NRAD 222 MEDICAL TERMINOLOGY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: ENGL 156*

Introduces medical terminology for body structure, body systems, and diagnostic work. Prefixes, suffixes and combined root forms are used to identify medical terms.

*Transfer: CSU*

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**NUTRITION**

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**NUTR 193 NUTRITION SPECIAL TOPIC 0.50 to 4.00**

*0.00 - 0.00 hours per week: (0.00 lecture hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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**NUTR 210 NUTRITION 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Examines nutritional needs throughout the life cycle including the interpretation of the chemical composition of food as applied to the utilization of nutrients in the body.

*Transfer: CSU; UC*

*C-ID NUTR 110*

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**NUTR 211 INTRODUCTION TO NUTRITION FOR HEALTH PROFESSIONALS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

Letter Grade or P/NP  
Advisories: ENGL 156

Studies the nutritional needs of the human life cycle and examines the biological function and chemical classification of nutrients. Relates nutrition concepts to health and disease. This course is designed for current or prospective members of health professions such as nurses, physicians, physician assistants, dietitians, dentists, dental hygienists, physical therapists and occupational therapists.

Transfer: CSU

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**NUTR 218 MATERNAL AND CHILD NUTRITION 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Examines the nutritional requirements of the pregnant woman, developing fetus, infant, toddler and child.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**NUTR 213 FOOD SAFETY AND SANITATION 0.50**

(Formerly CULART13, CUL213)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

[Click for Course Student Learning Outcomes](#)

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**NUTR 222 CULTURAL ASPECTS OF FOOD 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: NUTR 210

Examines the impact of stereotypes, stigmas, and discrimination on the health of non-dominant ethnic/racial and select minority groups (women, children and religious) based on their heritage consistent food patterns and preferences. Various socio-political, industrial, environmental, communication styles, and psychological factors influencing assimilation and acculturation will be analyzed to promote prejudice reduction and understanding of the meaning of food to cultures around the world. Non-traditional and/or experiential teaching/learning strategies may be used to evaluate nutritional excesses as well as deficiencies across the life span.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**NUTR 224 GERONTOLOGICAL NUTRITION 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces the basic nutrition concepts and theories that impact the nutritional status of older persons. Emphasis is placed on the physiologic changes of aging and the effect on nutrition status; the factors that influence nutrient

intakes and what diet and/or exercise changes may correct nutrition deficiencies and/or stabilize chronic diseases.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**NUTR 230 NUTRITION FOR FITNESS AND SPORT 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156 and NUTR 210

Presents a specialized course relating nutrition to physical performance and fitness. Explores current trends, controversies, and professional publications. Provides opportunity to analyze various dietary recommendations and relate them to specific physical needs.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

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**NUTR 232 PRINCIPLES OF FOOD WITH LAB 3.00**

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Applies food science principles with emphasis on ingredient function and interaction, food preparation techniques, sensory evaluation standards, food safety and sanitation, and nutritional values.

Transfer: CSU

C-ID NUTR 120

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**NUTR 247 INDEPENDENT STUDIES: NUTRITION 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of nutrition under the direction of an instructor.

Transfer: CSU

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## OCEANOGRAPHY

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**OCEN 210 OCEANOGRAPHY 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: MATH 123

Advisories: ENGL 156

An introductory course designed to acquaint the student with general oceanography. Topics treated include the history and scope of oceanography, properties of sea water, ocean currents, ocean waves and tides, submarine morphology and geology, marine sediments, life in the sea, and the significance of the oceans to local and global environments.

Transfer: CSU; UC

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**OCEN 210L OCEANOGRAPHY LABORATORY 1.00**

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: Completion of or concurrent enrollment in OCEN 210.

Laboratory and field investigations of marine environments,

including geologic, physical, chemical, and biological aspects of the ocean and coastal area. The course emphasizes changing physical factors and human activities as they affect the oceans.

*Transfer: CSU; UC*

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**OCEAN 247 INDEPENDENT STUDIES: OCEANOGRAPHY 0.50 to 4.00**

*0.80 - 6.00 hours per week: (0.00 - 0.00 lecture hours/0.80 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Provides an opportunity for an in-depth study or a practicum experience by an individual student in a selected topic of Oceanography under the direction of an instructor.

*Transfer: CSU*

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**PARALEGAL**

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**PLGL 131 CURRENT ETHICAL ISSUES FOR PARALEGALS 1.00**

*1.00 hours per week: (1.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

Examines current ethical issues for paralegals using case law and examples of lawyer and paralegal misconduct.

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**PLGL 147 INDEPENDENT STUDIES: PARALEGAL 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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.

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**PLGL 193 PARALEGAL SPECIAL TOPIC 0.50 to 4.00**

*0.00 - 0.00 hours per week: (0.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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**PLGL 201 INTRODUCTION TO PARALEGAL STUDIES 3.00**

*4.00 hours per week: (2.50 lecture hours/1.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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*8.00 hours per week: (0.50 lecture hours/7.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Advisories: PLGL 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*

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**PLGL 205 CIVIL PROCEDURE and LITIGATION 4.00**

*5.00 hours per week: (3.50 lecture hours/1.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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**PLGL 206 BUSINESS ORGANIZATIONS 3.00**

*(Formerly LGL206)*

*4.00 hours per week: (2.50 lecture hours/1.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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**PLGL 207 FAMILY LAW 3.00**

*(Formerly PLGL107, LGL207)*

*4.00 hours per week: (2.50 lecture hours/1.50 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

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*

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**PLGL 203 PARALEGAL INTERNSHIP 3.00**

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**PLGL 208 ESTATE PLANNING AND ADMINISTRATION 3.00**

(Formerly LGL208)

4.00 hours per week: (2.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Introduces the fundamental principles of estate planning and administration along with the terminology, procedures, and legal document and form preparation involved in estate planning and administration matters. Topics cover aspects of estate planning including the preparation of wills, trusts, and related documents along with aspects of estate administration including probate proceedings and estate disposition outside of probate.

Transfer: CSU

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**PLGL 209 TECHNOLOGY IN THE LAW OFFICE 3.00**

4.00 hours per week: (2.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: CIS 210

Introduces the student to the use of technology by paralegals in the law office. Includes an overview of technology in the law office and the ethical issues raised by the use of such technology. Covers computer applications in the law office including word processing and document assembly, spreadsheets, database management, law office management, case management and litigation support as well as electronic discovery. Also covers computer assisted legal research including CD-ROM and internet legal and factual research.

Transfer: CSU

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**PLGL 220 LEGAL RESEARCH AND WRITING 4.00**

(Formerly LGL220)

4.00 hours per week: (4.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 201A

Provides 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, opinion letters, and memoranda, employing the IRAC (issue, rule, analysis, conclusion) legal analytical formula.

Transfer: CSU

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**PARAMEDIC**

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**SEE EMERGENCY MEDICAL SERVICES**

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**PERSONAL DEVELOPMENT STUDIES**

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**PEDS 110 CAREER PLANNING: COMPREHENSIVE 3.00**

(Formerly WEXP110)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Advisories: ENGL 156

Introduces a decision-making process that will help students envision and plan for a future that is productive, achievable, and stimulating. The culmination of this process is the development of an online career and education 10-year plan that can be used for advisory and academic coaching purposes and updated as students grow, change, or face transitions. The personalized 10-year plan provides the focus and intrinsic motivation to succeed in college, at work, and in life.

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**PEDS 111 CAREER PLANNING: ATTITUDES AND APTITUDES 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Presents students with the second installment of an online career and education 10-year plan. The personalized 10-year plan provides the focus and intrinsic motivation to succeed in college, at work, and in life. Students revisit the plan as they explore the following: how their year-to-year changes impact lifestyle, career and education goals; high-demand careers that match their interests and aptitudes; education and training options and how to make school affordable; skills needed for college and career success; and how to update their 10-year plan to keep their future on schedule.

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**PEDS 112 CAREER PLANNING: POST-SECONDARY EDUCATION PATH 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Presents students with the third installment of an online career and education 10-year plan. The personalized 10-year plan provides the focus and intrinsic motivation to succeed in college, at work, and in life. Students explore the following: determining a major and college or post-secondary educational options; writing important documents, such as a resume, college essay, and planning timelines; and developing an educational plan that will assure they are college and career ready.

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**PEDS 113 CAREER PLANNING: ACTING UPON THE 10-YEAR PLAN 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Presents students with the fourth and last installment of an online career and education 10-year plan. The personalized 10-year plan provides the focus and intrinsic motivation to succeed in college, at work, and in life. Students explore the following: developing a post-secondary education and training paths; writing a resume, college or job applications,

admissions essays and timelines; and designing an education plan to assure they are college and career ready.

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**PEDS 120 WORKPLACE READINESS FUNDAMENTALS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Not Degree Applicable*

*Letter Grade Only*

Introduces fundamentals of workplace readiness, job search and job retention. Students will gain an understanding of the role and value of working; identify and implement steps involved in obtaining employment; identify and demonstrate the employability skills associated with maintaining employment; and describe and apply basic employee money management skills.

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**PHILOSOPHY**

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**PHIL 205 INTRODUCTION TO THE BIBLE 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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**PHIL 206 INTRODUCTION TO PHILOSOPHY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Introduces the ideas and methods of major philosophers through the critical reading of selections from primary texts. Emphasis will be placed on the philosophical subfields of metaphysics, epistemology, and ethics. May also include philosophical examination of topics in religion, science, language, art, or politics.

*Transfer: CSU; UC*

*C-ID PHIL 100*

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**PHIL 208 INTRODUCTION TO LOGIC 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 156*

Introduces the basic principles of both deductive and inductive reasoning. Treatment of deductive reasoning emphasizes translation, truth tables, and natural deduction in sentential logic. Treatment of inductive reasoning emphasizes inductive argument forms, functions of language, and informal fallacies.

*Transfer: CSU; UC*

*C-ID PHIL 110*

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**PHIL 209 WORLD RELIGIONS 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

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**PHIL 212 PHILOSOPHICAL CLASSICS IN THEORY OF REALITY AND OF KNOWLEDGE 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Presents an in-depth study of problems in the theory of reality and the theory of knowledge by means of a critical analysis of a selection of classics in philosophy.

*Transfer: CSU; UC*

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**PHIL 213 PHILOSOPHICAL CLASSICS IN ETHICS AND SOCIAL PHILOSOPHY 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: ENGL 201A*

Studies problems in ethics and social philosophy by critically analyzing a selection of classic texts.

*Transfer: CSU; UC*

*C-ID PHIL 120*

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**PHIL 247 INDEPENDENT STUDIES: PHILOSOPHY 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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.

*Transfer: CSU*

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**PHLEBOTOMY**

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**SEE MEDICAL ASSISTING**

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**PHYSICS**

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**PHYS 193 PHYSICS SPECIAL TOPIC 0.50 to 4.00**

*0.00 - 0.00 hours per week: (0.00 - 0.00 lecture hours/0.00 - 0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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**PHYS 193C FIELD STUDIES IN PHYSICS 1.00**

*1.00 hours per week: (1.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

Letter Grade or P/NP

Explores the principles of nuclear physics at the particle accelerator in CERN, Switzerland.

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**PHYS 193E ADVANCED PROBLEM SOLVING FOR PHYS 208B** **1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Corequisites: PHYS 208B

Supplements PHYS 208B to further develop general physics skills and conceptual understanding. Provides the opportunity for additional assistance in developing and mastering problem-solving abilities.

[Click for Course Student Learning Outcomes](#)

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**PHYS 205A GENERAL PHYSICS** **4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 229 or MATH 231

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

C-ID PHYS 105. PHYS 205A+205B = C-ID PHYS 100S

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**PHYS 205B GENERAL PHYSICS** **4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: PHYS 205A

Presents the principles of geometric optics, physical optics, static and dynamic electricity and magnetism, introductory DC and AC circuit theory, modern physics topics (relativity, particles and waves, atomic structure, radioactivity and nuclear reactions) using trigonometry.

Transfer: CSU; UC

C-ID PHYS 110. PHYS 205A+205B = C-ID PHYS 100S

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**PHYS 208A PRINCIPLES OF PHYSICS 1** **5.00**

7.00 hours per week: (4.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: 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

C-ID PHYS 205. PHYS 208A+208B+208C = C-ID PHYS 200S

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**PHYS 208AX DIRECTED PROBLEM SOLVING METHODS FOR PHYS 208A** **1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Corequisites: PHYS 208A

Presents problem-solving and fundamental reasoning skills needed for success in PHYS 208A, Principles of Physics I. This course is designed for students who are currently

enrolled in PHYS 208A and seek to improve their problem solving skills and mastery of concepts presented in PHYS 208A. Topics include specific techniques for solving kinematics, force, energy, momentum, torque, thermodynamics, fluid mechanics, and simple harmonic motion problems, analysis of word problems, and the development of solution maps.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)

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**PHYS 208B PRINCIPLES OF PHYSICS 2** **5.00**

7.00 hours per week: (4.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: MATH 265B or equivalent and PHYS 208A

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

C-ID PHYS 210. PHYS 208A+208B+208C = C-ID PHYS 200S

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**PHYS 208BX DIRECTED PROBLEM SOLVING METHODS FOR PHYS 208B** **1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Corequisites: PHYS 208B

Presents problem-solving and fundamental reasoning skills needed for success in PHYS 208B, Principles of Physics II. This course is designed for students who are currently enrolled in PHYS 208B and seek to improve their problem solving skills and mastery of concepts presented in PHYS 208B. Topics include specific techniques for modeling wave phenomena including sound, electromagnetic, and physical waves, and problem solving techniques utilized in charged systems subjected to magnetic fields.

Transfer: CSU

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**PHYS 208C MODERN PHYSICS** **4.00**

6.00 hours per week: (3.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: PHYS 208B

Presents the principles of relativity, waves and particles, Bohr theory, quantum mechanics and Schrodinger's equation, elementary atomic structure, nuclear structure and radioactivity using calculus and vector algebra.

Transfer: CSU; UC

C-ID PHYS 215. PHYS 208A+208B+208C = C-ID PHYS 200S

[Click for Course Student Learning Outcomes](#)

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**PHYS 218 APPLIED PROBLEMS FOR CALCULUS-BASED PHYSICS** **1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

P/NP Only

Corequisites: PHYS 208A or PHYS 208B

Develops problem-solving skills that directly assist student mastery of concepts presented in PHYS 208 classes.

Transfer: CSU; UC

[Click for Course Student Learning Outcomes](#)



## POLITICAL SCIENCE

### **POLS 201 INTRODUCTION TO POLITICAL SCIENCE 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Surveys the scope, methods and theories of political science with special emphasis on contemporary political issues and problems.

Transfer: CSU; UC

C-ID POLS 150

[Click for Course Student Learning Outcomes](#)

### **POLS 202 GOVERNMENT AND POLITICS OF THE UNITED STATES 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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

C-ID POLS 110

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### **POLS 204 WORLD POLITICS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Examines the nature of relations among states. Analyzes the basic forces affecting the formulation and implementation 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, and the consequences of those contemporary problems.

Transfer: CSU; UC

C-ID POLS 140

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### **POLS 205 LAW AND POLITICS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: 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; UC

[Click for Course Student Learning Outcomes](#)

### **POLS 206 COMPARATIVE GOVERNMENT 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Compares and analyzes different kinds of political systems;

their history, political institutions, political processes, and the environments in which they occur and their consequences.

Transfer: CSU; UC

C-ID POLS 130

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### **POLS 209 INTRODUCTION TO POLITICAL THEORY 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: POLS 201 and 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

C-ID POLS 120

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### **POLS 247 INDEPENDENT STUDIES: POLITICAL SCIENCE 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Provides an opportunity for an in-depth study or practicum experience by an individual student in a selected topic of government under the direction of an instructor.

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## PROFESSIONAL DEVELOPMENT STUDIES

### **PDS 030 WELLNESS ARTS 2.00**

(Formerly ACSK093A, WEXP 030)

3.00 hours per week: (1.50 lecture hours/1.50 lab hours)

Credit - Not Degree Applicable

P/NP Only

Presents art as a tool for processing, expressing and managing mental health issues as they relate to succeeding in a college environment. Examines the fundamentals of mental wellness in the college setting and provides strategies for maintaining positive mental health. Designed for students who struggle with levels of anxiety, sadness, intrusive thoughts, and social phobia that may make attending and succeeding in college difficult.

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### **PDS 101 SURVEY OF OFFICE PROCEDURES 1.00**

(Formerly WEXP193R, WEXP143)

2.00 hours per week: (0.50 lecture hours/1.50 lab hours)

Credit - Not Degree Applicable

P/NP Only

Presents a basic overview of professional office procedures in a hands-on learning environment, with an emphasis on the foundational knowledge and skills required for a basic entry level administrative office support position.

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### **PDS 102 SURVEY OF RETAIL PROCEDURES 1.00**

(Formerly WEXP 193T, WEXP145)

2.00 hours per week: (0.50 lecture hours/1.50 lab hours)

Credit - Not Degree Applicable

P/NP Only

Presents a basic overview of professional retail procedures in a hands-on environment, with an emphasis on the four-

dational knowledge and skills required for basic entry-level retail positions.

[Click for Course Student Learning Outcomes](#)

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**PDS 120A BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING 3.00**

(Formerly CAO20A, CAO120A)

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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.

[Click for Course Student Learning Outcomes](#)

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**PDS 120B INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING 3.00**

(Formerly CAO20B, CAO120B)

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

[Click for Course Student Learning Outcomes](#)

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**PDS 150 PROJECT MANAGEMENT FUNDAMENTALS 1.00**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides students with an overview of the concepts, tools, techniques and results of successful project management. Using hands-on learning activities, this course investigates the role and responsibilities of the Project Manager and introduces the student to the steps involved in planning and managing a project from beginning to end.

[Click for Course Student Learning Outcomes](#)

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**PDS 162 INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING 1.00**

(Formerly CAO62, CAO162)

1.50 hours per week: (0.75 lecture hours/0.75 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces typing fundamentals, machine functions, keyboard use, and speed and accuracy drills. Designed to develop a minimum typing speed of 20 words a minute.

[Click for Course Student Learning Outcomes](#)

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**PDS 166 INTRODUCTION TO COMPUTER BASICS 1.00**

(Formerly CAO66, CAO266)

1.50 hours per week: (1.00 lecture hours/0.50 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

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**PDS 170 DEALING WITH CHANGE 0.50**

(Formerly BUS170)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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 and individual change, theoretical models of change, and how to manage change.

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**PDS 171 TEAM BUILDING 0.50**

(Formerly BUS171)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

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**PDS 172 COMMUNICATING WITH PEOPLE 0.50**

(Formerly BUS172)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

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**PDS 173 CONFLICT RESOLUTION 0.50**

(Formerly BUS173)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides the student with an analysis of attitudes and behavior which create conflict between individuals and groups within an organization.

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**PDS 174 CUSTOMER SERVICE 0.50**

(Formerly BUS174)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

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**PDS 175 VALUES & ETHICS 0.50**

(Formerly BUS175)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Acquaints the student with the importance of values and ethics in the workplace. The importance of values and ethics involved in carrying out one's duties will be emphasized.

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**PDS 176 ATTITUDE IN THE WORKPLACE 0.50**

(Formerly BUS176)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

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**PDS 177 STRESS MANAGEMENT 0.50**

(Formerly BUS177)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Acquaints the student with various skills the supervisor needs to help employees. Included is the recognition of stress and how to manage it.

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**PDS 178 DECISION MAKING & PROBLEM SOLVING 0.50**

(Formerly BUS178)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces the student to decision making and problem solving for the workplace.

[Click for Course Student Learning Outcomes](#)

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**PDS 179 TIME MANAGEMENT 0.50**

(Formerly BUS179)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Introduces the student to time management principles and specific tools that assist in making maximum use of time.

[Click for Course Student Learning Outcomes](#)

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**PDS 181 PROFESSIONAL IMAGE: APPEARANCE, ETIQUETTE & NETWORKING 0.50**

(Formerly BUS181)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

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**PDS 182 GOAL SETTING: VISION, GOALS AND JOB SEARCH STRATEGIES 0.50**

(Formerly BUS182)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

[Click for Course Student Learning Outcomes](#)

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**PDS 183 IMPACTS OF TECHNOLOGY ON COMMUNICATION 0.50**

(Formerly BUS183)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Equips the student to communicate professionally and effectively when using various forms of electronic/technology communication tools. Includes telephone etiquette and techniques, e-mail, text messaging and other business-related technologies.

[Click for Course Student Learning Outcomes](#)

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**PDS 190 SUPERVISION AND MANAGEMENT ACADEMY: EXPAND YOUR MANAGEMENT PERSPECTIVE 0.50**

(Formerly BUS190)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Builds on the students' past and current experience as a manager supervising employees. This advanced class facilitates and expands students' 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.

[Click for Course Student Learning Outcomes](#)

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**PDS 191 SUPERVISION AND MANAGEMENT ACADEMY: THE PERFORMANCE MANAGEMENT CYCLE 0.50**

(Formerly BUS191)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Enhances the students' current performance management practices from hiring to the formal appraisal by examining the performance management cycle. This is an advanced course designed for students who are currently employed with responsibility to formally manage employee performance.

[Click for Course Student Learning Outcomes](#)

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**PDS 192 SUPERVISION AND MANAGEMENT ACADEMY: THE ART OF REACHING MUTUAL UNDERSTANDING**

**0.50**

(Formerly BUS192)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

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 responsibility to supervise others.

[Click for Course Student Learning Outcomes](#)

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**PDS 194 SUPERVISION AND MANAGEMENT ACADEMY: MAKING CONSCIOUS, STRATEGIC DECISIONS 0.50**

(Formerly BUS194)

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

Letter Grade or P/NP

Expounds on strategic methods for effective decision-making while exploring the implications of those decisions on the organizational and employees personal resistance to change. This is an advanced class that emphasizes the students' current ability to strategically and effectively lead the process of change as a working manager.  
[Click for Course Student Learning Outcomes](#)

**PDS 195 SUPERVISION AND MANAGEMENT ACADEMY: MOTIVATING PERFORMANCE THROUGH FEEDBACK AND DELEGATION 0.50**

*(Formerly BUS195)*  
*0.50 hours per week: (0.50 lecture hours/0.00 lab hours)*  
*Credit - Not Degree Applicable*  
*Letter Grade or P/NP*

Advance the students' success at using delegation as a motivational and time management tool. This course is specially designed for currently employed managers needing to effectively supervise employees.  
[Click for Course Student Learning Outcomes](#)

**PDS 197 SUPERVISION AND MANAGEMENT ACADEMY: LEADING A DIVERSE TEAM 0.50**

*(Formerly BUS197)*  
*0.50 hours per week: (0.50 lecture hours/0.00 lab hours)*  
*Credit - Not Degree Applicable*  
*Letter Grade or P/NP*

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.  
[Click for Course Student Learning Outcomes](#)

**PDS 520A BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING 0**

*(Formerly BUS520A)*  
*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*  
*Noncredit*  
*Non-credit Course*  
*Advisories: 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.  
*Repeatable.*  
[Click for Course Student Learning Outcomes](#)

**PDS 520B INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING 0**

*(Formerly BUS520B)*  
*5.00 hours per week: (2.00 lecture hours/3.00 lab hours)*  
*Noncredit*  
*Non-credit Course*  
*Advisories: PDS 120A, PDS 520A 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.*  
[Click for Course Student Learning Outcomes](#)

**PDS 520S SPEED AND ACCURACY COMPUTER KEYBOARDING 0**

*(Formerly BUS520S)*  
*4.00 hours per week: (1.00 lecture hours/3.00 lab hours)*  
*Noncredit*  
*Non-credit Course*  
*Advisories: Ability to type 20 words per minute or successful completion of PDS 120A.*

Increases skills in typing speed and accuracy. Emphasizes keyboarding basics through keystroking analysis and corrective drills.  
*Repeatable.*  
[Click for Course Student Learning Outcomes](#)

**PDS 562 INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING 0**

*(Formerly BUS562)*  
*1.50 hours per week: (0.75 lecture hours/0.75 lab hours)*  
*Noncredit*  
*Non-credit Course*

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.*  
[Click for Course Student Learning Outcomes](#)

## PSYCHIATRIC TECHNICIAN

**PSYT 110 INTRODUCTION TO PSYCHIATRIC TECHNICIAN 6.50**

*6.67 hours per week: (6.67 lecture hours/0.00 lab hours)*  
*Credit - Degree Applicable*  
*P/NP Only*  
*Prerequisites: 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.  
[Click for Course Student Learning Outcomes](#)

**PSYT 193 PSYCHIATRIC TECHNICIAN SPECIAL TOPIC 0.50 to 4.00**

*0.00 - 0.00 hours per week: (0.00 lecture hours)*  
*Credit - Degree Applicable*  
*Letter Grade Only*

Examines a special topic in the field of study related to the discipline offering this course.  
[Click for Course Student Learning Outcomes](#)

**PSYT 207 NURSING SCIENCE 19.00**

*31.12 hours per week: ( 13.56 lecture hours/ 17.56 lab hours)*  
*Credit - Degree Applicable*  
*Letter Grade Only*  
*Prerequisites: 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*  
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**PSYT 208 CARE OF THE DEVELOPMENTALLY DISABLED 17.50**

30.17 hours per week: ( 11.50 lecture hours/ 18.67 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: PSYT 207

Introduces concepts of care for the developmentally disabled. Presents causes, prevention, and treatment of developmentally disabled disorders. Provides practice and the rise of rehabilitative methods, problem solving, and communication in providing client care.

Transfer: CSU

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**PSYT 209 PSYCHIATRIC NURSING 18.50**

31.12 hours per week: ( 12.56 lecture hours/ 18.56 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: PSYT 207

Introduces psychological and mental health concepts. Presents causes, prevention, and treatment of mental, emotional and behavior disorders. Provides practice in interpersonal skills, self understanding, problem solving, communication, and the use of rehabilitative methods in providing client care.

Transfer: CSU

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## PSYCHOLOGY

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**PSYC 200 RESEARCH METHODS FOR THE BEHAVIORAL AND SOCIAL SCIENCES 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: PSYC 201(or consent of instructor and MATH 236 (or consent of instructor) or MATH 247 (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; UC

C-ID PSY 200

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**PSYC 201 INTRODUCTORY PSYCHOLOGY 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

Introduces psychology as the study of behavior and mental processes involving biological, psychological and social influences that provide the basis for human experience. Principles involved in brain function, learning, development, motivation, perception, personality and social adjustment present the basic concepts, vocabulary and methods of psychology.

Transfer: CSU; UC

C-ID PSY 110

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**PSYC 202 INTRODUCTION TO BIOLOGICAL PSYCHOLOGY 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: PSYC 201

Presents an analysis of the biological bases of behavior and mental processes in terms of evolutionary, genetic, anatomical and physiological determinants. Examines heredity, development, cognitive processes, and the function of the nervous and endocrine systems.

Transfer: CSU; UC

C-ID PSY 150

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**PSYC 206 INTRODUCTION TO SOCIAL PSYCHOLOGY 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: PSYC 201

This course considers individual human behavior in relation to the social environment. The power of the situation, other individuals, and the social group will be examined. Emphasized topics include: aggression, prejudice and stereotypes, interpersonal attraction, attitudes and attitude change, conformity, group phenomena, gender roles, cultural norms, person perception, and social cognition.

Transfer: UC

C-ID PSY 170

[Click for Course Student Learning Outcomes](#)

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**PSYC 233 PERSONALITY AND ADJUSTMENT 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: PSYC 201

Presents the scientific study of personality with an applied focus on how psychological science is used for personal growth and adjustment to life experiences. The course surveys different psychological perspectives and theoretical foundations of personality development and change, with consideration of the influence of personal relationships, culture, gender, ethnicity, historical context, and socio-economic status.

Transfer: CSU; UC

C-ID PSY 115

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**PSYC 247 INDEPENDENT STUDIES: PSYCHOLOGY 0.50 to 2.00**

1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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.

Transfer: CSU

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## RECREATION ADMINISTRATION

### REC 201 INTRODUCTION TO RECREATION AND LEISURE SERVICES 3.00

(Formerly PETH207, REC207)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

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.

Transfer: CSU

[Click for Course Student Learning Outcomes](#)

### REC 203 INTRAMURAL AND RECREATIONAL SPORT PROGRAMMING 3.00

(Formerly PETH203)

4.00 hours per week: (2.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

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

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### REC 204 RECREATION PROGRAM PLANNING 3.00

(Formerly PETH204)

4.00 hours per week: (2.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: ENGL 156

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

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### REC 205 LEADERSHIP AND DIVERSE GROUPS 3.00

4.00 hours per week: (2.50 lecture hours/1.50 lab hours)

Credit - Degree Applicable

Letter Grade Only

Application and development of leadership skills in the recreation setting. Emphasis on applicable leadership techniques including working with groups consisting of representatives from diverse populations such as those with disabilities or special needs, cultural and social differences, and diversity of all ages.

Transfer: CSU

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## SOCIOLOGY

### SOC 201A INTRODUCTION TO SOCIOLOGY 3.00

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: ENGL 156

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

C-ID SOCI 110

[Click for Course Student Learning Outcomes](#)

### SOC 201B SOCIAL INSTITUTIONS 3.00

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: SOC 201A and ENGL 156

Studies the major social institutions, both the traditional ideas of social institutions (family, education, economic, religion, and government/political) and contemporary ideas of social institutions (science, mass media, medicine, sports, and the military). The structures and functions of social institutions will be covered. This course also considers major works and draws comparisons between our institutions and those of other societies.

Transfer: CSU; UC

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### SOC 202 SOCIAL PROBLEMS 3.00

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: SOC 201A and 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

C-ID SOCI 115

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### SOC 204 INTRODUCTION TO CRIMINOLOGY 3.00

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: SOC 201A and 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; UC

C-ID SOCI 160

[Click for Course Student Learning Outcomes](#)

### SOC 206 RACE AND ETHNIC RELATIONS 3.00

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: 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*

*C-ID SOCI 150*

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**SOC 208 INTRODUCTION TO GENDER STUDIES 3.00**

*3.00 hours per week: (3.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Advisories: 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*

*C-ID SOCI 140*

[Click for Course Student Learning Outcomes](#)

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**SOC 247 INDEPENDENT STUDIES: SOCIOLOGY 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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.

*Transfer: CSU*

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**SPANISH**

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**SPAN 193 SPANISH SPECIAL TOPIC 0.50 to 4.00**

*0.00 - 0.00 hours per week: (0.00 lecture hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

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

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**SPAN 201 SPANISH I 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

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.

*Transfer: CSU; UC*

*C-ID SPAN 100*

[Click for Course Student Learning Outcomes](#)

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**SPAN 202 SPANISH II 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: SPAN 201 or equivalent*

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.

*Transfer: CSU; UC*

*C-ID SPAN 110*

[Click for Course Student Learning Outcomes](#)

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**SPAN 203 SPANISH III 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: SPAN 202 or equivalent*

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.

*Transfer: CSU; UC*

*C-ID SPAN 200*

[Click for Course Student Learning Outcomes](#)

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**SPAN 204 SPANISH IV 5.00**

*5.00 hours per week: (5.00 lecture hours/0.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade Only*

*Prerequisites: SPAN 203 or equivalent*

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.

*Transfer: CSU; UC*

*C-ID SPAN 210*

[Click for Course Student Learning Outcomes](#)

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**SPAN 247 INDEPENDENT STUDIES: SPANISH 0.50 to 2.00**

*1.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.50 - 6.00 lab hours)*

*Credit - Degree Applicable*

*Letter Grade or P/NP*

*Prerequisites: 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 Spanish under the direction of an instructor.

*Transfer: CSU; UC*

[Click for Course Student Learning Outcomes](#)

## VOCATIONAL ENGLISH AS A SECOND LANG

### VESL 711 WORK-RELATED COMMUNICATION AND COMPUTER LITERACY, LEVEL 1

0 to 0

(Formerly VESL701)

2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)

Noncredit

P/NP Only

Advisories: placement into ESL 701, 702, 703

Develops basic computer skills and communication strategies for successful interaction in the workplace for beginning level ESL learners.

Repeatable.

[Click for Course Student Learning Outcomes](#)

### VESL 712 WORK-RELATED COMMUNICATION AND COMPUTER LITERACY, LEVEL 2

0 to 0

(Formerly VESL702)

2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)

Noncredit

P/NP Only

Advisories: placement into ESL 704, 705, 706

Develops computer skills and communication strategies for successful interaction in the workplace for intermediate level ESL learners.

Repeatable.

[Click for Course Student Learning Outcomes](#)

### VESL 715 COMMUNICATION SKILLS FOR WORKPLACE

0

2.00 hours per week: (0.50 lecture hours/1.50 lab hours)

Noncredit

Non-credit Course

Focuses on the basic verbal communication skills and cultural knowledge needed in job readiness and job search in the United States.

Repeatable 3 time(s).

[Click for Course Student Learning Outcomes](#)

## WELDING

### WELD 101 SURVEY OF WELDING

2.00

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Provides welding process instruction to include Shielded Metal Arc Welding (SMAW), Oxy Acetylene Welding (OAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Flux Core Arc Welding (FCAW). Also includes instruction in Oxy Fuel Cutting (OFC) and Plasma Arc Cutting (PAC). Safety instruction will include industry standard Job Safety Analysis (JSA) with material from ANSI Z49.1.

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### WELD 175 BLUEPRINT READING AND MATERIALS PROCESSING

3.00

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: WELD 270A

Advisories: 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.

[Click for Course Student Learning Outcomes](#)

### WELD 176 WELDING POWER

3.00

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Applies principles of selection, maintenance, diagnostics and repair of various welding power supplies and external drive mechanisms. Includes instruction and hands on experiences in electrical principles as they pertain to machine selection, installation, operation and maintenance. Manual, semiautomatic and automatic equipment will be included as focus topics for this course.

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### WELD 193 WELDING TECHNOLOGY SPECIAL TOPIC

0.50 to 4.00

1.50 - 12.00 hours per week: (0.00 lecture hours/1.50 - 12.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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

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### WELD 247 INDEPENDENT STUDIES: METALS TECHNOLOGY

2.00

6.00 hours per week: (0.00 lecture hours/6.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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 Welding Technology area with support and direction from an instructor.

Transfer: CSU

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### WELD 270A BASIC WELDING

3.00

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Provides for 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, metallurgy, 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.

Transfer: CSU

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### WELD 270B ADVANCED WELDING

3.00

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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

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**WELD 270C WELDING: GMAW & GTAW 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Prerequisites: WELD 270A

Presents advanced welding with Gas Tungsten Arc (Heliarc) Welding, Gas Metal Arc (Wire Feed) Welding and Flux Core Arc Welding processes on ferrous and nonferrous materials.

Transfer: CSU

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**WELD 273 METALLURGY 3.00**

5.00 hours per week: (2.00 lecture hours/3.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Emphasizes the mechanical and physical properties of ferrous and non-ferrous metals. Includes preparation and inspection of metal samples and manufacturing and forming processes.

Transfer: CSU

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**WELD 277 METAL FABRICATION 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: WELD 270A

Provides an opportunity to design and construct major projects from metal. Manufacturing processes and production techniques are included in planning and developing projects.

Transfer: CSU

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**WELD 280A STRUCTURAL STEEL WELDING CERTIFICATION 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

Advisories: Completion of or concurrent enrollment in 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.

Transfer: CSU

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**WELD 280B PIPE WELDING CERTIFICATION 3.00**

6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Advisories: 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.

Transfer: CSU

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**WELLNESS****WELL 000 ADULT FITNESS 0**

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Noncredit

Non-credit Course

Presents 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.

[Click for Course Student Learning Outcomes](#)

**WELL 001 ADAPTED AQUATICS 0**

3.00 hours per week: (0.00 lecture hours/3.00 lab hours)

Noncredit

Non-credit Course

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.

Repeatable.

[Click for Course Student Learning Outcomes](#)

**WORK EXPERIENCE****WEXP 111 WORKPLACE READINESS FUNDAMENTALS 3.00**

(Formerly WEXP210)

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

P/NP Only

Introduces fundamentals of workplace readiness, job search and job retention. Students will gain an understanding of the role and value of working; identify and implement steps involved in obtaining employment; identify and demonstrate the employability skills associated with maintaining employment; and describe and apply basic employee money management skills.

[Click for Course Student Learning Outcomes](#)

**WEXP 131 MENTAL HEALTH FIRST AID 0.50**

0.50 hours per week: (0.50 lecture hours/0.00 lab hours)

Credit - Not Degree Applicable

P/NP Only

Presents the 5-step action plan of Mental Health First Aid, an internationally recognized certificate training in identifying and responding in a potential mental health crisis. This first aid aims to preserve life when a person may be a danger to self or others, provide help to prevent the problem from becoming more serious, promote and enhance recovery, and provide comfort and support.

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**WEXP 147 INDEPENDENT STUDIES: WORK EXPERIENCE 0.50 to 2.00**

0.00 - 0.00 hours per week: (0.00 lecture hours)

Credit - Degree Applicable

Letter Grade or P/NP

Prerequisites: 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 Work Experience under the direction of an instructor.

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**WEXP 193 WORK EXPERIENCE SPECIAL TOPICS 0.50 to 4.00**

30.00 - 300.00 hours per week: ( 30.00 - 300.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Examines a special topic in the field of study related to the discipline offering this course. Occupational Work Experience Education - This work experience course of supervised employment is designed to assist students to acquire career awareness, work habits, attitudes and skills related to the student's college major. Credit may be accrued at the rate of 1 to 8 units per semester for a total of 16 units. Additionally, students must work 75 paid hours or 60 non-paid hours per units earned.

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**WEXP 210 INTRODUCTION TO WORKPLACE READINESS 3.00**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Credit - Degree Applicable

Letter Grade or P/NP

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.

Transfer: CSU

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**WEXP 251 COOPERATIVE WORK EXPERIENCE LAB – GENERAL 1.00 to 4.00**

(Formerly WEXP151L)

0.00 - 0.00 hours per week: (0.00 - 0.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Provides opportunities for working students to acquire and demonstrate desirable work habits, attitudes, and skills in the workplace. Employment need not be related to the students' educational goals. Student will be required to attend one 2-hour class session at the beginning of each term. Students may earn a maximum of four credits per semester. Students must work 75 hours for each credit of paid work experience credit. If a student is performing unpaid volunteer work, one credit may be earned for each 60 hours of training.

Repeatable 3 time(s).

Transfer: CSU

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**WEXP 252 COOPERATIVE WORK EXPERIENCE LAB – OCCUPATIONAL 1.00 to 4.00**

(Formerly WEXP252L)

0.00 - 0.00 hours per week: (0.00 - 0.00 lecture hours/0.00 - 0.00 lab hours)

Credit - Degree Applicable

Letter Grade Only

Provides opportunities for working students to acquire and demonstrate work habits, attitudes, and skills in the workplace. Employment is related to the students' educational and career goals. Student will be required to attend one 2-hour class session at the beginning of each term. Student will be required to attend one 2-hour class session at the beginning of each term. Students may earn a maximum of four credits per semester. Students must work 75 hours for each credit of paid work experience credit. If a student is performing unpaid volunteer work, one credit may be earned for each 60 hours of training.

Repeatable 3 time(s).

Transfer: CSU

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**WEXP 510 INTRODUCTION TO WORKPLACE READINESS 0**

3.00 hours per week: (3.00 lecture hours/0.00 lab hours)

Noncredit

Non-credit Course

Introduces fundamentals of workplace readiness and job retention. Students will gain an understanding of the role and value of working; identify and implement steps involved in obtaining employment; identify and demonstrate the employability skills associated with maintaining employment; and describe and apply basic employee money management skills.

Repeatable 3 time(s).

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