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
- 400-499 Non-Credit Courses, including Emeritus College
- 500-599 Non-Credit Courses, including VOCE and WKFP
- 600-699 Non-Credit Courses, including VOCE
- 700-799 Non-Credit Courses, including ESL and Vocational ESL

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:

- 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 FAMILIES REPEATS (see chart on the next page)

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.
  - 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.
  - Substandard Grade - a grade of “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:

https://www.curricunet.com/Cuesta/search/course/
## COURSE FAMILY REPEATS

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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

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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.

ACSK 075  ARITHMETIC FUNDAMENTALS  4.00
4.00 hours per week: (4.0 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.

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.

ACCT 201A  FINANCIAL ACCOUNTING  4.00
(Formerly BUS201A)
4.00 hours per week: (4.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: Elementary Algebra or eligibility for transfer level math using the current college process
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

ACCT 201B  MANAGERIAL ACCOUNTING  4.00
(Formerly BUS201B)
4.00 hours per week: (4.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
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
C-ID ACCT 110

Prerequisites: ACCT 201A
Advisories: Elementary Algebra or eligibility for transfer level math using the current college process
Examines how managers use accounting information in decision-making, planning, directing operations and controlling costs. Focuses 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

ACCT 203  TAX ACCOUNTING  4.00
4.00 hours per week: (4.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Presents current Federal and California income tax law as it relates to individuals, emphasizing practical application, tax planning and tax form preparation. Introduces the principles of accounting as related to income tax preparation.
Transfer: CSU

ACCT 205  ACCREDITED INSTITUTIONS OF HIGHER LEARNING  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
The course is repeatable.

ACCT 210  INCOME TAX ACCOUNTING  3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 201A
Explores advanced income tax issues, including individual and corporate taxation, estate and gift taxation, and tax planning.
Transfer: CSU, UC
C-ID ACCT 120

ACCT 220  COMPUTERIZED ACCOUNTING  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Provides training for entry-level computerized bookkeepers, small business owners, and students pursuing further accounting courses.
Transfer: CSU

ACCT 221  COMPUTERIZED ACCOUNTING II  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 220
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120

ACCT 230  COMPUTERIZED ACCOUNTING III  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 221
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120

ACCT 240  COMPUTERIZED ACCOUNTING IV  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 230
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120

ACCT 250  COMPUTERIZED ACCOUNTING V  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 240
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120

ACCT 251  ELEMENTS OF ACCOUNTING FOR BUSINESS INCLUDING AGRICULTURAL BUSINESS  4.00
(Formerly BUS251)
4.00 hours per week: (4.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
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

ACCT 252A  COMPUTERIZED ACCOUNTING - QUICKBOOKS I  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 201A
Provides training for entry-level computerized bookkeepers, small business owners, and students pursuing further accounting courses.
Transfer: CSU

ACCT 252B  COMPUTERIZED ACCOUNTING - QUICKBOOKS II  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 252A
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120

ACCT 270  COMPUTERIZED ACCOUNTING - QUICKBOOKS III  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 252B
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120

ACCT 271  COMPUTERIZED ACCOUNTING - QUICKBOOKS IV  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 270
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120

ACCT 272  COMPUTERIZED ACCOUNTING - QUICKBOOKS V  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 271
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120

ACCT 273  COMPUTERIZED ACCOUNTING - QUICKBOOKS VI  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 272
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120

ACCT 274  COMPUTERIZED ACCOUNTING - QUICKBOOKS VII  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 273
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120

ACCT 275  COMPUTERIZED ACCOUNTING - QUICKBOOKS VIII  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 274
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120

ACCT 276  COMPUTERIZED ACCOUNTING - QUICKBOOKS IX  2.00
2.00 hours per week: (2.0 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ACCT 275
Expands upon the knowledge of using Quickbooks for more advanced reporting, including inventory management, payroll, and financial reports.
Transfer: CSU
C-ID ACCT 120
ASHS 214 FAMILY, RELATIONSHIPS AND INTIMACY 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
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 PSY 130

ASHS 218 HUMAN SEXUALITY: EXPERIENCE & EXPRESSION 3.00
(Formerly FMST218, HDHS218)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
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

ASHS 247 INDEPENDENT STUDIES: HUMAN DEVELOPMENT/HUMAN SERVICES 0.50 to 2.00
(Formerly FMST247, HDHS247)
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 human development/human services under the direction of an instructor.
Transfer: CSU

ASHS 252 WORK EXPERIENCE IN HUMAN SERVICES 0.50 to 4.00
(Formerly HDHS252)
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Human Services to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

ASHS 270 INTRO TO ADDICTION STUDIES: ADDICTION AND THE COMMUNITY 3.00
(Formerly FMST270, HDHS270)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
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
ASHS 271  GROUP PROCESS AND PRACTICE, LAW AND ETHICS  3.00
(Formerly FMST271, HDHS271)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: ASHS 210 and ASHS 270
Presents and develops basic competency in law and ethics, theory, and techniques of group and individual process and practice used in helping professions including task-oriented, psycho-educational, counseling, and psychotherapy groups with specific populations.
Transfer: CSU

ASHS 278  FAMILIES AND ADDICTION  3.00
(Formerly FMST278, HDHS278)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: ASHS 270
Examines common patterns of family structure and functioning often correlated with substance abuse and addiction including the major types of family systems and dynamics. Reviews basic clinical practice including therapeutic approaches, skills, and techniques for effective intervention and treatment modalities for both individuals and the family system.
Transfer: CSU

ASHS 279  TREATMENT AND CASE MANAGEMENT  3.00
(Formerly FMST279, HDHS279)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
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. Emphasizes working with chemically dependent individuals, survivors of intimate partner abuse, the homeless population, and individuals who are mentally impaired.
Transfer: CSU

ASHS 280  BASIC INTERVIEWING AND COUNSELING SKILLS  3.00
(Formerly FMST280, HDHS280)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: ASHS 210 and ASHS 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

ASHS 289A  FIELDWORK: ADDICTION STUDIES  5.00
(Formerly HDHS289A)
15.00 hours per week: (0.00 lecture hours/ 15.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: ASHS 270 and ASHS 279 and ASHS 279 and ASHS 280 and HEED 206
Corequisites: ASHS 289
Facilitates the application, within a supervised and approved substance abuse agency or institution, of students’ previously-gained knowledge and skills. Develops paraprofessional expertise that prepares students for employment in the field of substance abuse.
Transfer: CSU

ASHS 289B  FIELDWORK: SOCIAL WORK/ HUMAN SERVICES  2.00
(Formerly HDHS289B)
6.00 hours per week: (0.00 lecture hours/6.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: ASHS 210 or concurrent enrollment.
Corequisites: ASHS 289
Facilitates a supervised field experience in the area of Social Work/ Human Services (community organization, agency, or institution) allowing the student to apply knowledge and learn new skills outside the classroom environment. Provides students with an opportunity to develop skills in preparation for gaining employment in the human services field.
Transfer: CSU

ASHS 289D  FIELDWORK: PARAPROFESSIONAL COUNSELING  1.00
(Formerly HDHS289D)
3.00 hours per week: (0.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: ASHS 210 or concurrent enrollment.
Corequisites: ASHS 289
Prepares students to apply knowledge about the field of paraprofessional counseling in a supervised field setting (a community organization, agency, or institution) that serves youth or adults in emotional distress. Develops skills for employment as a paraprofessional counselor.
Transfer: CSU

AGB 200  INTRODUCTION TO AGRICULTURAL STUDIES AND CAREERS  1.00
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Provides guidance for the educational pathways leading to degrees and certificates in agriculture. Emphasizes the exploration of agriculture careers and employment opportunities. Explores the skills necessary for success in obtaining, maintaining, and advancing in agriculture careers. Discusses current issues that affect agriculture.
Transfer: CSU

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: Elementary Algebra or eligibility for transfer level math using the current college process
Advisories: Intermediate Algebra or eligibility for transfer level math using the current college process.

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/L)
C-ID AG -AB 124

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

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
C-ID AG -AB 124

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

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

AGB 205 FARM MANAGEMENT 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Presents concepts related to the organization and operation of farm and ranch businesses. Topics include identification of factors affecting profitability, evaluation of the business for increased efficiency and profit and the application of budgeting to laboratory farm and independent analysis of a farm.

Transfer: CSU

AGB206 SUPERVISION AND MANAGEMENT IN AGRICULTURE 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Introduces students to the knowledge and skills relevant to the supervisor in agricultural business. Includes the regulatory requirements relevant to labor management in agriculture and effective communication with native and non-native English speakers. Includes case studies on labor management, human relations, public relations, production control techniques and job analysis.

Transfer: CSU

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

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

AGB 220 FARM POWER, MACHINERY, AND SAFETY 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 safe and proper operation of wheel and track type tractors, their implements and their role in the agriculture industry. Also introduces the evaluation of agricultural machinery and tractor power performance and emphasis on management, selection, and efficient operation of agricultural machinery.

Transfer: CSU
C-ID AG-MA 108L

AGM 220 FARM POWER, MACHINERY, AND SAFETY 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 safe and proper operation of wheel and track type tractors, their implements and their role in the agriculture industry. Also introduces the evaluation of agricultural machinery and tractor power performance and emphasis on management, selection, and efficient operation of agricultural machinery.

Transfer: CSU
C-ID AG-MA 108L

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

AGM 222 AGRICULTURAL SAFETY 2.00
5.00 hours per week: (2.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Involves safety practices and principles related to accident causation and prevention with tractors, machinery, livestock and environmental disposal and safe practice.

Transfer: CSU
**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

**AGM 224  SMALL GAS ENGINES**  
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 operation, construction, maintenance, repair, and adjustments of two-cycle and four-cycle engines. Designed for persons without prior experience in small engines. Theory and practical work, including safety, customer service, and the care and use of specialized tools used in small engine repair and maintenance will be covered. Examples of the types of engines to be used will include lawn mower, power saw, pump, conveyor, self-propelled small carts, and any other small engines. Laboratory required.  
Transfer: CSU

**AGM 252  WORK EXPERIENCE IN AGRICULTURE MECHANICS**  
0.50-4.00  
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)  
Credit - Degree Applicable  
Letter Grade Only  
Provides opportunities for students in Agriculture Mechanics to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.  
Transfer: CSU

**AGPS 230  PRINCIPLES OF IRRIGATION**  
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 fundamentals of basic irrigation systems including: flood, sprinkler, micro, sub-irrigation and their variations. Examine water use, quality, management and distribution systems in California and uncover the importance of water in the California Agriculture Industry.  
Transfer: CSU

**AGPS 242  INTRODUCTION TO PLANT SCIENCE**  
3.00  
6.00 hours per week: (2.00 lecture hours/4.00 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. Scientific research, exploration of plant growth, and identification of economical crops will be included.  
Transfer: CSU, UC  
C-ID AG-PS 106L

**AGPS 243  PLANT PROPAGATION AND PRODUCTION**  
3.00  
6.00 hours per week: (2.00 lecture hours/4.00 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-EN 116L

**AGPS 244  PLANT IDENTIFICATION AND USAGE I**  
3.00  
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Covers the identification, growth habits, culture and ornamental use of landscape and indoor plants adapted to climates of California. Topics include botanical nomenclature, plant hardiness and growth zones, growth habits, plant structural characteristics and soil nutritional requirements. Landscape uses are stressed along with cultural practices. Plants covered are those best observed and identified in the Spring season of the year.  
Transfer: CSU, UC

**AGPS 246  INTRODUCTION TO SUSTAINABLE AGRICULTURE**  
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 history, definitions, concepts, principles and practices of sustainable agricultural systems. Includes an examination of case studies to connect sustainable agriculture principles to actual farming practices.  
Transfer: CSU, UC

**AGPS 250  INTRODUCTION TO VITICULTURE**  
3.00  
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Introduces viticulture including grape growing, history, distribution, biology, anatomy, propagation, cultivated varieties, rootstocks, climate, vineyard practices, common diseases and pests.  
Transfer: CSU, UC

**AGPS 251  VITICULTURE PRACTICES**  
3.00  
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Prerequisites: AGPS 250  
Develops knowledge of sustainable vineyard practices including pruning, vine training, fertilizers, irrigation, crop and canopy management. Includes the study of weed control, harvest operations and pest and disease management.  
Transfer: CSU
AGPS 252  WORK EXPERIENCE IN AGRICULTURE PLANT SCIENCE  0.50 to 4.00
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Agriculture Plant Science to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

AMERICAN SIGN LANGUAGE

ASL 147  INDEPENDENT STUDIES: AMERICAN SIGN LANGUAGE  0.50 to 2.00
1.50 - 6.00 hours per week: (0.00 - 6.00 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.

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

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

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
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

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

ANTH 202  ARCHAEOLOGY  3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Present 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

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
Present 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

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
Present 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

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
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

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
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

ANTH 247  INDEPENDENT STUDIES: ANTHROPOLOGY  0.50 to 2.00
1.50 - 6.00 hours per week: (0.00 - 6.00 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; UC
ARCH 218  HISTORY OF THE WORLD ARCHITECTURE II  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 with a minimum grade of C or better.
Surveys architecture and urbanism from the beginning of the 17th century to the present. Addresses the social, cultural and physical conditions that influenced the built environment of Europe, Asia, Africa, and the Americas.
Transfer: CSU; UC

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 free-hand and drafted drawings employing orthographic, axonometric, oblique and linear 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)

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)

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

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
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

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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 193</td>
<td>ART SPECIAL TOPIC</td>
<td>0.50</td>
<td>Examines a special topic in the field of study related to the discipline offering this course.</td>
</tr>
<tr>
<td>ART 200</td>
<td>ART APPRECIATION</td>
<td>3.00</td>
<td>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.</td>
</tr>
<tr>
<td>ART 202</td>
<td>INTRODUCTION TO MUSEUM PRACTICES</td>
<td>3.00</td>
<td>Provides opportunities for students in Architecture to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.</td>
</tr>
<tr>
<td>ART 203</td>
<td>SURVEY OF WESTERN ART HISTORY: PREHISTORY THROUGH THE MIDDLE AGES</td>
<td>3.00</td>
<td>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.</td>
</tr>
<tr>
<td>ART 204</td>
<td>SURVEY OF WESTERN ART HISTORY: RENAISSANCE TO CONTEMPORARY</td>
<td>3.00</td>
<td>Presents an introduction to the visual arts across time and diverse cultures through the use of various art historical methodologies.</td>
</tr>
<tr>
<td>ART 205</td>
<td>SURVEY OF ART HISTORY: MODERNISM THROUGH CONTEMPORARY</td>
<td>3.00</td>
<td>Provides 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.</td>
</tr>
<tr>
<td>ART 207</td>
<td>SURVEY OF MEXICAN ART HISTORY I: PRE-COLUMBIAN</td>
<td>3.00</td>
<td>Examines a special topic in the field of study related to the discipline offering this course.</td>
</tr>
</tbody>
</table>
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
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

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 130

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 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

ART 211  SURVEY OF AFRICAN 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 the arts and architecture of Africa. Examines social and historical contexts of artistic production.
Transfer: CSU; UC

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

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.
Transfer: CSU; UC
C-ID ARTS 100

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 concepts, techniques and conventions in contemporary and historical cultural contexts.
Transfer: CSU; UC
C-ID ARTS 110

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 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

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

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

ART 230A  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
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

ART 230B  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 230A

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 265
ART 240A PRINTMAKING I
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; UC

ART 240B PRINTMAKING II
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
Transfer: CSU; UC

ART 241A ETCHING I
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

ART 241B ETCHING II
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ART 241A
Transfer: CSU; UC

ART 241C ETCHING III
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ART 221
Transfer: CSU; UC

ART 243A BOOK ARTS I
(Formerly ART 143 and ART 243)
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 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

ART 243B BOOK ARTS II
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 243A with a minimum grade of C or better
Offers instruction in studio practices developed in Art 243A. Presents intermediate level book-binding and printing techniques in the conceptualization and construction of unique Artists’ Books. Emphasizes exploration of historical and contemporary issues and trends in text-based arts and artist’s books.
Transfer: CSU; UC

ART 244 PHOTOGRAPHY I
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

**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

**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

**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; UC

**ART 250 OCCUPATIONAL WORK EXPERIENCE IN ART** 0.50 to 4.00

0 hours per week: 0
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Art to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student’s educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.

Transfer: CSU

**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

**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

**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

**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

**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

**ART 257 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

**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.

**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

**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

**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

**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

**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

**ART 271** SCULPTURE 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 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

**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, UC

**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, UC

**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, UC

**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, UC

**ART 280** CERAMICS I: 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

**ART 281A** CERAMICS: WHEEL-THROWING I 3.00
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)
Credit - Degree Applicable
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

ART 282 - CERAMICS II: 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

ART 283 - CERAMICS III: CERAMICS 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

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

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: ART 296
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

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
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

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

ASTRONOMY

ASTR 193 - ASTRONOMY SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

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: Elementary algebra or eligibility for college-level math using the current college process.
Advisories: Eligibility for ENGL 201A
Presents the astronomy of planets, satellites, asteroids, comets, meteors, the sun, stars, and galaxies.
Transfer: CSU; UC

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: Elementary algebra or eligibility for college-level math using the current college process.
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

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
| ATHLETICS |
|-----------------|-----------------|
| **ATHL 193**   | **ATHLETICS SPECIAL TOPIC** 0.50 to 4.00 |
| (Formerly PEAT183) | Credit - Degree Applicable |
| | Letter Grade or P/NP |
| Examines a special topic in the field of study related to the discipline offering this course. |

| **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) |

| **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) |

| **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) |

| **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 specific 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) |

| **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) |

| **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) |

| **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) |

| **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) |

| **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) |

| **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) |
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

ATHL 250  INTERCOLLEGIATE CROSS COUNTRY  1.50 to 3.00
(Formerly 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)

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)

ATHL 256  WOMEN’S INTERCOLLEGIATE BEACH 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 for students who plan to compete at the collegiate level in the sport of women's beach volleyball. Emphasizes advanced skill, theory, tactics, strategy, and intercollegiate competition.
Repeatable 3 time(s).
Transfer: CSU

ATHL 260  WOMEN’S INTERCOLLEGIATE SOCCER  1.50 to 3.00
(Formerly PEAT238)
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)

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)

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 pre-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)

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)

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 pre-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)

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
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)

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)
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)

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)

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)

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)

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, situational 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)

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.

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)

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)

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

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)

ABOD 170  AUTO BODY REPAIR I  3.00
(Formerly ATCH170)
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.
ABOD 171  ADVANCED AUTO BODY  3.00
(Formerly ATCH171)
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ABOD 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.

ABOD 175  AUTOMOTIVE PAINTING  5.00
(Formerly ATCH175)
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.

ABOD 177  ADVANCED AUTOMOTIVE PAINTING  3.00
(Formerly ATCH177)
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: ABOD 170 and ABOD 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.

ABOD 193L  NON-STRUCTURAL TECHNICIAN - PROLEVEL 1  3.00
(Formerly ATCH193L)
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)
Credit - 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, ascertainment 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.

ABOD 252  WORK EXPERIENCE IN AUTO BODY TECHNOLOGY  0.50 to 4.00

0 hours per week: ()
Credit - Degree Applicable
Letter Grade Only

Provides opportunities for students in Auto Body Technology to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

ABOD 570  AUTO BODY REPAIR I  0
(Formerly ATCH570)
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.

ABOD 571  ADVANCED AUTO BODY  0
(Formerly ATCH571)
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.

ABOD 575  AUTOMOTIVE PAINTING  0
(Formerly ATCH575)
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.

ABOD 577  ADVANCED AUTOMOTIVE PAINTING  0
(Formerly ATCH577)
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)
Noncredit
Letter Grade or P/NP,
Non-Credit Gradeable Course/SP
Prerequisite: ABOD 570 and ABOD 575 (Formerly ATCH570 and ATCH575)
Advisory: ESL 706

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.

ATCH 101  SURVEY OF AUTOMOTIVE MECHANICS  1.00
(Formerly WEXP1930, WEXP140)
2.00 hours per week: (1.00 lecture hours/1.00 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.
**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.

**ATCH 105  PROFESSIONAL DEVELOPMENT FOR EMPLOYMENT I 2.00**

2.00 hours per week: (2.00 lecture hours)
Credit - Degree Applicable
Letter Grade or P/NP

Prepares students for employment, soft skill development and inter-collegiate competition in Career Technical Education.

SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. Students will learn to plan projects, work in teams, solicit community support and develop a range of skills valued by employers. Students registered for this class may not register for cross-listed classes during the same semester. Participation in the SkillsUSA chapter activities and/or competition is required. This course may be repeated up to three times for credit when participating in different competitions. Repeatable 3 time(s).

**ATCH 106  PROFESSIONAL DEVELOPMENT FOR EMPLOYMENT II 2.00**

2.00 hours per week: (2.00 lecture hours)
Credit - Degree Applicable
Letter Grade or P/NP

Prepares students for employment, soft skill development and inter-collegiate competition in Career Technical Education.

SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. Students will learn to plan projects, work in teams, solicit community support and develop a range of skills valued by employers. Students registered for this class may not register for cross-listed classes during the same semester. Participation in the SkillsUSA chapter activities and/or competition is required. This course may be repeated up to three times for credit when participating in different competitions. Repeatable 3 time(s).

**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.

**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.

**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.

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

1.50 - 6.00 hours per week: (0.50 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.

**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

Prepares students for employment, soft skill development and inter-collegiate competition in Career Technical Education.

SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. Students will learn to plan projects, work in teams, solicit community support and develop a range of skills valued by employers. Students registered for this class may not register for cross-listed classes during the same semester. Participation in the SkillsUSA chapter activities and/or competition is required. This course may be repeated up to three times for credit when participating in different competitions. Repeatable 3 time(s).

**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 & 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.

**ATCH 155  ENGINE REPAIR 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


**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

Covers 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.

**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

Covers 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.

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

**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  
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.

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

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

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

**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  
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.

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

**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.

**ATCH 252 WORK EXPERIENCE IN AUTOMOTIVE TECHNOLOGY** 0.50 to 4.00  
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)  
Credit - Degree Applicable  
Letter Grade Only  
Provides opportunities for students in Automotive Technology to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.  
Transfer: CSU

**ATCH 255 MODERN DIESEL TECHNOLOGY** 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 154, ATCH 158  
Covers the task fields required by ASE A9 certification test addressing light diesel technology. This course will cover essential details of fuel delivery, cylinder head, lubrication, cooling, fuel and valvetrain diagnosis and repair. Engine block diagnosis, repair, cleaning. Lubrication and cooling systems diagnosis and repair. Air induction and exhaust systems diagnosis and repair.  
Transfer: CSU

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

**ATCH 264 EMISSION CONTROL/SMOG LICENSE PREPARATION** 6.00  
(Formerly ATCH 164)  
6.00 hours per week: (0.00 lecture hours/6.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Covers the rules and regulations governing the Smog Check Program, inspection procedures using the Emissions Inspection System (EIS), and the OBDII inspection system (OIS). Successful completion of ATCH 264 meets a portion of the requirements for technicians seeking a Smog Check Technician License (EO).  
Transfer: CSU

**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 2.0 GPA  
Provides opportunities for students in Automotive Technology internships in the automobile 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

**ATCH 280 MANUAL DRIVETRAINS** 3.00  
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)  
Credit - Degree Applicable
AVMT 110  AVIATION GENERAL MAINTENANCE I  6.00
14.00 hours per week: (2.00 lecture hours/12.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: AVMT 110 or concurrent enrollment
Prepares students with the skills and technical knowledge they need to perform maintenance on aircraft in the aviation maintenance industry. Includes general aviation maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Covers: aircraft landing gear systems, tire and wheel assemblies and rigging, rotorcraft fundamentals and fire protection systems, aircraft covering, aircraft finishes, non-metallic structures, welding, airframe inspection, cabin atmosphere control systems, and aircraft fuel systems.

IMPORTANT: Students are required to provide certain hand-tools at their own expense to successfully complete this course.

AVMT 120  AVIATION GENERAL MAINTENANCE II  6.00
14.00 hours per week: (2.00 lecture hours/12.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prepares students with the skills and technical knowledge they need to perform maintenance on aircraft in the aviation maintenance industry. Completes general aviation maintenance subjects required by the Federal Aviation Administration for issuance of a general aviation maintenance technician certificate. Covers maintenance forms, records, and publications; mechanic privileges and limitations; aircraft material, hardware, and processes; aircraft drawings; fluid lines and fittings; cleaning and corrosion control; inspection concepts and techniques.

IMPORTANT: Students are required to provide certain hand-tools at their own expense, to successfully complete the course requirements.

AVMT 130  AVIATION AIRFRAME MAINTENANCE I  6.00
14.00 hours per week: (2.00 lecture hours/12.00 lab hours)
Credit - Degree Applicable
Prerequisites: AVMT 110 and AVMT 120
Prepares students to perform maintenance on aircraft in the aviation maintenance industry. Covers a variety of airframe maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Includes sheet metal and non-metallic structures, welding, airframe inspection, cabin atmosphere control systems, and aircraft fuel systems.

AVMT 140  AVIATION AIRFRAME MAINTENANCE II  6.00
14.00 hours per week: (2.00 lecture hours/12.00 lab hours)
Credit - Not Degree Applicable
Letter Grade or P/NP
Prerequisites: AVMT 110 and AVMT 120
Prepares students to perform maintenance on aircraft in the aviation maintenance industry. Includes a variety of airframe maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Covers wood structures, aircraft covering, aircraft finishes, non-metallic structures, assembly and rigging, rotorcraft fundamentals and fire protection systems.

AVMT 150  AVIATION AIRFRAME MAINTENANCE III  6.00
14.00 hours per week: (2.00 lecture hours/12.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: AVMT 110 and AVMT 120
Prepares students with the skills and technical knowledge they need to perform maintenance on aircraft in the aviation maintenance industry. Includes a variety of airframe maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Covers: aircraft landing gear systems, hydraulic and pneumatic power systems, aircraft instrument systems, communication and navigation systems, aircraft electrical systems, position and warning systems, ice and rain control systems and airframe conformity inspection.

AVMT 160  AVIATION POWERPLANT MAINTENANCE I  6.00
14.00 hours per week: (2.00 lecture hours/12.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: AVMT 110 and AVMT 120
Prepares students to perform maintenance on aircraft in the aviation maintenance industry. Covers a variety of powerplant maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Includes: reciprocating engines (inspection and maintenance), engine instrument systems, ignition and starting systems, and fuel metering systems.

AVMT 170  AVIATION POWERPLANT MAINTENANCE II  6.00
14.00 hours per week: (2.00 lecture hours/12.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: AVMT 110 and AVMT 120
Prepares students to perform maintenance on aircraft in the aviation maintenance industry. Covers a variety of aircraft powerplant maintenance subjects required by the Federal Aviation Administration as part of the Aviation Maintenance Technology Program. Includes: reciprocating engines (inspection and maintenance), engine instrument systems, ignition and starting systems, and fuel metering systems.

AVMT 180  AVIATION POWERPLANT MAINTENANCE III  6.00
14.00 hours per week: (2.00 lecture hours/12.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: AVMT 110 and AVMT 120
Prepares students to perform maintenance on aircraft in the aviation
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.

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BSNC 500A GED PREPARATION A 0
1.00 - 3.00 hours per week: (0.00 - 6.00 lecture hours/1.00 - 3.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides a review of basic skills and prepares students for the computerized General Education Development (GED) Test. The course focuses on the computer and technical skills needed for basic skills preparation and to study for the GED. Presents the core knowledge and skills needed to pass each of the four content areas of the GED: Language Arts, Mathematics, Science, and Social Studies.
Repeatable

BSNC 500B GED PREPARATION B 0
1.00 - 3.00 hours per week: (0.00 - 6.00 lecture hours/1.00 - 3.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides a review of basic skills and prepares students for the computerized General Education Development (GED) Test. Focuses on test taking strategies to be successful on the GED exam. Presents the core knowledge and skills needed to pass each of the four content areas of the GED: Language Arts, Mathematics, Science, and Social Studies.
Repeatable

BSNC 501 GED PREPARATION - MATH/SCIENCE 0
3.00 - 6.00 hours per week: (3.00 - 6.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Prepares students to pass the Mathematical Reasoning and Science subtests of the GED exam. Covers the mathematical reasoning and science requirements for the GED exam.
Repeatable

BSNC 502 GED PREPARATION - LANGUAGE ARTS/SOCIAL STUDIES 0
3.00 - 6.00 hours per week: (3.00 - 6.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Prepares students to pass the Reasoning Through Language Arts and Social Studies subtests of the GED exam. Covers reading, writing, and thinking skill requirements for the GED exam.
Repeatable

BIO 201A 5.00
9.00 hours per week: (3.00 lecture hours/6.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: Eligibility for transfer-level math using the current college process and CHEM 200 or one year of high school chemistry
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 110, BIO 201A+201B = C-ID BIO 135S and C-ID BIO 130S

BIO 201B 5.00
9.00 hours per week: (3.00 lecture hours/6.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: BIO 201A
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

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.
Prepares students for advanced classes in the field of healthcare.
Transfer: CSU, UC

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 200 with a minimum grade of C or better or equivalent with a grade of C or better
Advisories: BIO 201A
Delves into microbes’ unique characteristics, emphasizing the significant infectious disease agents and their impact on public health. Examines the general characteristics of infectious disease with emphasis on etiology, epidemiology, and host-parasite interactions.
Prepares students for advanced classes in the field of healthcare.
Transfer: CSU, UC

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
Prerequisites: Eligibility for transfer-level math using the current college process and CHEM 200 or one year of high school chemistry
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 110, BIO 201A+201B = C-ID BIO 135S and C-ID BIO 130S

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 200 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 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 120

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
Advisories: Any 3 unit or greater college level biology course.
Utilizes field observations and techniques used to appreciate and evaluate California’s coastal ecosystems. Includes hiking, water activities (kayaking, whale watching, snorkeling, etc.), camping, and nearshore exploration to investigate coastal organisms and habitats. Includes additional student expenses associated with camping, food, transportation, and incidentals.

**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  
Advisories: 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

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

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

**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  

Focuses on ecological and evolutionary history, including colonization and establishment of native plant and animal communities, human impacts, natural history, and preservation and conservation of island ecosystems. Field and lab investigation examines marine algae, plankton, and both marine and terrestrial animal behavior patterns. Hands-on activities involve kayaking, daily snorkeling, laboratory investigation, and hiking. Students will be required to keep a standardized field notebook and complete a scientific investigation project. Students should be prepared for snorkeling, kayaking, and hiking on trails over rugged terrain. This course is taught with an initial online component followed by a week in the field on Catalina Island. Accommodations, food, transportation, and other expenses while arranged are ultimately the responsibility of the students.  
Transfer: CSU; UC

**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

**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  

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

**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  

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

**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  

Introduces fundamental structural and functional concepts of the human body systems, and their disorders and therapies. Designed for non-science majors and pre-allied health/Emergency Medical Services (EMS) students. Provides an appreciation for popular interests such as fitness, immunity, inheritance, and common medical terminology.  
Transfer: CSU; UC

**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: Completion or concurrent enrollment in BIO 212  

Provides laboratory instruction to accompany Human Biology (BIO 212), a general education course for non-biology majors and pre-allied health/Emergency Medical Services (EMS) students. Presents 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. Includes 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

**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  

Introduces the basic principles of genetics and heredity. Emphasizes current advances in genetics, including stem cell research, cloning, cancer, and genetically modified crops. Presents information on the human genome and many human genes that are important for health. Investigates the social consequences and ethical implications of biotechnology in medicine and agriculture.  
Transfer: CSU; UC

**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  

Presents current and historical uses of plants by people of different cultures. Includes the structure, physiology, reproduction, taxon-
omn diversity evolution and ecology of plants. Laboratory work includes setting up experiments growing and propagating plants.

Transfer: CSU UC

**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 101A

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

**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

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

Transfer: CSU UC

**BIO 221** ECOLOGY  4.00
6.00 hours per week: (3.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Presents plant and animal communities emphasizing the interrelationships of living organisms and their living and non-living environment. Lectures emphasize major ecological principles and/ or concepts associated with organisms populations communities ecosystems and the biosphere. Laboratories emphasize gathering and interpreting ecological data in the lab and the field.

Transfer: CSU UC

**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

Emphasizes marine ecosystems biodiversity and ecology. Provides an overview of marine biology and includes an introduction to oceanography. Focuses on comparative studies of marine plants and animals research human impacts and the conservation of the marine environment.

Transfer: CSU UC

**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

Provides a field and laboratory survey of marine biodiversity and ecology with emphasis placed on exploring local marine life and habitats. Laboratory exercises focus on the identification and observation of marine organisms. Field labs include kayaking nearshore habitats tide pooling and visits to aquaria and/or museums. This course complements and enhances Marine Biology lecture (BIO 222) through hands-on field and laboratory investigations.

Transfer: CSU UC

**BIO 224** PRINCIPLES OF NATURAL HISTORY  3.00
5.00 hours per week: (12.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Presents an ecological approach to the natural history of terrestrial plants and animals in California. Includes topics such as classification relationships to environment interrelationships problems of life economic importance and field biology techniques.

Transfer: CSU UC

**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

**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.

Transfer: CSU

**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.

Transfer: CSU

**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 in a selected topic of biology under the direction of an instructor.

Transfer: CSU

**BIO 295** UNDERGRADUATE STEM SEMINAR  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 - Degree Applicable
Letter Grade or P/NP

Introduces students to a variety of STEM fields (science technology engineering and mathematics) using a seminar format. Explores a broad range of academic and career opportunities in STEM. Emphasizes professional and personal skills for success in STEM.

Same as ANTH 295 ENGR 295 MATH 295 PSCI 295.

Transfer: CSU; UC

BUSINESS

**BUS 193** BUSINESS SPECIAL TOPIC  0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP

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

**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

Discusses the process of forming personal attitudes identifying and...
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  
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

BUS 227  BUSINESS COMMUNICATIONS  
4.00  
(Formerly CAGA227)  
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

BUS 228  OFFICE TECHNOLOGY AND TELECOMMUNICATIONS  
3.00  
(Formerly CAGA128)  
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

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 responsibilities of an employee in a business setting related to their courses of study in business.  
Transfer: CSU

BUS 230  INTRODUCTION TO DIGITAL COMMERCE  
3.00  
(Formerly BUS130)  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Provides an overview of the digital commerce landscape, business and revenue models, and online marketing, selling, and delivery of products and services. Explores online security and privacy, payment gateways, site infrastructure, e-logistics and e-fulfillment, and related careers.  
Transfer: CSU

BUS 231  SOCIAL MEDIA MARKETING  
3.00  
(Formerly BUS131)  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Provides a hands-on introduction to social media marketing, including planning and evaluating effective social media marketing campaigns for businesses, incorporating Search Engine Optimization (SEO) into effective promotion, and engaging in brand reputation management.  
Transfer: CSU

BUS 232  DIGITAL COMMERCE: CONTENT AND SERVICES  
3.00  
(Formerly BUS132)  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Provides a hands-on introduction to developing an online store and creating and selling digital products such as videos, memberships, photos, online courses, ebooks, webinars and consulting services.  
Transfer: CSU

BUS 233  DIGITAL COMMERCE: PHYSICAL PRODUCTS  
3.00  
(Formerly BUS133)  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Provides hands-on experience building an online store that sells physical products. Addresses product sourcing, inventory management, shipping, delivery, reverse logistics, and customer service issues.  
Transfer: CSU

BUS 234  DIGITAL COMMERCE: ENTREPRENEURSHIP  
4.00  
(Formerly BUS134)  
4.00 hours per week: (4.00 lecture hours/0.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Prepares students to research, design, develop, and launch a digital commerce venture utilizing a leading digital commerce platform, such as Shopify. Focuses on the integration of payment gateways, inventory management, digital marketing, mobile commerce, analytics, product fulfillment, shipping, and relevant third-party services.  
Transfer: CSU

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  
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

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  
Provides principles, purposes, and practices of personal selling and its importance to an organization and to a free enterprise economic system.  
Transfer: CSU
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

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
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

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 practicum experience by an individual student in a selected topic of business under the direction of an instructor.
Transfer: CSU

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
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

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: Elementary Algebra or eligibility for transfer-level math using the current college process
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

BUS 253 WORK EXPERIENCE IN BUSINESS 0.50 to 4.00
0 hours per week: ()
Credit - Degree Applicable
Letter Grade or P/NP
Provides opportunities for students in Business to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

BUS 283 INTRODUCTION TO MANAGEMENT 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Presents business management principles and practices. Includes a study of organizational structures; the management functions of planning, organizing, leading and controlling; and managerial decision-making processes.
Transfer: CSU

BUS 285 HUMAN RESOURCE 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: BUS 245
Introduces the principles of effective human resource management. This course examines topics such as recruitment, selection, employee training programs, performance evaluation, compensation, employee relations and workplace health and safety, and the role of government regulations within those areas.
Transfer: CSU

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
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

CHEM 193 CHEMISTRY SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

CHEM 200 INTRODUCTORY CHEMISTRY 4.00
(Formerly CHEM 210FL)
7.00 hours per week: (3.00 lecture hours/4.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: Elementary Algebra or eligibility for transfer-level math using the current college process
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

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 200 or One year High School Chemistry or equivalent with a grade of C or better and Intermediate Algebra or eligibility for transfer-level mathematics using the current college process
Advisories: Knowledge of logarithms and graphical analysis of linear functions is strongly recommended. These topics are part of the pre-calculus curriculum
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

CHEM 210P 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 200 with a minimum grade of C or better and Intermediate Algebra or eligibility for transfer-level math using the current college process

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

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 200 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

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. Foundational organic chemistry concepts, structure, nomenclature, and the physical and chemical properties of hydrocarbons, alkyl halides, and alcohols are studied. Topics include stereochemistry, conformations, Valence Bond theory, infrared spectroscopy, mass spectrometry, as well as nucleophilic substitution, electrophilic addition, elimination, and radical reactions and reaction mechanisms. Laboratory work includes extensive study of organic techniques for isolation, purification, and characterization.

Transfer: CSU; UC C-ID CHEM 150. CHEM 212A+212B = C-ID CHEM 160S

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, 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.

CHEM 212A+212B = C-ID CHEM 160S
Transfer: CSU; UC

CHEM 212P PREPARATION FOR ORGANIC CHEMISTRY I 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 210B or concurrent enrollment

Reviews topics from general chemistry and presents introductory organic chemistry topics in preparation for Organic Chemistry I. Designed for students who meet the pre-requisites for Organic Chemistry I (or will before Organic Chemistry I is offered next) and would like to prepare. Includes topics on periodic table trends, molecular shapes and structures, valence bond theory, polarity, acidity and pKa, and drawing structures.

Transfer: CSU

CHEM 231 BIOCHEMISTRY 4.00
4.00 hours per week: (4.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: CHEM 210A
Advisories: CHEM 201B

Presents a detailed introduction to the principles, concepts and terminology of biochemistry with an emphasis on the structure and function of biological molecules and the role of metabolism in...
energy production. Topics include the fundamental structures, chemistry, and properties of four groups of biological macromolecules (carbohydrates, lipids, proteins and nucleic acids) and their building blocks. This course will also present protein structure and function, enzyme catalysis, and the details of the central metabolic pathways (e.g., glycolysis, gluconeogenesis, the citric acid cycle, electron transport, and oxidative phosphorylation) including their regulation and integration. Throughout the course the organizing principles of biochemistry and the distinctive characteristics of the living state will be emphasized.

Transfer: CSU; UC

**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 200 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) techniques as applied to small groups of chemistry students.

Transfer: CSU

**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

**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

**CHEM 252  WORK EXPERIENCE IN CHEMISTRY** 0.50 to 4.00
0 hours per week
Credit - Degree Applicable
Letter Grade Only

Provides opportunities for students in Chemistry to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.

Transfer: CSU

**CDFS 201  CHILD GROWTH AND DEVELOPMENT** 3.00  
(Formerly ECE201)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Examines the progression of development in the physical, cognitive, social, and emotional domains. Identifies developmental milestones, and evaluates individual differences, for children from conception through adolescence. Emphasizes interactions between biological processes and environmental factors. Applies knowledge of development and major theoretical frameworks to children at various stages in a variety of settings. Required for teachers in all early childhood education programs as a part of the 12 units for the Child Development Permit and licensing requirements for the State of California.

Transfer: CSU; UC

**CIDS 202  CHILD, FAMILY AND COMMUNITY** 3.00  
(Formerly ECE202)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Introduces the processes of socialization focusing on the inter-relationship of family, school, peers, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development, birth through adolescence. Required for teachers in all early childhood education programs as a part of the 12 units for the Child Development Permit and licensing requirements for the State of California.

Transfer: CSU; UC

**CIDS 203  CURRICULUM FOR YOUNG CHILDREN** 3.00  
(Formerly ECE203)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Introduces developmentally appropriate curriculum and environments for children birth through age eight. Emphasizes knowledge of children's development, theories of learning and development, and examples from various models of developmentally appropriate practice in the planning of environments and curriculum in all content areas to support children's development and learning integrated throughout indoor and outdoor settings. Required for teachers in all early childhood education programs as a part of the 12 units for the Child Development Permit and licensing requirements for the State of California.

Transfer: CSU

**CIDS 204  HEALTH, SAFETY, AND NUTRITION** 3.00  
(Formerly ECE204)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Introduces laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in early childhood settings, birth through middle childhood. Includes prevention strategies, nutrition, and meal planning for various ages and planning educational experiences integrated into daily routines designed to teach children positive health, safety, and nutrition habits.

Transfer: CSU

**CIDS 205  INTRODUCTION TO EARLY CHILDHOOD EDUCATION: PRINCIPLES AND PRACTICES** 3.00  
(Formerly ECE205)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable

**CIDS 206  HEALTH, SAFETY, AND NUTRITION II** 1.50
1.50 hours per week: (1.50 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Introduces laws, regulations, standards, policies, procedures, and best practices related to health, safety, and nutrition in early childhood settings, birth through middle childhood. Includes prevention strategies, nutrition, and meal planning for various ages and planning educational experiences integrated into daily routines designed to teach children positive health, safety, and nutrition habits.

Transfer: CSU

**CIDS 207  CHILDREN'S DEVELOPMENT** 4.50
4.50 hours per week: (4.50 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Introduces the processes of socialization focusing on the inter-relationship of family, school, peers, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between family, community, and schools in supporting children's development, birth through adolescence. Required for teachers in all early childhood education programs as a part of the 12 units for the Child Development Permit and licensing requirements for the State of California.

Transfer: CSU; UC

**CIDS 208  CURRICULUM FOR YOUNG CHILDREN II** 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Introduces developmentally appropriate curriculum and environments for children birth through age eight. Emphasizes knowledge of children's development, theories of learning and development, and examples from various models of developmentally appropriate practice in the planning of environments and curriculum in all content areas to support children's development and learning integrated throughout indoor and outdoor settings. Required for teachers in all early childhood education programs as a part of the 12 units for the Child Development Permit and licensing requirements for the State of California.

Transfer: CSU

**CIDS 209  LEARNING MENTOR 1.50**
1.50 hours per week: (1.50 lecture hours/0.00 lab hours)
Credit - Degree Applicable
P/NP Only
Advisories: CHEM 200 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) techniques as applied to small groups of chemistry students.

Transfer: CSU
Letter Grade Only
Prerequisites: CDFS 201, CDFS 202
Limitation on Enrollment: All students must have proof of TB Clearance, Measles (MMR), and Pertussis (DTaP or TDaP) required by the State of California.
Examines historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children birth through age eight. Explores the typical roles and expectations of early childhood educators. Identifies professional ethics, career pathways, and professional standards. Introduces best practices for developmentally appropriate learning environments, curriculum, and effective pedagogy for young children including how play contributes to children’s learning, growth, and development. This class satisfies three units for the Child Development Permit and Licensing Requirements for the State of California.
Transfer: CSU
C-ID ECE 120

CDFS 206  OBSERVATION, RECORDING TECHNIQUES AND ASSESSMENT  3.00
(Formerly ECE206)
4.00 hours per week: (2.50 lecture hours/1.50 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: CDFS 201, CDFS 202
Limitation on Enrollment: All students must have proof of TB Clearance, Measles (MMR), and Pertussis (DTaP or TDaP) required by the State of California.
Introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. Emphasizes the use of findings to inform and plan learning environments and experiences. Discusses recording strategies, rating systems, portfolios, and multiple assessment tools, along with strategies for collaboration with families and professionals. This class satisfies 3 units for the Child Development Permit.
Transfer: CSU
C-ID ECE 200

CDFS 211  MUSIC AND MOVEMENT ACTIVITIES FOR YOUNG CHILDREN  1.00
(Formerly ECE211)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Presents developmentally appropriate practices, techniques, and guidelines for designing music and movement experiences for young children. Stresses the role of music and movement across developmental domains, with practices that affirm and celebrate children's diverse cultures. Meets Title XXII requirements: DS 3, DS 5.
Transfer: CSU

CDFS 212  CHILDHOOD AND PLAY  1.00
(Formerly ECE212)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Provides an overview of children's play, designed to deepen our understanding of the importance of play throughout childhood and its role in development. The forms of play will be explored, through a cultural and historical lens.
Transfer: CSU

CDFS 215  CHILDREN IN A DIVERSE SOCIETY  3.00
(Formerly ECE215)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Examines the historical and current perspectives on diversity and inclusion and the impact of systemic societal influences on children's development, learning, and school experiences. Strategies for developmentally, culturally, and linguistically appropriate anti-bias curriculum will be explored as well as approaches to promote inclusive and anti-racist classroom communities. Includes self-reflection on the influence of teachers' own culture and life experiences on teaching and interactions with children and families.
Transfer: CSU, UC
C-ID ECE 210

CDFS 216  PRACTICUM: CURRICULUM ENVIRONMENT SUPERVISED FIELD EXPERIENCE  5.00
(Formerly ECE216)
9.00 hours per week: (3.00 lecture hours/6.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: CDFS 201, CDFS 202, CDFS 205, CDFS 203, CDFS 206
Limitation on Enrollment: All students must have proof of TB Clearance, Measles (MMR), and Pertussis (DTaP or TDaP) required by the State of California.
Demonstrates developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Utilizes practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Emphasizes reflective practice as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. Includes exploration of career pathways, professional development, and teacher responsibilities. Satisfies units for the Child Development Permit and licensing requirements for the State of California Department of Social Services Title XXII, Section 101215B.
Transfer: CSU
C-ID ECE 210

CDFS 217  THE STUDY OF PARENTING: THEORY AND PRACTICE  3.00
(Formerly ECE217)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
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 behaviors across the lifespan.
Transfer: CSU

CDFS 220  ART FOR CHILDREN  1.00
(Formerly ECE220)
1.00 hours per week: (1.00 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 and aesthetic development. Introduces a variety of media including drawing, painting, collage, printmaking, clay, and collage. Meets Title XXII requirements: DS 3, DS 5.
Transfer: CSU

CDFS 221  STEM IN EARLY CHILDHOOD  1.00
(Formerly ECE221)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Provides an overview of children's science, technology, engineering, and math (STEM) development from birth to age 8. STEM will be explored with an emphasis on diverse experiences and integration in all areas of the classroom.
Transfer: CSU

C-ID ECE 220
C-ID ECE 212
C-ID ECE 230
CDFS 223  LOOSE PARTS IN EARLY LEARNING: THEORY AND PRACTICE 1.00
(Formerly ECE223)
1.00 hours per week: (1:00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Explodes loose parts as a multidisciplinary curriculum tool through the lens of 21st century learning. Includes making connections, engagement, risk taking, innovative thinking, and creativity.
Transfer: CSU

CDFS 234  CHILDREN'S BOOKS AND NARRATIVES 3.00
(Formerly ECE234)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Surveys culturally diverse children's literature, from infancy through elementary school. Proposes criteria for literary and artistic evaluation, use, age appropriateness in selection, and critical perspectives. Introduces a wide range of authors, genres, and formats including folktales, fantasy, science fiction, poetry, historical fiction, realistic fiction, non-fiction, picture books, and graphic novels. Demonstrates presentation techniques, including storytelling. Meets Title XXII requirements: DS3, DS5.
Transfer: CSU

CDFS 235  UNDERSTANDING BEHAVIORS THAT CHALLENGE 1.00
(Formerly ECE235)
1.00 hours per week: (1:00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Provides an overview of young children's behaviors, within a family and cultural context, to understand the root causes of challenging behaviors and to promote resilience. Presents strategies for prevention, assessment, and intervention in early childhood settings.
Transfer: CSU

CDFS 236  INTRODUCTION TO CHILDREN WITH SPECIAL NEEDS 3.00
(Formerly ECE236)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Introduces the variations in development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, the identification and referral process, and community resources.
Transfer: CSU

CDFS 237  CURRICULUM AND STRATEGIES FOR CHILDREN WITH SPECIAL NEEDS 3.00
(Formerly ECE237)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: CDFS 236
Covers curriculum, intervention strategies, and laws for working with children with special needs in partnership with their families. Focuses on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. Includes the role of the teacher as a professional working with families, collaboration with interdisciplinary teams, and cultural competence.
Transfer: CSU

CDFS 240  INFANT AND TODDLER DEVELOPMENT 3.00
(Formerly ECE240)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Examines the major physical, cognitive, social and emotional developmental milestones from conception to age three. Applies theoretical frameworks to interpret behavior and interactions between heredity and environment. Emphasizes the role of family and relationships in development.
Transfer: CSU

CDFS 242  CARE AND EDUCATION FOR INFANTS AND TODDLERS 3.00
(Formerly ECE242)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Applies theory and research to the care and education of infants and toddlers in a group setting. Examines essential policies, principles, and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months.
Transfer: CSU

CDFS 245  ADULT SUPERVISION AND MENTORING 3.00
(Formerly ECE245)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Addresses the various components of supervision in early education settings. Emphasis is placed on leadership, advocacy, mentoring, and collaborating in the early education environment, and to develop positive relationships with student teachers, staff, volunteers, families, and other adults. This course presents development of early childhood professionals as leaders, and satisfies the adult supervision requirement for the Master Teacher (and above) levels for the Child Development Permit.
Transfer: CSU

CDFS 246  ADMINISTRATION I: PROGRAMS IN EARLY CHILDHOOD EDUCATION 3.00
(Formerly ECE246)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Introduces administration of early childhood programs. Covers program types, budget, management, regulations, laws, development and implementation of policies and procedures. Examines administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. This class satisfies 3 units for the Child Development Permit.
Transfer: CSU

CDFS 248  ADMINISTRATION II: PERSONNEL AND LEADERSHIP IN EARLY CHILDHOOD EDUCATION 3.00
(Formerly ECE248)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Explores the effective strategies for personnel management and leadership in early care and education settings. Includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. This course meets the requirements for 3 units in this area/basic level and satisfies 3 units for the Child Development Permit.
Transfer: CSU
CSS 099  COLLEGE READING STRATEGIES  3.00  
(Formerly ACSK099)  
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.  

CSS 099  NON-CREDIT SUPERVISED TUTORING  0.00  
(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.  

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  
Prerequisites: CSS 080 with a minimum grade of C or better or eligibility for ENGL 099  
Advisories: CSS 099, CSS 080, CSS 085, CSS 099, CSS 099, CSS 099  
Provides instruction in study strategies in research, textbook studying, subject-specific studying, test taking, using the library, critical analysis, problem solving, and creative thinking. 
Prerequisite: CSS 080 with a minimum grade of C or better. 
Repeatable.  

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  
Provides 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.  

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  
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  

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.  

CSS 080  READING STRATEGIES  3.00  
(Formerly ACSK080, CSS080)  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
Credit - 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.  

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.  

CSS 252  WORK EXPERIENCE IN EARLY CHILDHOOD EDUCATION  0.50 to 4.00  
(Formerly ECE252)  
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)  
Credit - Degree Applicable  
Letter Grade Only  
Provides opportunities for students in Early Childhood Education to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor. 
Transfer: CSU  

CDFS 289C  FIELDWORK: FOUNDATIONS IN PARENTING EDUCATION  1.00  
(Formerly HDHS289C)  
3.00 hours per week: (0.00 lecture hours/3.00 lab hours)  
Credit - Degree Applicable  
Letter Grade Only  
Prerequisites: CDFS 217 or concurrent enrollment.  
Facilitates a supervised field experience in the area of parenting education, with family strengthening agencies, allowing the student to apply theory and gain new knowledge outside the classroom environment. Provides students with an opportunity to develop skills in preparation for employment in the parenting education field. 
Transfer: CSU  

COLLEGE SUCCESS STUDIES  

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.  

CSS 059  COLLEGE SUCCESS STUDIES  1.00  
(Formerly ACSK059)  
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)  
Credit - Not Degree Applicable  
P/NP Only  
Provides assistance in meeting the needs of students who are working towards college success with access to campus resources in a self-paced and individualized setting. 
Repeatable.  

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  
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.  

CSS 099  NON-CREDIT SUPERVISED TUTORING  0.00  
(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.  

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  
Prerequisites: CSS 080 with a minimum grade of C or better or eligibility for ENGL 099  
Provides instruction in study strategies in research, textbook studying, subject-specific studying, test taking, using the library, critical analysis, problem solving, and creative thinking. 
Prerequisite: CSS 080 with a minimum grade of C or better. 
Repeatable.  

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  
Provides 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.  

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  
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
CSS 254  MAJOR AND CAREER EXPLORATION  1.00
(Formerly COUN254)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Assesses the student's values, interests and abilities to help the student select a fulfilling career path, a college major appropriate to that career path and an educational plan for achieving the student's goals.
Transfer: CSU

CSS 725 COLLEGE LEARNING STRATEGIES  0
6.00 hours per week: (2.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Presents essential study methods that promote college success. Topics include: 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.
Repeatable

CSS 754 MAJOR AND CAREER EXPLORATION  0
3.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Assesses the student's values, interests and abilities to help the student select a fulfilling career path, a college major appropriate to that career path, and an educational plan for achieving the student's goals.
Repeatable

CSS 758 GRAMMAR STRATEGIES  0
2.00 hours per week: (2.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Focuses on sentence structure, punctuation, and common errors in writing. Provides extensive practice in grammar usage to improve writing effectiveness and reading comprehension. Instruction is contextualized through student reading and writing assignments.
Repeatable

CSS 768 TUTOR TRAINING: SELECTED TOPICS  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
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

CSS 789 INTEGRATED READING AND WRITING  0
3.00 - 5.00 hours per week: (3.00 - 5.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Develops essential reading and writing skills necessary to succeed in developmental and transfer level English. Increases reading efficiency, comprehension, and vocabulary skills as well as retention of textbook information. Introduces students to the sequential development of paragraph writing beginning with sentence structure.
Repeatable
COMPUTER INFORMATION SYSTEMS

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

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

COMM 280 FUNDAMENTALS OF HUMAN 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
Introduces students to the history and symbolic process of human communication through the study of basic communication models, 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 Communication Studies add to their existing body of knowledge.
Transfer: CSU
C-ID COMM 180

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.

CIS 154 ESSENTIALS OF MS OUTLOOK 2.00
(Formerly CAOA154)
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.

CIS 156 TEST PREP FOR MICROSOFT OFFICE SPECIALIST (MOS) CERTIFICATION 0.50
(Formerly CAOA156)
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.

CIS 173 ADOBE ACROBAT 1.50
(Formerly CAOA173)
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.

CIS 193 COMPUTER INFORMATION SYSTEMS SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

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.

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

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

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

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

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

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
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
C-ID BUS 140

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

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

CIS 220  INTRODUCTION TO CLOUD COMPUTING  2.00
2.00 hours per week: (2.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Presents concepts of developing and deploying computer applications on the Internet using cloud-based services. Includes techniques for design, implementation, and security.

Transfer: CSU

CIS 223  CLOUD PROGRAMMING  3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Advisories: CIS 201 and CIS 220
Presents theory and implementation of cloud-based application development principles, standards, and operations. Topics include programming, server models, decoupling, security, and design patterns.

Transfer: CSU

CIS 225  CLOUD DATABASES  2.00
2.00 hours per week: (2.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Advisories: CIS 201
Presents essentials of query and database technologies for software developers. Students learn both SQL and NoSQL languages. Best-practices for database management and security are defined. Principles are applied by performing exercises to create and fill tables, retrieve and manipulate data, perform data analysis.

Transfer: CSU

CIS 226  CLOUD ARCHITECTURE AND SECURITY  3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Advisories: CIS 220
Explores best-practices for the architectural design of internet applications that utilize multiple cloud services concurrently. Topics include networking for developers, security, serverless designs, decoupling, and automation.

Transfer: CSU

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
C-ID COMP 122

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
C-ID COMP 132
C-ID COMP 132
CNET 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

CNET 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

CNET 219   NETWORK INFRASTRUCTURE FUNDAMENTALS  4.00
6.00 hours per week: (3.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Provides students with insights and experience with game design and development. 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
C-ID COMP 145

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
C-ID COMP 145

CNET 235   CYBER SECURITY FUNDAMENTALS  4.00
(Formerly CIS235)
6.00 hours per week: (3.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Investigates computer and network security issues in a Linux environment. Examines simulated attacks and how to use network security products, operating system security features, and other hardware/software based tools to counter these threats and harden networks.
Transfer: CSU
CNET 252 WORK EXPERIENCE IN COMPUTER AND NETWORK TECHNOLOGY 0.50 to 4.00
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Computer and Networking Technology to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 work experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

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

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

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 wire map, 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

CNET 256 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 Internet working 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

CNET 256 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 (IPSec) 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

CNET 256 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

CNET 256 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

CNET 256 COMPUTER SYSTEM SECURITY 0
6.00 hours per week: (3.00 lecture hours/3.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
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. Repeatable.
CTCH 193  CONSTRUCTION TECHNOLOGY
SPECIAL TOPIC  0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

CTCH 200  WORKPLACE SAFETY- OSHA10  0.50
(Formerly CTCH 100)
0.60 hours per week: (0.60 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Provides basic safety and health information and education for the construction industry that fulfills the OSHA10 requirements. Provides training for workers and employers on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces in the construction industry. Also provides information regarding workers' rights, employer responsibilities, and how to file a complaint.
Transfer: CSU

CTCH 210  BLUEPRINT READING  2.00
2.00 hours per week: (2.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
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.
Transfer: CSU

CTCH 220  FOUNDATIONS AND SLABS  1.00
2.00 hours per week: (0.50 lecture hours/1.50 lab hours)
Credit - Degree Applicable
Letter Grade Only
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, and concrete flatwork.
Transfer: CSU

CTCH 222  FLOOR FRAMING  1.00
2.00 hours per week: (0.50 lecture hours/1.50 lab hours)
Credit - Degree Applicable
Letter Grade Only
Provides basic instruction in the skills and knowledge required to install floor systems. Also includes the sizing of floor joists and sheathing.
Transfer: CSU

CTCH 224  WALL FRAMING  1.00
2.00 hours per week: (0.50 lecture hours/1.50 lab hours)
Credit - Degree Applicable
Letter Grade Only
Presents an introduction to framing walls, ceiling joists, exterior siding, shear walls, trusses, and windows.
Transfer: CSU

CTCH 226  ROOF CONSTRUCTION  1.00
2.00 hours per week: (0.50 lecture hours/1.50 lab hours)
Credit - Degree Applicable
Letter Grade Only
Presents an introduction to framing roofs, roof decking, composite shingles, and tiles. Live and dead loads will also be discussed.
Transfer: CSU
Counseling

COUN 156 STUDENT SUCCESS 1.00
Credit - Degree Applicable
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Letter Grade or P/NP
P/NP Only
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.

Criminal Justice

CJ 193 CRIMINAL JUSTICE SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

CJ 202 INTRODUCTION TO CRIMINAL JUSTICE 3.00
Credit - Degree Applicable
Letter Grade Only
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 theo-
ries. 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
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
Examines and analyzes due process in criminal proceedings from
investigation through trial, sentencing, and appeal. Includes a re-
view of statutory law, and state and federal constitutional case law.
Transfer: CSU
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
Presents elements of the penal code and general laws about crimes
against persons, property, standards of morality, and the state.
Transfer: CSU, UC
C-JD AJ 120
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
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
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
Presents investigation fundamentals of crime scene search, col-
lecting/ recording evidence, interviews and interrogation. Covers
procedures used in investigating various kinds of criminal activity.
Transfer: CSU
C-ID AJ 140
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
Studies patrol operations, strategies, objectives, technologies and
techniques. Explores effective communication, terrorism manage-
ment, emergency response strategies and responses to calls for
service.
Transfer: CSU
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
Explores the complex dynamic relationships between the commu-
nity 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
impacts cultural competence and facilitation of conflict resolution.
Transfer: CSU
C-ID AJ 160
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
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
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
Presents the history, operation, management, and procedures of the
adult and juvenile correctional systems, including probation and pa-
role. 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
CJ 252 WORK EXPERIENCE IN CRIMINAL JUSTICE 0.50 to 4.00
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Criminal Justice to acquire
and demonstrate employer-desired workplace competencies and
skills. Employment is related to the student's educational major
and/or career goals. Students may earn a maximum of four credits
per semester and a total of 16 Work Experience credits over four
semesters. Students must work 75 paid work hours or 60 non-paid
work hours for each credit earned. There are required meetings
with the Faculty Advisor and workplace supervisor.
Transfer: CSU
C-ID AJ 200
CUL 110 SURVEY OF BASIC CULINARY SKILLS 1.00
2.00 hours per week: (1.50 lecture hours/0.50 lab hours)
Credit - Degree Applicable
P/NP Only
Designed for students interested in an overview of basic culinary
skills, food preparation, nutrition, cleaning, and safety methods.
Students will gain hands-on training of skills, techniques and
methods needed to follow and prepare recipes, conduct proper food
handling, safety and cleaning methods, along with the skills and
techniques needed to prepare quality food.
CUL 193B MEDITERRANEAN CULINARY FIELD STUDIES 1.00
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Provides opportunities for hands-on culinary studies in the Mediter-
ranean. Aligns with the current scientific research on the benefits of
Mediterranean cuisine, which can be incorporated into the culinary
profession. Explores the culinary arts in the Mediterranean with the
AIFS Abroad program including Athens, Greece; Florence, Italy; and
Barcelona, Spain.
CUL 210 CULINARY ARTS FUNDAMENTALS I 3.00
5.00 hours per week: (2.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: CUL 215 or CUL 213 or equivalent food handlers certificate or concurrent enrollment in any one of the above

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 kitchen in the production of stocks, broths, sauces, gravies, soups, and breakfast cookery.

Transfer: CSU
C-ID HOSP 160, HOSP 210 + 220 = C-ID HOSP 160 and 160X

CUL 213  BASIC FOOD SAFETY AND SANITATION  0.50
(Formerly NUTR213)
2.00 hours per week: (2.00 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
C-ID HOSP 110

CUL 220  CULINARY ARTS FUNDAMENTALS II  3.00
5.00 hours per week: (2.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade Only or P/NP

Prerequisites: CUL 215 or CUL 213 or equivalent food handlers certificate or concurrent enrollment in any one of the above

Engages the student in the practical kitchen application of vegetables, starches, and proteins, 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, meat, and legume dishes.

Transfer: CSU
HOSP 210 + 220 = C-ID HOSP 160 and 160X

CUL 225  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

Prerequisites: CUL 213 or CUL 215 or Current ServSafe Food Protection Manager certification or Current ServSafe California Food Handler card or Concurrent enrollment in any one of the above

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.

Transfer: CSU

CUL 241  CULINARY GARDENING: COOL SEASON CROPS 2.00
3.00 hours per week: (1.00 lecture hours/2.00 lab hours/1.00 activity hours)
Credit - Degree Applicable
Letter Grade Only

Expands knowledge of Culinary Gardening to connect the culinary arts with agriculture and food service for institutions. Includes creating sustainable food systems, developing menus, planting schedules, and culinary gardens in the fall season.

Transfer: CSU

CUL 242  CULINARY GARDENING: WARM SEASON CROPS 2.00
3.00 hours per week: (1.00 lecture hours/2.00 lab hours/1.00 activity hours)
Credit - Degree Applicable
Letter Grade Only

Expands knowledge of Culinary Gardening to connect the culinary arts with agriculture and food service for institutions. Includes creating sustainable food systems, developing menus, planting schedules, and culinary gardens for the spring season.

Transfer: CSU

CUL 243  CUINESSES OF THE WORLD  1.00
2.00 hours per week: (1.50 lecture hours/1.50 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Engages the student in exploring cuisine traditions and their evolution, from various regions around the world, in the Americas, Asia, Africa, Europe and Oceania. Explores the history, role, and application of indigenous and introduced ingredients, flavor components, and cooking techniques. Includes hands on preparation of dishes, demonstrating understanding of kitchen equipment, food safety, and nutrition optimization.

Transfer: CSU

CUL 245  ADVANCED PASTRY ARTS  2.00
3.00 hours per week: (1.50 lecture hours/1.50 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Prerequisites: CUL 213 or CUL 215 or Current ServSafe Food Protection Manager certification or Current ServSafe California Food Handler card or Concurrent enrollment in any one of the above

Engages the student in the advanced techniques of classical and modern pastry. Emphasizes advanced professional bakeshop operations. Provides the opportunity to create and display artisan breads, enriched yeast breads, laminated dough, tortes and specialty cakes, pastries, petits fours and confections, meringues and chocolates.

Transfer: CSU

CUL 249  PLANT-BASED CUISINE  3.00
(Formerly CUL149)
5.00 hours per week: (2.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Engages the student in gourmet plant-based ingredient selection, food preparation, and cooking techniques, focusing on food service applications to create a wide variety of plant-based meals.

Transfer: CSU

CUL 252  WORK EXPERIENCE IN CULINARY ARTS  0.50 to 4.00
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only

Provides opportunities for students in Culinary Arts to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student’s educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.

Transfer: CSU

CUL 254  CULINARY ENTREPRENEURSHIP  3.00
3.00 hours per week: (3.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP

Introduces the student to the Culinary Entrepreneurship profession and the professional business atmosphere with a focus on culinary arts with agriculture and food service for institutions. Includes creating sustainable food systems, developing menus, planting schedules, and culinary gardens for the spring season.

Transfer: CSU

C-ID HOSP 160, HOSP 210 + 220 = C-ID HOSP 160 and 160X

Transfer: CSU
ARTS PROFESSIONS. Emphasis on examining the opportunities available to culinary arts professionals, including catering business and food product development business, as well as researching and planning for catering business creation, costing analysis, culinary business marketing techniques, managing culinary business equipment and staff, and examination of culinary business operations. The course includes "hands on" experience in creating a culinary entrepreneur business plan based.

Transfer: CSU

CUL 255 CATERING PRINCIPLES 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: CUL 215 or CUL 213
Examines the catering industry with special attention given to catering from a customer’s perspective. Students completing this course should be able to plan and implement a variety of catering functions. Experiential learning opportunities will be included in this course.
Transfer: CSU

CUL 260 FOOD PRODUCTION 3.00
7.00 hours per week: (1.00 lecture hours/6.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: CUL 213 or CUL 215 or equivalent food handlers certificate or concurrent enrollment in any one of the above.
Provides hands-on lab experience in a working kitchen. Provides practice of basic culinary food production skills needed for this profession. Emphasizes practical techniques required to create and serve quality food items.
Transfer: CSU

CUL 290 CULINARY: WEIGHTS, MEASURES AND CALCULATIONS 1.00
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Develops math skills that are vital to the foodservice industry, including recipe conversion, scaling and yields, production baking formulas, weights and measures, product yield tests, and recipe and food cost analysis.
Transfer: CSU

CUL 713 BASIC FOOD SAFETY AND SANITATION 0
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-credit Course
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. Repeatable.

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 types of technologies utilized in a distance education course and the academic and technological skills needed to be successful in distance education courses.

DISTANCE

DRA 200 ACTING 1 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

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

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 Only
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

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

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
Explores the theories and practices of scenery and prop construction and introduces the fundamentals of scenic design. Topics include: construction materials, techniques, design.
Transfer: CSU; UC
C-ID THTR 171
C-ID THTR 192
Transfer: CSU; UC
Letter Grade or P/NP
Credit - Degree Applicable
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)

DRA 242    THEATRICAL DESIGN PRACTICUM  3.00
Credit - Degree Applicable
Letter Grade Only
Prerequisites: DRA 240
Offers instruction and design opportunities in theatrical lighting, sound, scenery, props or costumes. Projects culminate with a live performance.
Transfer: CSU; UC
C-ID THTR 192

DRA 243    TECHNICAL MANAGEMENT PRACTICUM  3.00
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: DRA 240
Offers instruction and management opportunities in theatrical lighting, scenery, props, costumes or stage management. Projects culminate with a live performance.
Transfer: CSU; UC
C-ID THTR 192

DRA 247    INDEPENDENT STUDIES: DRAMA  0.50 to 2.00
Credit - Degree Applicable
Letter Grade or P/NP
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

DRA 253    WORK EXPERIENCE IN DRAMA  0.50 to 4.00
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Drama to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

DRA 260    REHEARSAL AND PERFORMANCE: CHILDREN'S THEATRE  3.00
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: Instructor's consent through audition.
Prepare and present a role in a one-act children's theatre production that will tour county schools. Company members contribute to all aspects of the production, including performance and interpretive elements. Course focuses on the unique challenges of performing for young audiences, as well as adapting to different performance venues. Students enrolled in this course will participate in the Kennedy Center American College Theater Festival Competitions.
Repeatable 3 time(s).
Transfer: CSU; UC
C-ID THTR 191

DRA 261    REHEARSAL AND PERFORMANCE: SHAKESPEARE/CLASSICAL  3.00
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: Instructor's consent through audition.
Act in a staged classical production that is presented to a live audience. This course is available for students who have been selected to participate in the Cuesta College Shakespeare Festival. Offers the opportunity for intermediate skill building in the performance of classical plays. Projects culminate with a live performance.
Transfer: CSU; UC
C-ID THTR 191
ECON 193 ECONOMICS SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

ECON 200 SURVEY OF ECONOMICS 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Introduces basic economic topics such as supply and demand, and provides an introduction to topics in both microeconomics and macroeconomics. Designed for the non-economic major, illustrating the application of basic economic principles to contemporary issues and initial understanding of public policy. CREDIT LIMITATION: No credit if taken after ECON 201A or ECON 201B.
Transfer: CSU; UC

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: Elementary Algebra or eligibility for transfer level math using the current college process
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 201A

ECON 201B PRINCIPLES OF MICROECONOMICS 3.00
2.00 hours per week: (2.00 lecture hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: Elementary Algebra or eligibility for transfer level math using the current college process.
Advisories: Intermediate Algebra or eligibility for transfer level math using the current college process
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.
Transfer: CSU; UC (For UC, maximum credit of 3 units total between AGB 201 and ECON 201B)
C-ID ECON 201B

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

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

EDUC 200 INTRODUCTION TO THE TEACHING PROFESSION 3.00
(Formerly ECE213)
5.00 hours per week: (2.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Examines concepts and issues related to teaching diverse learners in today's contemporary schools. Provides a minimum of 45 hours of supervised observation and participation in cooperating public schools. Discussion focuses on California's content standards and
frameworks, instructional practice, historical, philosophical and social foundations of American public education. Examines opportunities, requirements, responsibilities, new directions, and rewards in teaching. Places students in a more informed position regarding the decision to pursue a career in education.

Transfer: CSU, UC
C-ID EDUC 280

EDUC 210 ETHNIC STUDIES FOR EDUCATORS 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prepares students to utilize the concepts and methods of Ethnic Studies in teaching and pedagogical practice in K-12 education. Discusses the role of intersectionality, identity, and collective struggle in educational institutions, focusing on Native American, African American, Asian American and Latina and Latino American communities. Covers the historical inequalities reproduced within education and schools, the knowledge produced by these communities and the strategies used for resistance and liberation.

Same as ETHN 210
Transfer: CSU, UC

EDUC 220 INTRODUCTION TO SPECIAL EDUCATION AND THE PARAEDUCATOR PROFESSION 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Introduces students to Special Education and the paraeducator professions. Prepares students to work as paraeducators in local schools for which there is a high demand. Supports students pursuing all five teacher pathways and is foundational to the Special Education Teacher Preparation Pathway.

Transfer: CSU

EDUC 252 WORK EXPERIENCE IN EDUCATION 0.50 to 4.00
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Education to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.

Transfer: CSU

EET 113 ELECTRONICS FOR COMPUTER TECHNICIANS 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Advisories: MATH 123 with a minimum grade of C or better.
Introduces a broad range of topics in electricity and electronics. Fundamentals of Direct Current (DC) and Alternating Current (AC) circuits as well as applications are presented. Additionally, industry best practices are covered. This course is designed for computer networking technicians and related disciplines. This course is not intended for electricians or electrician trainee certification.

Transfer: CSU, UC

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.

Transfer: CSU, UC

EET 169 RESIDENTIAL WIRING 3.00
(Formerly CTCH189)
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.

Transfer: CSU

EET 181 NATIONAL ELECTRICAL CODE 3.00
(Formerly CTCH183)
6.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: EET 169
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.

Transfer: CSU

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 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, uninterpretable 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.

Transfer: CSU

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
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

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
Prerequisites: EET 213
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

**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

**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 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

**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

**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

**EMERGENCY MEDICAL SERVICES**

**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.

**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.

**EMS 105L**  PARAMEDIC PREPARATORY LAB  0.50  
1.80 hours per week: (1.80 lecture hours/0.00 lab hours)  
Credit - Degree Applicable  
P/NP Only  
Prerequisites: Current county EMT certificate; American Heart Association Healthcare Provider CPR or Red Cross Professional Rescuer; 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.

**EMS 193**  EMERGENCY MEDICAL SERVICES SPECIAL TOPIC  0.50 to 4.00  
Credit - Degree Applicable  
Letter Grade or P/NP  
Examines a special topic in the field of study related to the discipline offering this course.

**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
Meets the U.S. Department of Transportation Emergency Medical Technician (EMT) National Standard Curriculum and state of CA (Title 22) regulations for students desiring certification as an EMT. State certification as an EMT is mandated as the minimal level of emergency medical training required to work on any ambulance and in most fire departments. Students must be 18 years of age by the first class meeting and are required to bring a valid CA driver's license or other government issued photo ID to show proof of age and a copy of current American Heart Association (AHA) issued Healthcare Provider (BLS Provider) or (American Red Cross) ARC issued CPR for the Professional Rescuer (BLS Provider) to first class meeting. Student is required to complete a drug screen and background check. Proof of immunizations and Physical Exam will be needed prior to clinical rotations. Uniform and other related materials will be required.

Transfer: CSU

EMS 210  PARAMEDIC THEORY I  17.00
(Formerly EMS106)
18.00 hours per week: (18.00 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 EMT 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 National Curriculum.

Transfer: CSU

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
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 EMT 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 National Curriculum.

Transfer: CSU

EMS 211L  PARAMEDIC SKILLS  1.50
4.50 hours per week: (4.50 lecture hours/4.50 lab hours)
Credit - Degree Applicable
P/NP Only
Corequisites: EMS 211
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

EMS 212  PARAMEDIC CLINICAL  4.00
(Formerly EMS107L)
12.00 hours per week: (0.00 lecture hours/ 12.00 lab hours)
Credit - Degree Applicable
P/NP Only
Prerequisites: EMS 211 and EMS 211L
Corequisites: EMS 213
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 National Standard Curriculum.

Transfer: CSU

EMS 213  PARAMEDIC INTERNSHIP  9.00
27.00 hours per week: (27.00 lecture hours/27.00 lab hours)
Credit - Degree Applicable
P/NP Only
Prerequisites: EMS 211 and EMS 211L
Corequisites: EMS 212
Provides 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 213 meets the minimum hours 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 National Standard Curriculum.

Transfer: CSU

EMERITUS COLLEGE

ECOL 406  COMPOSING YOUR LIFE STORY  0
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)
Noncredit
Non-credit Course
Repeatable.

Presents creative approaches to telling your life story. This course engages students in the process of composing meaningful and engaging life stories, including identifying and reflecting on themes, locating records and memory treasures, and writing and other forms of life review. Participants with ongoing memoir writing projects are welcome as well as those who just beginning and would like direction and guidance. Designed for adults over 50.

ECOL 408  MUSIC APPRECIATION  0
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)
Noncredit
Non-credit Course
Repeatable.

Introduces students to many styles and genres of music, including Western music and music from traditions and cultures from around the world. Develops critical listening ability and enriches musical experiences with the study of genres and forms, composers, historical context and influences of a variety of musical selections. Designed for Adults 50+.

ECOL 409  CHORAL ENSEMBLE  0
0.50 - 6.00 hours per week: (0.50 lecture hours/ 6.00 lab hours)
Noncredit
Non-credit Course
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.

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.

Ecol 414  Art: Drawing  0  
1.00 - 3.00 hours per week: (1.00 - 3.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Introduces basic drawing as well as exploration of a variety of drawing materials and applications which will guide the student in using technique and observation skills in creative endeavors. Advanced approaches will be introduced as student skills expand. This course is designed for adults over 50.  
Repeatable.

Ecol 415  Yoga  0  
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Introduces yoga practice to promote balance, muscle strength and stamina, which are performed at each student’s ability. Through demonstration and explanation this class introduces poses, breathing, body alignment and relaxation techniques. Students will discover how yoga promotes wellness, reduces stress and heals. Designed for adults 50+.  
Repeatable.

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 present 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.

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.

Ecol 420  Finance: Wills and Trusts  0  
1.00 hours per week: (1.00 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.

Ecol 421  Great Literature: Selected Reading  0  
1.50 hours per week: (1.50 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Introduces fundamental painting. This includes knowledge and care of materials, color mixing and application techniques, brush applications, compositing, finishing and evaluation of art of various subjects. Advanced approaches will be introduced as student skills expand. This course is designed for adults over 50.  
Repeatable.

Ecol 425  Art Appreciation  0  
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Introduces fundamental painting. This includes knowledge and care of materials, color mixing and application techniques, brush applications, compositing, finishing and evaluation of art of various subjects. Advanced approaches will be introduced as student skills expand. This course is designed for adults over 50.  
Repeatable.

Ecol 427  Creative Cooking and Health Eating  0  
1.00 - 3.00 hours per week: (1.00 - 3.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Introduces fundamental painting. This includes knowledge and care of materials, color mixing and application techniques, brush applications, compositing, finishing and evaluation of art of various subjects. Advanced approaches will be introduced as student skills expand. This course is designed for adults over 50.  
Repeatable.

Ecol 428  Film Appreciation  0  
1.50 hours per week: (1.50 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Introduces fundamental painting. This includes knowledge and care of materials, color mixing and application techniques, brush applications, compositing, finishing and evaluation of art of various subjects. Advanced approaches will be introduced as student skills expand. This course is designed for adults over 50.  
Repeatable.
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.

**ECOL 429** PHOTOGRAPHY: EQUIPMENT AND TECHNIQUES FOR ADULTS 50+

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.

**ECOL 433** SENIOR SEMINAR

0.50 - 3.00 hours per week: (0.50 - 3.00 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 in areas such as health, culture, philosophy, psychology, economy, science, history, literature, current events, consumer awareness and finance. In a setting that encourages dialogue and interaction each class presents a specific subject or issue of interest to the older adult.
Repeatable.

**ECOL 434** EXPLORATION IN ART

0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)
Noncredit
Non-credit Course
Encourages art appreciation, self-expression and creativity in a variety of art media. Projects give students experience with different creative traditional and/or nontraditional artistic methods, design techniques, tools and materials. Each class will focus on specific media and projects. Designed for adults 50+.
Repeatable.

**ECOL 437** COMMUNITY MUSIC ENSEMBLE

0.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/0.50 - 6.00 lab hours)
Noncredit
Non-credit Course
Provides a venue for older adults to discover or strengthen their musical creativity, personal instrumental or vocal skill, performance standards, and self-confidence. Students will learn to play their instrument or sing and build or renew a repertoire of compositions and songs while strengthening their ability to express themselves musically. Each section of the course is offered for choral, symphonic, jazz or other ensemble. This course prepares concert performances.
Repeatable.

**ECOL 439** COMPUTER BASICS

0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)
Noncredit
Non-credit Course
Introduces computer basics including machine functions, keyboard use, fundamental word processing, spreadsheets, presentations, email and web browsing. Designed for the adult 50+.
Repeatable.

**ECOL 470** ADAPTED EXERCISE

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)
Noncredit
Non-credit Course
Promotes maintenance of the physical and mental well-being of the 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.

**ECOL 471** MUSIC ARTS

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)
Noncredit
Non-credit 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 engage with variety of music.
Repeatable.

**ECOL 472** CREATIVE ARTS

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)
Noncredit
Non-credit Course
Provides physical and mental stimulation through engagement with a variety of art media. Designed for older adults, project encourage expression and appreciation of art through 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.

**ECOL 473** FUN WITH FOOD

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)
Noncredit
Non-credit Course
Presents a large variety of food topics and activities related to the health and well being of the older adult. Diverse topics of interest such as personal experiences and cultural traditions, nutrition, consumerism, entertaining, and health and safety will be discussed.
Repeatable.

**ECOL 474** REMINISCING

2.00 hours per week: (0.00 lecture hours/2.00 lab hours)
Noncredit
Non-credit Course
Presents various topics as a basis for reminiscing about life experiences and for recalling cultural and historical events that marked one's life.
Repeatable.

**ENGR 193** ENGINEERING SPECIAL TOPIC

Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

**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
Advisories: ENGR 226
Introduces the principles and practices of surveying, including the use of the engineer's tape, level, transit, and total station. 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. Introduces maps and land descriptions.
  
**ENGR 202 INTRODUCTION TO CIVIL 3D**  
4.00 hours per week: (1.00 lecture hours/3.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Advisories: ENGR 201, ENGR 225, or ENGR 226  
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

**ENGR 205 SURVEY OF MANUFACTURING**  
3.00 hours per week: (2.00 lecture hours/3.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Introduces manufacturing technology. Topics include basic tool geometry, blueprint reading, shop math, precision measuring tools, coordinate systems and how to safely operate various types of industrial equipment.  
Transfer: CSU; UC

**ENGR 210 COMPUTATIONAL METHODS FOR ENGINEERS**  
3.00 hours per week: (2.00 lecture hours/3.00 lab hours)  
Credit - Degree Applicable  
Letter Grade Only  
Prerequisites: Completion of MATH 265A or higher  
Advisories: PHYS 205A or PHYS 208A  
Utilizes the MATLAB and Excel environment to provide students with a working knowledge of computer-based problem-solving methods relevant to science and engineering. It introduces the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Examples and assignments in the course are drawn from practical applications in engineering, physics, and mathematics.  
Transfer: CSU; UC  
C-ID ENGR 220

**ENGR 217 CIRCUIT ANALYSIS**  
4.00 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  
C-ID ENGR 260 + 260L

**ENGR 225 AUTOCAD**  
(Formerly ENGR125)  
1.00 hours per week: (0.50 lecture hours/1.50 lab hours)  
Credit - Degree Applicable  
Letter Grade Only  
Advisories: CIS 210 or basic knowledge of a Windows operating environment  
Introduces AutoCAD. Topics include all basic drawing commands, layers, dimensioning, and editing objects. Intended for those students wanting to learn the software and not necessarily how to draw. Ideal for professional engineers and architects or students in architecture or interior design.  
Transfer: CSU

**ENGR 226 ENGINEERING DRAWING**  
4.00 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

**ENGR 228 DETAILED DESIGN WITH SOLIDWORKS**  
3.00 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

**ENGR 246 MATERIALS ENGINEERING**  
3.00 hours per week: (3.00 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. 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 phase diagrams.  
Transfer: CSU; UC

**ENGR 246L ENGINEERING MATERIALS LAB**  
1.00 hours per week: (0.00 lecture hours/3.00 lab hours)  
Credit - Degree Applicable  
Letter Grade Only  
Prerequisites: CHEM 201A  
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

**ENGR 247 INDEPENDENT STUDIES: ENGINEERING**  
0.50 to 2.00 hours per week: (0.00 - 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

**ENGR 248 INTRODUCTION TO ENGINEERING**  
2.00 hours per week: (1.00 lecture hours/3.00 lab hours)  
Credit - Degree Applicable  
Letter Grade Only  
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
C-ID ENGR 110

**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 and MATH 265B
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
C-ID ENGR 130

**ENGR 251  ENGINEERING DYNAMICS** 3.00

3.00 hours per week: (3.00 lecture hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: ENGR 250
Analyze the fundamentals of kinematics and kinetics of particles and rigid bodies. Topics include kinematics of particle motion; Newton’s second law; work-energy and momentum methods; kinematics of planar motions of rigid bodies; work-energy and momentum principles for rigid body motion.

Transfer: CSU, UC
C-ID ENGR 130

**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
Studies 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
ENGR 252A + ENGR 252B = C-ID ENGR 240

**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
Studies 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).
ENGR 252A + ENGR 252B = C-ID ENGR 240

**ENGR 255  UNDERGRADUATE STEM SEMINAR** 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 - Degree Applicable
Letter Grade or P/NP
Introduces students to a variety of STEM fields (science, technology, engineering and mathematics) using a seminar format. Explores a broad range of academic and career opportunities in STEM. Emphasizes professional and personal skills for success in STEM. Same as ANTH 295, BIO 295, MATH 295, PSCI 295.
Transfer: CSU; UC

**ENGR 725  AUTOCAD** 0

2.00 hours per week: (0.50 lecture hours/1.50 lab hours)
Noncredit
Non-credit Course

Advisories: CIS 210 or basic knowledge of a Windows operating environment. Introduces AutoCAD. Topics include all basic drawing commands, layers, dimensioning, and editing objects. Intended for those students wanting to learn the software and not necessarily how to draw. Ideal for professional engineers and architects or students in architecture or interior design.
Repeatable.

**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: Appropriate placement
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.

**ENGL 101  SUPPORT FOR ENGLISH COMPOSITION** 1.00

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
P/NP Only
Corequisites: ENGL 201A
Supports and develops the skills necessary to be successful in English 201A. Students will enhance their reading and writing skills through the practice of active reading, critical thinking, drafting, revising, and editing argumentative essays.

**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: Appropriate Placement 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.

**ENGL 180  INTRODUCTION TO ENGLISH COMPOSITION** 4.00

4.00 hours per week: (4.00 lecture hours/0.00 lab hours)
Credit - Not Degree Applicable
Letter Grade Only
Prerequisites: Appropriate Placement
Provides an accelerated alternative to the English 099 and English 156 sequence that focuses on development of reading, writing, and critical thinking skills necessary in college-level composition, with individual attention to paragraph and essay structure, sentence structure, grammar, and punctuation.

**ENGL 193  ENGLISH SPECIAL TOPICS** 0.50 to 4.00

Credit - Not Degree Applicable
P/NP Only
Corequisites: ENGL 201A
Examines a special topic in the field of study related to the discipline offering this course.

**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: Appropriate Placement or ENGL 180 or equivalent
Provides instruction in and study of expository and argumentative writing, appropriate and effective use of language, close reading, cogent thinking, research strategies, information literacy, and documentation.
Transfer: CSU; UC
C-ID ENGL 100
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 or higher
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 and C-ID ENGL 120

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

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

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

ENGL 212A SURVEY OF AMERICAN LITERATURE I 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 era. Introduces the study of major American writers against their historical backgrounds. Writers such as Winthrop, Bradstreet, Rowlandson, Franklin, Jefferson, Douglass, Stanton, Fern, Melville, Hawthorne, Wheatley, Emerson, Whitman, and Dickinson are studied.
Transfer: CSU; UC
C-ID ENGL 130

ENGL 212B SURVEY OF AMERICAN LITERATURE II 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 post-Civil War era to the present. Introduces the study of American authors in the context of their historical backgrounds.
Transfer: CSU; UC
C-ID ENGL 135

ENGL 213 ETHNIC LITERATURE OF THE UNITED STATES 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 the study of American literature by Black, Indigenous, Latinx, and Asian-American authors, including the application of literary theory and the analysis of core concepts such as racialization, equity, ethno-centrism, intersectionality, and oppression. Examines and emphasizes the shared and developing traditions of writers of color, focusing on themes of resistance, agency, and self-affirmation.
Same as ETHN 213.
Transfer: CSU; UC

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 of character and structured scene and requires preparation of critical papers based on analytical reading and investigation.
Transfer: CSU; UC

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

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 Anzaldúa.
Transfer: CSU; UC

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
Enlightens 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.

**ENGL 237 INTRODUCTION TO FILM STUDIES** 3.00
2.00 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.

**ENGL 242 INTRODUCTION TO SCIENCE FICTION** 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 literary genre known as science fiction, which can be defined as a speculative, science-based genre of literature, but which can also include elements of fantasy and horror. The course will examine the canonical traditions of the genre as well as the socio-political contexts from which popular science-fiction stories derive. Students will study the history of science fiction as well as prevailing trends in contemporary SF.

**ENGL 245A SURVEY OF WORLD LITERATURE 1** 3.00
(Formerly ENGL 244A)
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, Ulysses, Allegory of the Cave, the Meditations, the Inferno, the Canterbury Tales, and Don Quixote.

**ENGL 245B SURVEY OF WORLD LITERATURE 2** 3.00
(Formerly ENGL 244B)
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.

**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.

**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.

**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 instructor.

**ENGLISH AS A SECOND LANGUAGE**

**ESL 025 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
Letter Grade or P/NP
Develops English proficiency in listening comprehension and speaking skills for non-native speakers of English, and strengthens student ability to communicate in social, academic, and occupational settings at the intermediate level.

**ESL 035 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
Letter Grade or P/NP
Develops English proficiency in listening comprehension and speaking skills for speakers of other languages, and strengthens student ability to confidently and competently communicate in social and professional settings at the advanced level.

**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.
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
Increases intermediate students’ knowledge and usage of present, past, and future verb tenses, sentence structures, and grammatical competency in reading, writing and speaking. Prepares students for ESL 044.

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
Increases understanding and usage of grammatical forms in reading, writing, and oral/aural contexts. Continues building the foundation of English grammar to enable non-native English speakers to function at the high-intermediate level.

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.

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.

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 095A 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.

ESL 701  INTRODUCTION TO LITERACY  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.

ESL 702  LITERACY  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 beginning literacy level. Builds basic reading, writing, listening and speaking skills.
Repeatable.

ESL 703  BEGINNING-LOW INTEGRATED SKILLS  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 reading, writing, listening and speaking skills at the low-beginning level.
Repeatable.

ESL 704  BEGINNING-HIGH INTEGRATED SKILLS  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 703 or ESL Placement test
Develops reading, writing, listening and speaking skills at the beginning-high level.
Repeatable.

ESL 705  INTERMEDIATE INTEGRATED SKILLS  0
4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
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.

ESL 706  LOW-ADVANCED INTEGRATED SKILLS  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 low-advanced level.
Repeatable.

ESL 707A  U. S. CITIZENSHIP, LEVEL 1  0
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: ESL 702 or Placement into ESL 703 or higher
Introduces the U.S. Citizenship and Immigration Services application process. Focuses on building beginning level speaking and listening skills through study of U.S. history, government, and constitution.
Repeatable 99.

ESL 707B  U. S. CITIZENSHIP, LEVEL 2  0
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: ESL 704 or Placement to ESL 705 or higher
Prepares students for the U.S. Citizenship written and oral test. Focuses on building intermediate to advanced level speaking, listening, reading, and writing skills in the content areas of U.S. history, government, and constitution.
Repeatable 99.
ESL 713  BEGINNING INTEGRATED SKILLS  0
4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: ESL Placement Test
Develops reading, writing, listening and speaking skills at the beginning level.
Repeatable.

ESL 714  LOW INTERMEDIATE INTEGRATED SKILLS  0
4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: ESL 704 with a minimum grade of P or better or ESL Placement Test
Develops reading, writing, listening and speaking skills at the low-intermediate level.
Repeatable.

ESL 715  HIGH INTERMEDIATE INTEGRATED SKILLS  0
4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: ESL 705 with a minimum grade of P or better ESL Placement Test
Develops reading, writing, listening, and speaking at the high-intermediate level.
Repeatable.

ESL 716  ADVANCED INTEGRATED SKILLS  0
(Formerly ESL799)
4.00 - 6.00 hours per week: (4.00 - 6.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Develops English reading, writing, listening, and speaking skills at the advanced level.
Repeatable.

ESL 720  ESL BASIC CONVERSATION, LOW BEGINNING  0
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours)
Noncredit
Non-Credit Gradeable Course/SP
Develops basic communication skills including the use of appropriate pronunciation, vocabulary and grammar. Emphasis is on English for daily life. Prepares students for ESL 721. May be taken concurrently with ESL 701 or ESL 702.
Repeatable.

ESL 721  ESL BASIC CONVERSATION, BEGINNING  0
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours)
Noncredit
Non-Credit Gradeable Course/SP
Develops listening and speaking skills and includes instruction in pronunciation, vocabulary, and grammar. Enables the beginning-level student to function in common English-speaking situations. May be taken concurrently with ESL 701 or ESL 702.
Repeatable.

ESL 725  ESL CONVERSATION, INTERMEDIATE  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.

ESL 735  ESL CONVERSATION, HIGH INTERMEDIATE  0
(Formerly ESL035A)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
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.

ESL 743  ACADEMIC GRAMMAR, INTERMEDIATE  0
(Formerly ESL043)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-credit Course
Advisories: ESL 704 or qualifying score on the ESL placement test
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.
Repeatable.

ESL 744  ACADEMIC GRAMMAR, HIGH-INTERMEDIATE  0
(Formerly ESL044)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-credit Course
Advisories: ESL 743 or qualifying score on the ESL placement test
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.
Repeatable.

ENV 200  INTRODUCTION TO ENVIRONMENTAL 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 201A
Presents an introduction to the scientific principles, concepts, and methods necessary for examining humanity's impact upon the geological, biological, and physical systems present in the Earth's natural environment. The role of science in identifying and finding sustainable solutions to environmental changes resulting from natural causes and human activity will be explored.
Transfer: CSU; UC

ETHN 210  ETHNIC STUDIES FOR EDUCATORS  3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Non-Credit Gradeable Course/SP
Noncredit
Repeatable.
Prepares students to utilize the concepts and methods of Ethnic Studies in teaching and pedagogical practice in K-12 education. Discusses the role of intersectionality, identity, and collective struggle in educational institutions, focusing on Native American, African American, Asian American and Latina and Latino American communities. Covers the historical inequalities reproduced within education and schools, the knowledge produced by these communi-
ties and the strategies used for resistance and liberation.
Same as EDUC 210.
Transfer: CSU; UC

ETHN 211 CRITICAL WHITENESS STUDIES 3.00
3.00 hours per week: (3.00 lecture hours/lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Introduces key concepts for analyzing white racial identity and white supremacy, including power, privilege, oppression, discrimination, structural inequity, and institutional racism. Examines how whiteness is produced and maintained through government institutions, businesses, families, and popular culture in the United States and around the world. Provides opportunities for reflection and teaches skills for productive dialogue and action.
Transfer: CSU

ETHN 213 ETHNIC LITERATURE OF THE UNITED STATES 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: ENGL 210A
Introduces the study of American literature by Black, Indigenous, Latinx, and Asian-American authors, including the application of literary theory and the analysis of core concepts such as racialization, equity, ethno-centrism, intersectionality, and oppression. Examines and emphasizes the shared and developing traditions of writers of color, focusing on themes of resistance, agency, and self-affirmation.
Same as ENGL 213.
Transfer: CSU; UC

ETHN 219 INTRODUCTION TO QUEER STUDIES 3.00
(Formerly HDHS219)
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Examines a broad range of contemporary gay, lesbian, bisexual, transgender, intersex, and pansexual issues and experiences in various contexts, including bio-medical, psycho-social development; socio-political, and race/ethnicity.
Transfer: CSU; UC
C-ID SJS 130

ETHN 220 INTRODUCTION TO SOCIAL JUSTICE AND ETHNIC STUDIES 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Explores the evolution, impact, and future of Ethnic Studies through the history of the social justice and racial equality movements in the U.S. during the 1960s and 1970s. Shows how Ethnic Studies emerged as an academic discipline to provide a relevant education in contrast to ethno-centrism, eurocentrism, and white supremacy. Practices applied methodologies in Social Justice and Ethnic Studies, providing depth of insight into struggles and mobilization strategies for equity, self-determination, liberation, decolonization, and anti-racism.
Transfer: CSU; UC
C-ID SJS 110

ETHN 231 DECOLONIZATION AND RACIAL JUSTICE MOVEMENTS 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: ETHN 230
Examines movements for decolonization and racial justice in the United States and around the world among Native American and Indigenous peoples, as well as Black / African American, Asian American and Chicano/Latino communities. Analyzes the socio-historical and cultural factors that lead to intersectional and decolonial struggles for racial, gender, economic, educational, and environmental justice using theories and methods of Ethnic Studies. Covers the history of racial justice movements, civil rights, struggles for Indigenous sovereignty, and contemporary mobilization at the local, state, national, and global levels. Pays special attention to movements that are currently working to eradicate racism, colonization, cis-heterosexism, and xenophobia.
Transfer: CSU

ETHN 234 WOMEN OF COLOR 3.00
3.00 hours per week: (3.00 lecture hours/lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Examines the racialized experiences of women in the United States, centering the expertise of Black, Latinx/a, Asian American, Native American, Indigenous, and Pacific Islander women through Native American and Indigenous, Black, Asian American and Pacific Islander, and Chicano/Latino feminist perspectives. Analyzes the dynamics of intersectionality, racism, settler-colonialism, capitalism, patriarchy, and other forms of systemic oppression. Engages with interdisciplinary perspectives and sources to demonstrate the unique contributions of Native American and Indigenous, Black, Asian American and Pacific Islander, and Chicano/Latino women throughout history and in the present. Equips students with knowledge and skills to engage with current social issues affecting Native American and Indigenous, Black, Asian American and Pacific Islander, and Chicano/Latino women in the United States.
Transfer: CSU

ETHN 235 RACE, ETHNICITY, AND POP CULTURE 3.00
3.00 hours per week: (3.00 lecture hours/lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: ETHN 230
Examines the contributions of Native Americans and Indigenous peoples, Black / African American communities, Chicano and Latinx communities, and Asian Americans and Pacific Islanders in media and popular culture. Covers the cultural, economic, social, and political forces that shape intersectional representations in media. Analyzes representations of race, ethnicity, Indigeneity, immigration, gender, and sexuality in film, television, music, art, and news media by utilizing Ethnic Studies theoretical frameworks and methods including queer of color critique, womxn of color feminisms, cultural studies, and new media studies. Interprets popular culture and independent productions to understand how media representations reproduce structural violence through controlling images and inspire audiences to imagine worlds beyond struggle.
Transfer: CSU; UC

ETHN 236 INTRODUCTION TO NATIVE AMERICAN AND INDIGENOUS STUDIES 3.00
3.00 hours per week: (3.00 lecture hours/lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Introduces the interdisciplinary field of Native American and Indigenous Studies. Explores the social, political, and cultural aspects of various Indigenous peoples in the Americas and around the world, focusing on contemporary and historical issues. Critically analyzes topics including Native and Indigenous philosophy and religious traditions, settler-colonialism, intersectionality, gender, class, immigration status, urbanization, intertribal relations, sovereignty, cultural productions, and environmental justice. Connects students to contemporary topics of social activism.
Transfer: CSU

ETHN 250 INTRODUCTION TO BLACK STUDIES 3.00
3.00 hours per week: (3.00 lecture hours/lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Surveys the Black Studies discipline, including its social, political, and academic origins, as well as the current goals and development of the field. Provides students with conceptual and methodological tools from interdisciplinary perspectives to analyze the experiences of Black communities in the United States and around the world. Examines key contributions of Black individuals to culture, politics, science, and technology using conceptual frameworks of Black joy and Black futurities. Critically analyzes the intersectional dynamics within Black communities, including diversity by national background, immigration status, gender, sexuality, social class, age, religion, and ability. Emphasizes engagement with current issues and social movements, such as criminal justice and policing, healthcare, education, voting rights, and reproductive justice.

**Transfer:** CSU

**ETHN 260 INTRODUCTION TO CHICANX AND PACIFIC ISLANDER STUDIES** 3.00

- **3.00 hours per week: (3.00 lecture hours/1.50 lab hours)**
- **Credit - Degree Applicable**
- **Letter Grade or P/NP**

Provides students with an overview of the interdisciplinary fields of Chicantz and Latinx Studies. Critically analyzes the social, political, cultural, and institutional forces that impact the history of Chicanz and Latinx communities with a particular focus on intersecting factors of gender, class, Indigeneity, immigration status, and sexuality. Evaluates the contributions made by Chicanz and Latinx social movements advocating for racial justice and self-determination.

**Transfer:** CSU

**ETHN 270 INTRODUCTION TO ASIAN AMERICAN AND PACIFIC ISLANDER STUDIES** 3.00

- **3.00 hours per week: (3.00 lecture hours/1.50 lab hours)**
- **Credit - Degree Applicable**
- **Letter Grade or P/NP**

Provides an interdisciplinary review of the experiences, perspectives, and leadership of Asian Americans and Pacific Islanders (AAPI). Critically analyzes social, cultural, political, and historical factors influencing AAPI communities, with a focus on intersecting identities such as gender, sexuality, social class, ability, and age. Discusses the cultural, political, and historical backgrounds of diverse AAPI groups, including disparities by ethnicity, national origin, immigration status, and Indigeneity. Explores contemporary issues and social movement advocacy in AAPI communities, such as cultural identity, healthcare, language access, assimilation, family and gender norms, discrimination, generational conflict, education, and political leadership.

**Transfer:** CSU

**FILM TELEVISION AND ELECTRONIC MEDIA**

**FTVE 101 SURVEY OF MOTION PICTURE AND TELEVISION PRODUCTION** 1.00

- **(Formerly WEXP193)**
- **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.

**Transfer:** CSU

**FTVE 193 FILM, TELEVISION AND ELECTRONIC MEDIA SPECIAL TOPIC** 0.50 to 4.00

- **(Formerly BCST193)**
- **Credit - Degree Applicable**
- **Letter Grade or P/NP**

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

**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.

**Transfer:** CSU

**C-ID: FTVE 100**

**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**

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

**FTVE 222 INTRODUCTION TO MOTION PICTURE AND TV PRODUCTION** 3.00

- **(Formerly BCST222)**
- **3.00 hours per week: (3.00 lecture hours/0.00 lab hours)**
- **Credit - Degree Applicable**
- **Letter Grade Only**

Presents the theory, techniques and demonstration of motion picture and television production. Offers beginning students a comprehensive overview of film, digital cinema, and multi-camera television production including technical fundamentals and basic program production including the operation of cameras, lighting, switches, digital editing, and audio.

**Transfer:** CSU

**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

**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
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

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

FTVE 227 PRINCIPLES OF BROADCAST PERFORMANCE FOR RADIO AND PODCASTING 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 including podcasting, radio news announcing, commercial announcing, ad-lib techniques, voice tracking and career exploration will be covered in-depth. Develops announcing skills needed to professionally perform in radio broadcasting as a career.
Transfer: CSU

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

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 opportunities for students in Film Television and Electronic Media to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

FRENCH

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.

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.

FR 193 FRENCH SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

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
Provides 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

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
GEOG 201 PHYSICAL GEOGRAPHY 3.00
3.00 hours per week: (3.00 lecture hours)
Credit - Degree Applicable
Letter Grade or P/NP
Studies the spatial distribution of the Earth's physical systems and the interrelationships among environmental and human systems. Includes Earth-sun geometry, climate, water, soils, landforms, vegetation, and patterns of ecosystem distribution. Presents the scientific methods and tools of geographic research including maps, remote sensing, geographic Information Systems (GIS), and Global Positioning Systems (GPS).
Transfer: CSU; UC
C-ID GEOG 110

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
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

GEOG 225 WORLD REGIONAL GEOGRAPHY 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 world's culture regions and nations as interpreted by geographers, including physical, cultural, and economic features. Emphasizes spatial and historical influences on population growth, transportation networks, and natural environments. Identifies the significant features of regions.
Transfer: CSU; UC
C-ID GEOG 125

GEOG 230 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 Systems (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.
Same as GEOG 230.
Transfer: CSU; UC
C-ID GEOG 155

GEOL 193 GEOLOGY SPECIAL TOPIC 0.50 to 4.00
0.50 to 4.00 hours per week: (0.50 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.

GEOL 193C GEOLOGIC FIELD TECHNIQUES 1.00
0.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Investigate methods of field geologic mapping and data acquisition.

GEOL 193D FIELD STUDIES IN GLOBAL WARMING 1.00
0.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Explores the principles of global warming as it relates toenvironmental changes. Data will be gathered on decreases in glacier size, increases in desert size, and changes in the health of coral reefs.

GEOL 201 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
Introduces the fundamental principles of geology. Addresses the leading evidence explaining the origin of the Earth, its internal structure, and the internal and surface processes that change and shape it. Characterizes various Earth materials, their physical and chemical properties, and their associated formation processes. Includes a laboratory component to develop skills in identifying Earth materials, reading and interpreting maps (including topographic and geologic maps), classifying geologic structures (faults and folds), assessing earthquake and/or volcanic data, and characterizing how water and/or wind processes shape Earth's surface. Field trips to local areas of geologic interest may be required.

GEOL 210 HISTORY OF THE EARTH 4.00
6.00 hours per week: (3.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: GEOL 210 or GEOL 220 and Elementary algebra or eligibility for college-level math using the current college process.
Journeys through the dynamic 4.6 billion-year history of Earth from Earth's formation, to the formation of the atmosphere, through simple and complex life, the paleogeography of continents and oceans, orogenies, and global climate change as supported by evidence in the geologic record (rocks, rock deformation, rock features, and fossils). Includes a laboratory component with an emphasis on developing an understanding and application of rock and mineral formation and identification, fossils and modes of fossilization, the process of geologic dating with a focus on stratigraphic principles, and the generation and interpretation of a variety of geologic maps. Field trips to local areas of geologic interest may be required.
Transfer: CSU; UC
C-ID GEOL 101

GEOL 211 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 201A
Geology and the generation and interpretation of a variety of geologic maps, classifying geologic structures (faults and folds), assessing earthquake and/or volcanic data, and characterizing how water and/or wind processes shape Earth's surface. Field trips to local areas of geologic interest may be required.
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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<th>Course Code</th>
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<td>GEOL 220</td>
<td>GEOLOGY OF CALIFORNIA</td>
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<td>3.00 hours per week: (3.00 lecture hours/0.00 lab hours)</td>
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<td>Introduces the principles of geology and the tectonic/geologic evolution of California. Emphasizes the processes responsible for shaping the environment including seismology, the fossil record, and the mineral/energy resources of the state.</td>
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<tr>
<td>GEOL 229A</td>
<td>GEOSCIENCE FIELD STUDIES IN YOSEMITE AND EASTERN SIERRA</td>
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<td>2.72 hours per week: (0.50 lecture hours/2.22 lab hours)</td>
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<td>Advisories: ENVS 200 or GEOL 210 or GEOL 211 or GEOL 212 or GEOL 220 or OCEN 210 or PSCI 211</td>
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<td></td>
<td>Presents an on-site field study of Yosemite, the Sierra Nevada, Mono Basin, Long Valley Caldera, and Owens Valley area.</td>
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<td>GEOL 229B</td>
<td>GEOSCIENCE FIELD STUDIES IN DEATH VALLEY</td>
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<td>2.72 hours per week: (0.50 lecture hours/2.22 lab hours)</td>
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<td>Presents an on-site field study of the Transverse Ranges, central San Andreas fault, Mojave desert, and the Death Valley area.</td>
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<td>GEOL 229C</td>
<td>GEOSCIENCE FIELD STUDIES ON COASTS AND COASTAL PROCESSES</td>
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<td>2.72 hours per week: (0.50 lecture hours/2.22 lab hours)</td>
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<td>Advisories: ENVS 200 or GEOL 210 or GEOL 211 or GEOL 212 or GEOL 220 or OCEN 210 or PSCI 211</td>
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<td>Provides an on-site field study of coastal features and/or coastal processes. Topics vary on a per-semester basis. Contact the instructor for topic and location specifics.</td>
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<td>GEOL 229D</td>
<td>GEOSCIENCE FIELD STUDIES</td>
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<td>2.72 hours per week: (0.50 lecture hours/2.22 lab hours)</td>
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<td>Advisories: ENVS 200 or GEOL 210 or GEOL 211 or GEOL 212 or GEOL 220 or OCEN 210 or PSCI 211</td>
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<td>Provides an on-site field study of geological features and/or geological processes. Topics vary on a per-semester basis. Contact the instructor for topic and location specifics.</td>
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<td>GEOL 230</td>
<td>INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS</td>
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<td>5.00 hours per week: (2.00 lecture hours/3.00 lab hours)</td>
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<td>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.</td>
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<td>GEOL 231</td>
<td>ADVANCED GEOGRAPHIC INFORMATION SYSTEMS</td>
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<td>Prerequisites: GEOL 230 or concurrent enrollment or GEOG 230 or concurrent enrollment</td>
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<td>Introduces students to problem-solving and decision making using spatial analysis techniques, applicable to a range of disciplines. Directed at developing more advanced analysis tools in GIS software including but not limited to network analysis, geodatabases, and overlay analysis. Reinforces replication of methods and results through graphical scripting tools. Culminates in independent research project to apply skills and build a map portfolio.</td>
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<td>Transfer: CSU</td>
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<th>Course Code</th>
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<tr>
<td>GEOL 232</td>
<td>WEB APPLICATIONS IN GEOGRAPHIC INFORMATION SYSTEMS</td>
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<td>5.00 hours per week: (2.00 lecture hours/3.00 lab hours)</td>
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<td>Credit - Degree Applicable</td>
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<td>Prerequisites: GEOL 230 (Formerly GEOL 225) or GEOG 230</td>
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<td>Introduces the design and development, publishing, and maintenance of basic geospatial web services and applications. Includes an introduction to browser and mobile enabled interactive applications.</td>
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<tr>
<td>GEOL 233</td>
<td>DATA ACQUISITION AND MANAGEMENT IN GEOGRAPHIC INFORMATION SYSTEMS</td>
<td>3.00</td>
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<td>5.00 hours per week: (2.00 lecture hours/3.00 lab hours)</td>
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<td>Prerequisites: GEOL 230 or GEOG 230</td>
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<td>Introduces the fundamental concepts of data creation, database creation, and data management in geospatial analysis. Discusses quantitative techniques for the collection, classification, integration, and management of geospatial data.</td>
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<td>GEOL 234</td>
<td>INTRODUCTION TO REMOTE SENSING</td>
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<td>5.00 hours per week: (2.00 lecture hours/3.00 lab hours)</td>
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<td>Credit - Degree Applicable</td>
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<td>Letter Grade or P/NP</td>
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<td>Prerequisites: GEOL 230 (Formerly GEOL 225) or GEOG 230</td>
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<td>Introduces remote sensing of the Earth. Topics include the physical principles on which remote sensing is based, history and future trends, sensors and their characteristics, image data sources, and image classification, interpretation and analysis techniques.</td>
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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
Prerequisites: GER 110 or equivalent
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.

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.

GER 193  GERMAN SPECIAL TOPIC  0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

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
Introduces standard, contemporary German in a topics-based framework; emphasizes listening comprehension, culture-centered readings and responses, and oral communication.
Transfer: CSU; UC

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
Continues introduction to standard, contemporary German in a topics-based framework; emphasizes listening comprehension, culture-centered readings and responses, and oral communication.
Transfer: CSU; UC

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

GLOBAL STUDIES

GLST 210  INTRODUCTION TO GLOBAL STUDIES  3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: Instructor approval
Presents an introduction to the interdisciplinary field of Global Studies and the major influences on the world and its people. Explores the history and contemporary processes of globalization, and the economic, political, social, cultural, geographical, and ecological factors that affect the world community. Examines interdependence and conflict in various global systems.
Transfer: CSU; UC

GLST 220  GLOBAL PROBLEMS AND ISSUES  3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Presents an introduction to the origins, current status, and future trends of major transnational issues confronting the global community, with emphasis on the causes and solutions of global problems. Topics include population trends, immigration, economic development and inequality, basic human needs, human rights, interna-
HEALTH EDUCATION

HEED 193 HEALTH EDUCATION SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade Only
Examines a special topic in the field of study related to the discipline offering this course.

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
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
C-ID PHS 100

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
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
C-ID PHS 101

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
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

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
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
C-ID PHS 103

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
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

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
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; UC
C-ID PHS 101

HEED 252 WORK EXPERIENCE IN PUBLIC HEALTH SCIENCE 0.50 to 4.00
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Provides opportunities for students in Public Health Science to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

HISTORY

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 or P/NP
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
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  
Surveys 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

HIST 210  HISTORY 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  
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

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  
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.-Mexico War, history of Mexican immigration, U.S.-Mexico relations, and the struggle for citizenship and civil rights.  
Transfer: CSU; UC

HIST 213  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  
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

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  
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

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

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

### HOSP 200  INTRODUCTION TO HOSPITALITY
3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Provides a detailed overview of structure and financial performances of the hospitality and tourism industry. Topics include career paths, lodging and lodging operations, restaurants and restaurant operations, cruising, managed services, beverages, clubs, theme parks and attractions, gaming entertainment, meeting planning and special events. Topics incorporate sustainability, ethics, trends, leadership and customer service, cultural/economic trends and career opportunities.

Transfer: CSU
C-ID HOSP 100

### HOSP 225  HOSPITALITY LAW
3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Advisories: HOSP 200
Examines federal, state, and local laws applicable to the operation of food and lodging enterprises are discussed, as well as practical approaches to spotting and solving legal issues. The innkeeper/guest relationship will be explored from a legal standpoint. Emphasis will be on recognizing potential legal concerns and implementing preventative measures.

Transfer: CSU
C-ID HOSP 150

### HOSP 230  INTRODUCTION TO FOOD AND BEVERAGE MANAGEMENT
3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Explores and develops techniques and procedures of management as they relate to commercial and institutional food and beverage facilities. Topics include: functions of management, marketing, menu development, effective cost controls in purchasing, labor and service techniques.

Transfer: CSU
C-ID HOSP 130

### HOSP 250  INTRODUCTION TO HOTEL MANAGEMENT
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 operating system and components of a hotel-rental facility, which includes: front office, housekeeping, food and beverage, sales and marketing, accounting, property maintenance, human resource management and information systems.

Transfer: CSU
C-ID HOSP 140

### HOSP 252  WORK EXPERIENCE IN HOSPITALITY
0.50 to 4.00
0 hours per week
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Hospitality to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.

Transfer: CSU

### HOSP 255  CATERING PRINCIPLES
3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: CUL 215 or CUL 213
Examines the catering industry with special attention given to catering from a customer’s perspective. Students completing this course should be able to plan and implement a variety of catering functions. Experiential learning opportunities will be included in this course.

Transfer: CSU

### HOSP 270  HOSPITALITY COST CONTROL
3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Noncredit
Non-credit Course
Provides a detailed overview of structure and financial performances of the hospitality and tourism industry. Topics include career paths, lodging and lodging operations, restaurants and restaurant operations, cruising, managed services, beverages, clubs, theme parks and attractions, gaming entertainment, meeting planning and special events. Topics incorporate sustainability, ethics, trends, leadership and customer service, cultural/economic trends and career opportunities.

Repeatable.

### HOSP 700  INTRODUCTION TO HOSPITALITY
0
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Noncredit
Non-credit Course
Provides a detailed overview of structure and financial performances of the hospitality and tourism industry. Topics include career paths, lodging and lodging operations, restaurants and restaurant operations, cruising, managed services, beverages, clubs, theme parks and attractions, gaming entertainment, meeting planning and special events. Topics incorporate sustainability, ethics, trends, leadership and customer service, cultural/economic trends and career opportunities.

Repeatable.

### HOSP 725  HOSPITALITY LAW
0
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Noncredit
Non-credit Course
Advisories: HOSP 700
Examines federal, state, and local laws applicable to the operation of food and lodging enterprises are discussed, as well as practical approaches to spotting and solving legal issues. The innkeeper/guest relationship will be explored from a legal standpoint. Emphasis will be on recognizing potential legal concerns and implementing preventative measures.

Repeatable.

### HOSP 730  INTRODUCTION TO FOOD AND BEVERAGE MANAGEMENT
0
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Noncredit
Non-credit Course
Explores and develops techniques and procedures of management as they relate to commercial and institutional food and beverage facilities. Topics include: functions of management, marketing,
menu development, effective cost controls in purchasing, labor and service techniques.
Repeatable.

**HOSP 750  INTRODUCTION TO HOTEL MANAGEMENT**  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
Noncredit
Non-credit Course
Introduces the operating system and components of a hotel-re-sort facility, which includes: front office, housekeeping, food and beverage, sales and marketing, accounting, property maintenance, human resource management and information systems.
Repeatable.

**HOSP 770  HOSPITALITY COST CONTROL**  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
Noncredit
Non-credit Course
Analyzes food, beverage, labor and other costs within a hospitality operation. Emphasizes problem solving, applying control techniques to maximize profits while managing expenses. Topics include: establishing standards, cost-value-profit analysis, forecasting, purchasing and storage controls, menu costing and pricing, theft prevention and labor cost controls.
Repeatable.

**JOURNALISM AND DIGITAL COMMUNICATION**

**JOUR 193  JOURNALISM SPECIAL TOPIC**  
0.50 to 4.00  
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

**JOUR 200  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
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

**JOUR 201  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
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

**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
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

**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
Prerequisites: JOUR 201 or concurrent enrollment
Introduces hands-on news production for 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

**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

**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 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 production business at an advanced skill level and leadership involvement, which goes beyond JOUR 202A and JOUR 202B.
Transfer: CSU

**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: previous photography and/or videography experience highly recommended. Should have own equipment or ART 249A or FTVE 223
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

**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: ART 255 or ART 258
JOUR 203C INTERMEDIATE NEWS PRODUCTION FOR VISUAL ARTISTS 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 203A or JOUR 203B
Involves students in editorial positions for the visual arts sections of The Cuestonian and Cuestonian.com. Students use state-of-the-art technology to continue the study of all aspects of the print and online news production business as it relates to visual arts at a higher skill level and leadership involvement than JOUR 203A-B.
Transfer: CSU

JOUR 203D ADVANCED NEWS PRODUCTION FOR VISUAL ARTISTS 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 203C
Involves students in major hands-on editorial positions and leadership for the visual arts sections of The Cuestonian and Cuestonian.com. Students use state-of-the-art technology to continue the study of all aspects of the print and online news business as it relates to visual arts at an advanced skill level and leadership involvement which goes beyond J203C.
Transfer: CSU

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 201
Introduces literary techniques and storytelling structures that can be applied to journalistic writing and other communications. Students will research, report and write nonfiction articles, take basic photographs and shoot brief video for potential publication on Cuestonian.com, the college's student news site and on professional local news sites. Students will participate in regular peer review sessions in a workshop style that will include intensive individualized instruction and continual feedback.
Transfer: CSU

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 201
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

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 201
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

JOUR 207 INTERMEDIATE REPORTING AND NEWSWRITING 3.00
3.00 hours per week: (3.00 lecture hours)
Credit - Degree Applicable
Letter Grade or P/NP
Prerequisites: JOUR 201 with a minimum grade of C or better
Introduces students to coverage of public affairs beats, including local or regional government, police, courts and education. It includes both on- and off-campus reporting; deadline, enterprise and long-form writing; and presenting news through multiple platforms, including text, photographs, video and audio. Potential for publication on Cuestonian.com, the college’s student news site, and on professional local news sites. Emphasizes professional behavior, ethical principles and legal issues.
Transfer: CSU
C-ID JOUR 210

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 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 journalism under the direction of an instructor.
Transfer: CSU

JOUR 252 WORK EXPERIENCE IN JOURNALISM 0.50 to 4.00
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: ENGL 201A and JOUR 201
Provides opportunities for students in Journalism to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student’s educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

KINESIOLOGY ACTIVITIES

KINA 193 KINESIOLOGY ACTIVITIES SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
(Formerly PEAC270)
Provides opportunities for students in Kinesiology to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student’s educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.

KINA 201 WEIGHT TRAINING 0.50 to 1.00
Credit - Degree Applicable
(Formerly PEAC270)
Provides opportunities for students in Kinesiology to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student’s educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
CINA 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)

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 who 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)

KINA 204  POWER LIFTING  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 to offer students a chance to power train. Students 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)

KINA 205  RESISTANCE 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
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)

KINA 206  TRX FULL BODY FITNESS  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 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)

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, hurdles 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)

KINA 208  TRACK AND FIELD TECHNIQUES  0.50 to 1.00
(Formerly PEAC279)
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
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)

KINA 209  INTRODUCTION TO ULTIMATE FRISBEE  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 Only
Provides the basic concepts and skills associated with the sport of Ultimate Frisbee including game rules, game and tournament play, techniques and strategies, equipment, and sportsmanship.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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)

KINA 212  CARDIO STEP TRAINING  0.50 to 1.00
(Formerly PEAC264)
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 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)

KINA 213  ZUMBA  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 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)
KINA 214  CORE FITNESS WITH CARDIO  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
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)

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)

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)

KINA 223  PILATES BARRE  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 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)

KINA 224  CORE PILATES  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
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)

KINA 225  BALLET FOR STRENGTH AND FLEXIBILITY  0.50 to 1.00
1.50 - 3.00 hours per week: (0.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Employs 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)

KINA 226  BODY FUSION  1.00
3.00 hours per week: (0.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Incorporates various body movement methods to present a complete fitness program for mind and body conditioning. Presents a blending of yoga, Pilates, fitness, and Barre while challenging mind and body. Principles of proper alignment, strength, endurance, flexibility, balance, and coordination are implemented.  
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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, muscular endurance, muscular strength and flexibility in a cycling format. Students will use a combination of cardio-respiratory training and strength work using stationary bikes to enhance overall fitness and health levels.  
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

KINA 228  INDOOR CYCLING FOR CROSS 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
Presents cardio-respiratory, fitness, muscular endurance, muscular strength, and flexibility in a cycling format. Students will perform cycling as a key component of an overall fitness program.  
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

KINA 229  TRX FOR HIGH INTENSITY INTERVAL 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
Provides training in cardiorespiratory concepts, high intensity interval training, and functional fitness movement utilizing TRX Suspension System techniques, and a variety of fitness equipment, in a group fitness setting.  
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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 train-
ing. Students will learn proper techniques and exercise progression in a predominantly outdoor environment.

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)

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)

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)

KINA 235  HIKING THE SAN LUIS OBISPO COUNTY TRAILS  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 Only
Introduces fundamental skills necessary for trail hiking including appropriate hiking gear, safety/risks, and trail etiquette. Emphasis will be placed on improving cardiovascular endurance, strength, and flexibility. Students will hike the many trails of San Luis Obispo County gaining information related to the history of specific trail locations, navigation of trail maps, and environmental awareness.
Effectively prepares students to participate in KINA 236 Backpacking.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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)

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)

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)

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)

KINA 244  RESTORATIVE YOGA  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 Only
Introduces a light flow of basic yoga poses (asanas), mindful meditation, and proper breathing (pranayama) techniques. The course will also improve flexibility and skeletal alignment to promote overall physical wellness. Students will have the opportunity to explore the body-mind experience through calming techniques and recognizing senses which may improve attention.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

KINA 246  YOGA FOR FITNESS  0.50 to 1.00
(Formerly PEAC282)
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 an intense power flow of yoga poses (asanas) to build strength, cardio-respiratory fitness, flexibility, and endurance. The course will incorporate weights, resistance bands, and various equipment for strength and power movements to improve skeletal alignment and promote overall physical health. Methods of proper breathing (pranayama) will also be incorporated into the course.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)
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)

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

KINA 251 HALF/MARATHON 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
Presents the key ingredients of successful half and full marathon training programs and their application to life long fitness. The class will prepare students for distance running; 13.1 - 26.2 miles.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

KINA 252 INTRODUCTION TO OUTDOOR FITNESS 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 hiking/running program including health related fitness, appropriate gear, safety and health considerations, environmental issues, and trail techniques. The course prepares student for establishing and meeting fitness goals using San Luis County parks, trails, and open space.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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)

KINA 260 SOCCER SKILLS AND TACTICS 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
Introduces specific techniques, tactics, and skills inherent to successful development and implementation of offensive and defensive soccer strategies.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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
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)

KINA 266 WRESTLING 0.50 to 1.00
(Formerly PEAC256)
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)

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)

KINA 271 BASKETBALL TECHNIQUES 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
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)

KINA 272 FUNDAMENTALS OF BASKETBALL 0.50 to 1.00
1.50 - 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)

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)

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)

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
Provides theory, practice, and strategy of fastpitch softball.
Transfer: CSU; UC (UC credit limit of 4 semester credits total in KINA and ATHL courses)

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)

KINA 287   BASEBALL TECHNIQUES   0.50 to 1.00
(Formerly PEAC291)
1.50 - 3.00 hours per week: (0.00 lecture hours/3.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Provides 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)

KINA 292   SWIMMING & DIVING APPLICATIONS   0.50 to 1.00
(Formerly PEAC299)
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.
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)

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)

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)

KINA 193   KINESIOLOGY THEORY SPECIAL TOPICS   0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

KINE 201   INTRODUCTION TO KINESIOLOGY   3.00
(Formerly PETH201)
3.00 hours per week: (0.00 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

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)

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; UC (UC credit limit of 8 semester credits total in KINE courses)

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; UC (UC credit limit of 8 semester credits total in KINE courses)

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
KINE 213  INTRODUCTION TO SPORTS MEDICINE  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  
Provides the student with an introduction to sports medicine including education, training, and 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)  

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  
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)  

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  
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)  

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  
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)  

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 fast-pitch softball. Lectures, chalkboard discussion, skill demonstrations, and video studies are included in the course.  
Transfer: CSU; UC  

KINE 218  EXERCISE LEADERSHIP  3.00  
(Formerly PETH218)  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
Credit - Degree Applicable  
Letter Grade Only  
Advisories: KINE 201  
Presents the fundamentals of exercise programming and leadership in various group fitness settings. Prepares students to demonstrate skills in assessment and monitoring of group fitness participants, develop methods of teaching various group exercise classes, including general and special populations, as apply principles of adherence and motivation to group exercisers. Prepares 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)  

KINE 219  COACHING WELLNESS BEHAVIORS  2.00  
4.00 hours per week: (1.00 lecture hours/3.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Offers students, interested in working as Fitness Professionals, the tools to promote behavior change and a foundation for a healthy lifestyle with clients. Trains students to coach clients of all backgrounds ways to discover movement through fitness, improve wellness habits, and make healthier decisions for themselves and their families.  
Transfer: CSU  

KINE 220  PERSONALIZED FITNESS PLANNING FOR LIFETIME WELLNESS  1.00  
(Formerly PETH220)  
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Presents and applies the basic principles of behavior change, goal setting, and exercise to develop personal fitness. Prepares the student to be able to continue to apply and implement the fitness principles and basic behavior change concepts to lifetime fitness.  
Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses)  

KINE 221  MENTAL ASPECTS OF SPORTS AND EXERCISE PERFORMANCE  3.00  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Evaluates scientific approaches to mental aspects of sports and exercise performance and apply practical application of that knowledge. Examines psychological factors that influence sport performance and/or exercise adherence, such as personality, cognitive processes, motivation, social dynamics, and leadership, are present in the course. Contrasts mental skills training methods such as arousal management, imagery, and goal setting is introduced. Analyzes the relationship between sport/exercise participation, and psychological health, wellness, and development is also initiated.  
Transfer: CSU; UC (UC credit limit of 8 semester credits total in KINE courses)  

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
### Legal

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<thead>
<tr>
<th>Course Code</th>
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<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LGL 193</td>
<td>Legal Special Topic</td>
<td>0.50 to 4.00</td>
<td>Examines a special topic in the field of study related to the discipline offering this course.</td>
</tr>
<tr>
<td>LGL 217</td>
<td>Introduction to Law</td>
<td>3.00</td>
<td>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.</td>
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### Leadership

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<tbody>
<tr>
<td>LDER 193</td>
<td>Leadership Special Topic</td>
<td>0 to 0</td>
<td>Examines a special topic in the field of study related to the discipline offering this course.</td>
</tr>
<tr>
<td>LDER 262</td>
<td>Student Leadership</td>
<td>1.00 to 3.00</td>
<td>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.</td>
</tr>
<tr>
<td>LDER 263</td>
<td>Exploring Leadership-making a Difference</td>
<td>3.00</td>
<td>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.</td>
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### Library and Information Technology

<table>
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<tbody>
<tr>
<td>LIBT 193</td>
<td>Library Information Special Topic</td>
<td>0.50 to 4.00</td>
<td>Examines a special topic in the field of study related to the discipline offering this course.</td>
</tr>
<tr>
<td>LIBT 201</td>
<td>Introduction to Library Services</td>
<td>3.00</td>
<td>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.</td>
</tr>
<tr>
<td>LIBT 204</td>
<td>Organizing Information</td>
<td>3.00</td>
<td>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.</td>
</tr>
<tr>
<td>LIBT 205</td>
<td>Library/Information Center Collections</td>
<td>3.00</td>
<td>Provides an overview of how to select, purchase, and organize print, electronic, and other materials to stock library/information center collections.</td>
</tr>
<tr>
<td>LIBT 207</td>
<td>Web Page Development</td>
<td>3.00</td>
<td>Provides an overview of how to select, purchase, and organize print, electronic, and other materials to stock library/information center collections.</td>
</tr>
</tbody>
</table>
Introduces HTML and the steps necessary for the effective design and development of a web site. Covers all elements of web page design, including such topics as content, navigation and aesthetics. Provides students with the opportunity to demonstrate mastery of the subject by working on a collaborative web site project. Designed for students who are new to web page development.

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.

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.

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.

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.

LIBT 213 ADVANCED ONLINE 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
Explores the current information ecosystem in which we're researching, living, and working. Teaches students to become critical consumers of information by introducing techniques and concepts for searching online, including strategies, database content, search options, evaluation standards, and understanding the current information environment.

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 213, LIBT 215, or LIBT 217 and consent of the instructor.
Provides structured on-the-job experience in an appropriate library/information technology environment.

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.

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.

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.

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.

LIBT 221 PRISON LIBRARY SERVICES 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Not Degree Applicable
Letter Grade Only
Introduces students to the rehabilitative resources and programs utilized in prison libraries and the safety and security skills needed to successfully serve incarcerated patrons.

Transfer: CSU
LICT 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: LICT 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

LICENSED VOCATIONAL NURSING

LVN 101  THEORY I: FUNDAMENTALS, PERIOPERATIVE 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. Uses the Caring Framework for the study of nursing fundamentals, nursing process, and standard nursing care for a variety of common health and illness states. Compares and contrasts nursing care systems and roles employed in health maintenance, acute illness, surgical care, rehabilitation nursing for adults and elderly, and perioperative nursing. Prepares the vocational student nurse to care for patients and integrate concepts of perioperative nursing, adapting standard nursing care to meet the needs of the elderly is a focus for the LVN role.

LVN 101A  SKILLS THEORY I: ADULT, PERIOPERATIVE, 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
Introduces theory of basic nursing skills including pharmacology, medication administration and the LVN scope of practice. Incorporates this knowledge with the nursing process: assessment, planning, implementing, evaluation and documentation.

LVN 101AL  SKILLS LAB I: BASIC CARE, ADULT, PERIOPERATIVE, AND 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. Applies theoretical concepts and nursing skills to steps in the nursing process: assessment, planning, implementing, evaluations and documentation. Emphasizes meeting critical elements of hands-on skills, adhering to a consistent method of medication administration, and implementing accurate documentation.

LVN 101B  CLINICAL I: MEDICATION ADMINISTRATION, BASIC CARE  5.00
15.00 hours per week: (15.00 lecture hours/ 15.00 lab hours)
Credit - Degree Applicable
P/NP Only
Corequisites: LVN 101 and LVN 101A and LVN 101AL
Applies fundamental principles of theory and skills courses in the care of patients in long term-care and physical rehabilitation settings. Explores mental & spiritual health concepts and socio-cultural aspects as they apply to individually assigned patients.

LVN 102  THEORY II: MATERNAL/NEWBORN, 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 maternal/newborn nursing, pediatric nursing, chronic disease and dependent care across the lifespan.

LVN 102A  SKILLS THEORY II: MATERNAL/NEWBORN, PEDIATRICS, CHRONIC DISEASE  7.00
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 102AL and LVN 102B
Provides opportunity for supervised practice of specific nursing skills in a simulated clinical setting. Applies theoretical concepts and nursing skills to the care of the acute adult, the obstetric, neonate, and pediatric client. Emphasizes the normal growth and development process in relationship to health and illness. Presents the family as a whole in the clinical setting.

LVN 102AL  SKILLS LAB II: MATERNAL/NEWBORN, 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. Applies relationships between theory, concepts and nursing skills to steps in the nursing process: assessment, planning, implementing, evaluations and documentation. Emphasizes meeting critical elements of hands-on skills, adhering to a consistent method of medication administration, and implementing accurate documentation for perinatal, newborn and pediatric clients, clients with chronic illness, and dependent care clients.

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 theory and skills learned to the care of the acute adult, the obstetric, neonate, and pediatric client in the clinical setting. Emphasizes the normal growth and development process in relationship to health and illness. Presents the family as a whole in the clinical setting.

LVN 103  THEORY III: COMMUNITY AND MENTAL HEALTH NURSING & LEADERSHIP  3.00
3.00 hours per week: (3.00 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. Presents leadership and advanced supervision concepts. Prepares students for NCLEX exam success.
LVN 103A  SKILLS THEORY III: COMMUNITY AND MENTAL HEALTH NURSING & LEADERSHIP  3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: LVN 102B
Corequisites: LVN 103 and LVN 103B
Introduces nursing concepts of advanced vocational nursing skills to provide patient care in the community and psychiatric setting. Emphasizes the unique needs of the mental health and community-based patient with multiple health care needs. Presents concepts fundamental to the leadership, supervision and delegation roles of Vocational Nursing. Vocational Nursing NCLEX preparedness is part of this course.

LVN 103B  CLINICAL III: MENTAL HEALTH, TEAM LEADING & PRECEPTORSHIP  5.00
15.00 hours per week: (0.00 lecture hours/15.00 lab hours)
Credit - Degree Applicable
P/NP Only
Prerequisites: LVN 102B
Corequisites: LVN 103 and LVN 103A
Applies patient care knowledge and standards to more complicated patients in long term care, skilled nursing, and mental health nursing. Prepares students to make the transition from student nurse to entry-level practice nurse. Includes a preceptorship component.

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.

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)

LVN 193  LVN SPECIAL TOPICS  0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

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.

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.

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 021
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.

MATH 022  TWO-SEMESTER BEGINNING ALGEBRA: PART 2  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 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 background. This course enables the students to complete the equivalent of Elementary Algebra (MATH 123) at a slower pace. Successful completion of MATH 021 or equivalent and MATH 122 is equivalent to MATH 123.

MATH 122  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
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.

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.

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
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 126A
Broadens and adds to the concepts of elementary algebra. Such additions include rational expressions, quadratic equations, functions, exponential and logarithmic functions, inverse functions, and sequences and series.

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
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.

MATH 147S STATISTICS SUPPORT 1.00
1.00 hours per week; (1.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
P/NP Only
Corequisites: MATH 247
Provides instruction and review of core prerequisite skills, competencies, and concepts necessary for success in Math 247, Introduction to Statistics. Topics include concepts from prealgebra, elementary and intermediate algebra, and the development of critical thinking skills needed for statistical analysis. Intended for students who are concurrently enrolled in Math 247.

MATH 193 MATH SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

MATH 220 MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS 3.00
3.00 hours per week; (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: Intermediate Algebra or eligibility for transfer-level math using the current college process.
Focuses on the development of quantitative reasoning skills through in-depth, integrated explorations of topics in mathematics, including real number systems and subsystems; emphasis is on comprehension and analysis of mathematical concepts and applications of logical reasoning.
Transfer: CSU; UC
C-ID MATH 120

MATH 227 COLLEGE MATHEMATICS FOR TECHNICAL FIELDS 4.00
4.00 hours per week; (4.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: Intermediate Algebra or eligibility for transfer-level math using the current college process.
Provides a study of practical college level mathematics required in many career technical education fields. Includes topics from college algebra, trigonometry, geometry, statistics, measurement, and unit conversion.
Transfer: CSU

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: Intermediate Algebra or eligibility for transfer-level math using the current college process.
Advisories: MATH 242
Provides 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
C-ID MATH 851. MATH 229 + MATH 242 = MATH 955

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: Intermediate Algebra or eligibility for transfer-level math using the current college process.
Provides 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

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: Intermediate Algebra or eligibility for transfer-level math using the current college process.
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 + MATH 242 = C-ID MATH 955

MATH 232 COLLEGE ALGEBRA 4.00
4.00 hours per week; (4.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: Intermediate Algebra or eligibility for transfer-level math using the current college process.
Provides 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Time per week: (lecture/lab hours)</th>
<th>Credit</th>
<th>Prerequisites</th>
<th>Transfer:</th>
<th>Letter Grade/Grade Only</th>
<th>Credit - Degree Applicable</th>
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<tr>
<td>MATH 236</td>
<td>INTRODUCTION TO APPLIED STATISTICS</td>
<td>3.00</td>
<td>4.00 hours per week: (4.00 lecture hours/0.00 lab hours)</td>
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<td>CSU; UC</td>
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<td>Credit - Degree Applicable</td>
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<tr>
<td>MATH 242</td>
<td>PRECALCULUS ALGEBRA</td>
<td>5.00</td>
<td>5.00 hours per week: (5.00 lecture hours/0.00 lab hours)</td>
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<td>CSU; UC</td>
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<td>Credit - Degree Applicable</td>
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<td>MATH 247</td>
<td>INTRODUCTION TO STATISTICS</td>
<td>4.00</td>
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<td>CSU; UC</td>
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<td>Credit - Degree Applicable</td>
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<tr>
<td>MATH 255</td>
<td>CALCULUS FOR BUSINESS AND MANAGEMENT</td>
<td>3.00</td>
<td>3.00 hours per week: (3.00 lecture hours/0.00 lab hours)</td>
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<td>CSU; UC</td>
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<td>Credit - Degree Applicable</td>
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<tr>
<td>MATH 265A</td>
<td>CALCULUS I</td>
<td>5.00</td>
<td>5.00 hours per week: (5.00 lecture hours/0.00 lab hours)</td>
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<td>CSU; UC</td>
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<td>Credit - Degree Applicable</td>
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<tr>
<td>MATH 265B</td>
<td>CALCULUS II</td>
<td>5.00</td>
<td>5.00 hours per week: (5.00 lecture hours/0.00 lab hours)</td>
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<td>CSU; UC</td>
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<td>Credit - Degree Applicable</td>
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<tr>
<td>MATH 265C</td>
<td>CALCULUS III: MULTIVARIABLE CALCULUS</td>
<td>5.00</td>
<td>5.00 hours per week: (5.00 lecture hours/0.00 lab hours)</td>
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<td>CSU; UC</td>
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<td>Credit - Degree Applicable</td>
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<tr>
<td>MATH 278</td>
<td>ORDINARY DIFFERENTIAL EQUATIONS AND LINEAR ALGEBRA</td>
<td>5.00</td>
<td>5.00 hours per week: (5.00 lecture hours/0.00 lab hours)</td>
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<td>CSU; UC</td>
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<td>Credit - Degree Applicable</td>
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<tr>
<td>MATH 290</td>
<td>INTRODUCTION TO RESEARCH</td>
<td>1.00</td>
<td>1.00 hours per week: (1.00 lecture hours/0.00 lab hours)</td>
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<td></td>
<td>CSU; UC</td>
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<td>Credit - Degree Applicable</td>
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<tr>
<td>MATH 291</td>
<td>INTERMEDIATE RESEARCH</td>
<td>1.00</td>
<td>1.00 hours per week: (1.00 lecture hours/0.00 lab hours)</td>
<td></td>
<td></td>
<td>CSU; UC</td>
<td></td>
<td>Credit - Degree Applicable</td>
</tr>
</tbody>
</table>

Note: MATH 900S is a general education requirement and can be fulfilled by any of the courses listed above with a grade of C or better. For more information, please visit the Cuesta College website at cuesta.edu.
setting program, and finding opportunities to have original work published or disseminated.

Transfer: CSU, UC

MATH 295 UNDERGRADUATE STEM SEMINAR 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 - Degree Applicable
Letter Grade or P/NP

Introduces students to a variety of STEM fields (science, technology, engineering and mathematics) using a seminar format. Explores a broad range of academic and career opportunities in STEM. Emphasizes professional and personal skills for success in STEM.

Same as ANTH 295, BIO 295, ENGR 295, PSCI 295.
Transfer: CSU, UC

MATH 703 ARITHMETIC 0
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

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.

Repeatable.

MATH 707 PREALGEBRA 0
4.00 hours per week: (4.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

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.

Repeatable.

MATH 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
Advisories: NRAD 222

Present the role of the medical assistant along with concepts of ethics, law, professionalism, and computer basics to facilitate entry level medical assisting practice.

MATH 111A MEDICAL ASSISTING FAST TRACK 9.50
11.34 hours per week: (8.78 lecture hours/2.56 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 111B 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 eligibility for approved state certification exam. Must be 18 years of age by the first day of class to be certified.

MATH 111B MEDICAL ASSISTING FAST TRACK LAB 1.00
3.34 hours per week: (0.00 lecture hours/3.34 lab hours)
Credit - Degree Applicable
P/NP Only
Prerequisites: Student must be 18 yrs of age by the first class meeting.
Corequisites: MAST 111A and Current Health Care Provider CPR and Standard First Aid

Provides the opportunity to apply theory during externship. Includes placement in a community front and back office site offering the opportunity to perform various skills, practice communication techniques, and learn about professionalism under the direction of a preceptor. Provides experience which contributes to marketability for employment as a medical assistant and eligibility for approved state or national certification exam. Must be 18 years or older to be certified.

MAST 193 MEDICAL ASSISTING SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP

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

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

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.

Repeatable.

MUS 193 MUSIC SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP

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

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.

Transfer: CSU; UC
C-ID GEOG 130
MUS 205B MUSICIANSHIP III 1.00
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

MUS 205C MUSICIANSHIP IV 1.00
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

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

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

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, 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 polytonality, meter and rhythm.
Transfer: CSU; UC
C-ID MUS 150

MUS 205A MUSICIANSHIP II 3.00
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

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

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
Transfer: CSU
C-ID MUS 160

MUS 211 MUSIC TECHNOLOGY 2.00
2.00 hours per week: (2.00 lecture hours/lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: MUS 201 or instructor approval
Provides students with knowledge of music notation software, familiarity with simple DAWs (Digital Audio Workstations such as GarageBand, Ableton Live, etc.) and podcasting. This course gives students technical information they would need to succeed in the music industry.
Transfer: CSU

MUS 221 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 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
C-ID MUS 160

MUS 210 SONGWRITING I 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Prerequisites: MUS 201 or instructor approval
Introduces harmonic, rhythmic, and melodic aspects of songwriting. Guides students through basic composition, form, chord usage and the process of developing ideas into a fully composed and compelling work.
Transfer: CSU

MUS 223 MUSICIANSHIP I 1.00
3.00 hours per week: (0.00 lecture hours/3.00 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 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
C-ID MUS 160
### 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

### 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 or P/NP  
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

### 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

### 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 and vocal jazz harmonics.  
Learn how to lead your own band.  
Transfer: CSU; UC

### 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 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

### MUS 227  CHAMBER MUSIC ENSEMBLE  
1.00 to 3.00  
3.00 - 9.00 hours per week: (0.00 - 6.00 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

### 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  
Prepares the student 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

### 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

### 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

### 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

### MUS 232A  CONCERT JAZZ ENSEMBLE  
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  
Advisories: Ability to play an instrument is required. Admission and chair placement will be based on instructor audition.  
Acquaints the student with a wide variety of jazz and swing compositions, arrangers and guest soloists. This course will stress improvisation, stylistic interpretation, and ensemble playing. It will be limited to students with considerable experience.  
Repeatable 3 time(s).  
Transfer: CSU; UC

### 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

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

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
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

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

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
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

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
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

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.

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 Digidesign ProTools HD System and D-Command Console.
Transfer: CSU

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

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 210
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

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 246 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

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

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.
class is divided into different groups all playing different literature each semester. Stresses stylistic interpretation and ensemble playing.

Repeatability: 3 times.
Transfer: CSU; UC
C-ID MUS 180

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

MUS 252  WORK EXPERIENCE IN MUSIC  0.50 to 4.00
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only

Provides opportunities for students in Music to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

MUS 256  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.

Presents the study and performance of major historical choral works with concentration on the Romantic Period from the end of the Classical Period to the early 20th century. Students will develop and improve choral techniques and repertoire. Auditions will be scheduled at the beginning of each semester.
Repeatability: 3 times.
Transfer: CSU; UC

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 techniques of playing the piano. 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

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. It is assumed that the student can read standard music notation.
Transfer: CSU; UC
C-ID MUS 170

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 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
C-ID MUS 171

MUS 263  CHORAL MUSIC OF THE ROMANTIC TO MODERN ERA  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 Only

Advisories: Prior choral and solo experience is recommended. Admission will be based on instructor audition.

Presents the study and performance of major historical choral works with concentration on the Romantic Period from the end of the Classical Period to the early 20th century. Students will develop and improve choral techniques and repertoire. Auditions will be scheduled at the beginning of each semester.
Repeatability: 3 times.
Transfer: CSU; UC

MUS 267  OPERA/MUSICAL THEATER WORKSHOP  2.00
3.00 hours per week: (1.50 lecture hours/1.50 lab hours)
Credit - Degree Applicable
Letter Grade Only
Advisories: MUS 220

Provides more depth of skill study. Topics include playing more than one part, 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

Transfer: CSU; UC

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

MUS 271  INTERMEDIATE GUITAR  2.00
3.00 hours per week: (1.50 lecture hours/1.50 lab hours)
Credit - Degree Applicable
Letter Grade Only
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

NONCREDIT ADULTS WITH DISABILITIES

NAWD 701  SKILL BUILDING FOR WORK AND COMMUNITY LIFE  0

(Formerly NCTE701)
0.50 - 6.00 hours per week: (0.00 - 0.00 lecture hours/0.50 - 6.00 lab hours)
Noncredit
Non-credit Course

Provides adults with basic skills to maximize their social, vocational and educational potential, while increasing capacity and facilitating
NAWD705 TRANSITION READINESS PREPARATION 0
(Formerly NCTE705)
1.50 - 3.00 hours per week: (0.00 - 1.00 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

NAWD 710 EMPLOYABILITY SKILLS 0
(Formerly NCTE710)
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

NAWD730 WELLNESS ARTS FOR WORK AND COLLEGE SUCCESS 0
(Formerly NCTE730)
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

NAWD 740 WORK SKILLS 0
(Formerly NCTE740)
3.00 - 6.00 hours per week: (0.00 - 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

NAWD 750 TRANSITION READINESS PREPARATION 0
(Formerly NCTE750)
1.50 - 3.00 hours per week: (0.00 - 1.00 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

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

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/SP
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

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

NCTE 713 FOOD SAFETY AND SANITATION 0
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
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 handler’s responsibility in maintaining high sanitation and safety standards.
Repeatable

NURSING ASSISTANT

NAST 148 NURSING ASSISTANT 3.00
3.34 hours per week: (3.34 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade Only
Corequisites: NAST 148L
P/NP Only
Prerequisites: NAST 148
Non-Credit Gradeable Course/S
Provides 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.

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
Non-Credit Gradeable Course/SP
Provides 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.
NRAD 120B    SUPPLEMENTARY NURSING SKILLS PRACTICE SECOND SEMESTER  0.50
1.50 hours per week: (0.00 - 0.00 lecture hours/1.50 lab hours)
Credit - Degree Applicable
P/NP Only
Corequisites: NRAD 202B
Provides students the opportunity to practice second semester nursing skills acquired in 201B and 202B. Student will demonstrate application of theoretical knowledge into nursing practice. Practice opportunities vary from highly structured to less structured simulated clinical situations.

NRAD 120C    SUPPLEMENTARY NURSING SKILLS PRACTICE THIRD SEMESTER  0.50
1.50 hours per week: (0.00 - 0.00 lecture hours/1.50 lab hours)
Credit - Degree Applicable
P/NP Only
Corequisites: NRAD 203B
Provides students the opportunity to practice third semester nursing skills acquired in 201B, 202B and 203B. Student will demonstrate application of theoretical knowledge into nursing practice. Practice opportunities vary from highly structured to less structured simulated clinical situations.

NRAD 120D    SUPPLEMENTARY NURSING SKILLS PRACTICE FOURTH SEMESTER  1.00
3.00 hours per week: (0.00 - 0.00 lecture hours/3.00 lab hours)

NRAD 193    NURSING SPECIAL TOPIC  0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.
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

NRAD 202B NURSE CARING PRACTICUM II 7.00
16.00 hours per week: (2.00 lecture hours/16.00 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 patients, infants, children, and young/middle-aged adults in structured clinical practice in a way that is culturally competent.

Transfer: CSU

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

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 patients with goal setting, energy, and caring problems. Includes cultural diversity and ethnic considerations, gastrointestinal, liver, pancreatic, vascular, respiratory, integumentary, hematologic, autoimmune, musculoskeletal and reproductive health problems. Emphasizes nursing intervention.

Transfer: CSU

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 various clinical settings.

Transfer: CSU

NRAD 203D NURSE CARING FOR MEDICAL-SURGICAL PATIENTS 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, genitourinary, 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 patient and families ability to cope.

Transfer: CSU

NRAD 204A NURSE CARING CONCEPTS FOR CLIENTS PSYCHIATRICALLY 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 patient at risk from mental illness, dysfunction and crisis. Presents assessment techniques, nursing diagnoses and specific nursing interventions.

Transfer: CSU

NRAD 204B NURSE CARING FOR PEOPLE AT RISK PRACTICUM 5.00
15.00 hours per week: (0.00 lecture hours/15.00 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

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 204A
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

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

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 208B 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.
Nurse mentor. Offers work experience in a participating agency.
Transfer: CSU

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
Introduces medical terminology for human body structures and
systems, laboratory and diagnostic studies, clinical conditions and
procedures. Terminology will also introduce terms related to health
care specialties. Prefixes, suffixes and combining forms are used to
identify the meaning of medical terms.
Transfer: CSU

NUTRITION

NUTR 193 NUTRITION SPECIAL TOPIC 0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the disci-
pline offering this course.

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
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

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
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

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

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 experien-
tial teaching/learning strategies may be used to evaluate nutritional
excesses as well as deficiencies across the life span.
Transfer: CSU; UC

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

NUTR 230 NUTRITION FOR FITNESS AND SPORT 3.00
3.00 hours per week: (3.00 lecture hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: NUTR 210
Presents a specialized course relating nutrition to physical perfor-
mance and fitness, exploring current trends, controversies, and ana-
lyzing various dietary recommendations relating to specific
physical needs.
Transfer: CSU

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 func-
tion and interaction, food preparation techniques, sensory evalu-
ation standards, food safety and sanitation, and nutritional values.
Transfer: CSU
C-ID NUTR 120

NUTR 240 PERSONALIZED NUTRITION PLANNING
FOR LIFETIME WELLNESS 1.00
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: NUTR 210
Presents and applies the basic principles of behavior change, goal
setting, and evidence-based nutrition to develop a personalized
nutrition plan utilizing peer diet analysis assessment techniques
and nutrition coaching methods.
Transfer: CSU

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 expe-
nience by an individual student in a selected topic of nutrition under
the direction of an instructor.
Transfer: CSU

NUTR 249 PLANT-BASED NUTRITION 3.00
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Identifies the science and history of plant-based nutrition, health
promotion, and environmental sustainability. Examines the sources
and functions of plant phytonutrients and fibers, and how the body
utilizes and benefits from them. Describes how food choice can
promote sustainable food industry, public policy, health, and equity.
Explores plant-based sustainable eating from meal planning to
shopping, storage, and preparation.
Transfer: CSU

NUTR 252 WORK EXPERIENCE IN NUTRITION 0.50 to 4.00
0 hours per week: (0.00-0.00 lecture hours/0.00-0.00 lab hours)
Credit - Degree Applicable
There are required meetings with the Faculty Advisor and workplace supervisor.

Transfer: CSU
PLGL 207  FAMILY LAW  3.00
(Formerly PLGL107, LGL207)
Credit - Degree Applicable
Letter Grade or P/NP
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

PLGL 208  ESTATE PLANNING AND ADMINISTRATION  3.00
(Formerly LGL208)
Credit - Degree Applicable
Letter Grade or P/NP
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

PLGL 209  TECHNOLOGY IN THE LAW OFFICE  3.00
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

PLGL 210  DEBT COLLECTION & ENFORCEMENT OF JUDGMENTS  3.00
Credit - Degree Applicable
Letter Grade or P/NP
Explain the procedures, forms, and strategies for enforcing and satisfying a monetary judgment. Covers state and federal laws relating to consumer and business debt collection. Includes secured vs. unsecured debt, judicial liens, writs of execution, levying on personal and real property, preparing wage garnishments, claiming exemptions, and ethical considerations relating to debt collection.
Transfer: CSU

PLGL 220  LEGAL RESEARCH AND WRITING  4.00
(Formerly LGL220)
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

PARAMEDIC

SEE EMERGENCY MEDICAL SERVICES

PERSONAL DEVELOPMENT STUDIES

PEDS 110  CAREER PLANNING: COMPREHENSIVE  3.00
(Formerly WEXP110)
Credit - Degree Applicable
P/NP Only
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.

PEDS 111  CAREER PLANNING: ATTITUDES AND APTITUDES  1.00
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.

PEDS 112  CAREER PLANNING: POST-SECONDARY EDUCATION PATH  1.00
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.

PEDS 113  CAREER PLANNING: ACTING UPON THE 10-YEAR PLAN  1.00
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 path; writing a resume, college or job applications, admissions essays and timelines; and designing an education plan to assure they are college and career ready.
Presented 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

PHIL 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.

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
Introduces the literature of the Hebrew scriptures and the Christian New Testament through their history, literary conventions, authors, and sources.
Transfer: CSU, UC

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
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

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
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

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
Prepresents 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

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
Prepresents 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

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

PHIL 227  INDEPENDENT STUDIES: PHILOSOPHY  0.50 to 2.00
1.50 - 6.00 hours per week: (0.00 - 1.50 lecture hours/1.50 - 6.00 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Advisories: ENGL 201A
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

PHLEBOTOMY

PHLB 109A  PHLEBOTOMY  2.00
(Formerly MAST109 and MAST109A)
3.60 hours per week: (1.44 lecture hours/2.16 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: PHLB 109B and Health Care Provider CPR
Advisories: NRAD 222
Prepares the student in essential blood specimen collecting skills to fulfill the State of California phlebotomy certificate requirements for a Certified Phlebotomy Technician CPT-1. Prepares students for employment in hospitals, independent labs, physician offices, or public health clinics. Hands-on externship experience is part of the training via corequisite PHLB 109B. The 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. The student must be 18 years of age by the first class meeting to be certified.

PHLB 109B  PHLEBOTOMY EXTERNSHIP  1.00
(Formerly MAST109L and MAST109B)
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: PHLB 109A
Advisories: NRAD 222
Provides the student the opportunity to participate in an externship that allows application of knowledge and skills in an acute and/or ambulatory care laboratory setting. Helps students obtain the minimum requirements for obtaining a State of California CPT-1 Certificate.
PSCI 210  ENERGY AND MATTER 4.00  
6.00 hours per week: (3.00 lecture hours/3.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Prerequisites: Intermediate algebra or eligibility for college-level math using the current college process.

PSCI 211  EARTH SCIENCE FOR FUTURE EDUCATORS 4.00  
6.00 hours per week: (3.00 lecture hours/3.00 lab hours)  
Credit - Degree Applicable  
Letter Grade or P/NP  
Prerequisites: Elementary algebra or eligibility for college-level math using the current college process.

PSCI 295  UNDERGRADUATE STEM SEMINAR 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 - Degree Applicable  
Letter Grade or P/NP  
Introduces students to a variety of STEM fields (science, technology, engineering and mathematics) using a seminar format. Explores a broad range of academic and career opportunities in STEM. Emphasizes professional and personal skills for success in STEM.  
Same as ANTH 295, BIO 295, ENGR 295, MATH 295.  
Transfer: CSU; UC  
C-ID GEEM 121

PHYS 193  PHYSICS SPECIAL TOPIC 0.50 to 4.00  
Credit - Degree Applicable  
Letter Grade or P/NP  
Examines a special topic in the field of study related to the discipline offering this course.

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.

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.

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  
Transfer: CSU; UC  
C-ID PHYS 105. PHYS 205A+205B = C-ID PHYS 100S

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  
Transfer: CSU; UC  
C-ID PHYS 110. PHYS 205A+205B = C-ID PHYS 100S

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  
Transfer: CSU; UC  
C-ID PHYS 205. PHYS 208A+208B+208C = C-ID PHYS 200S

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  
Transfer: CSU; UC  
C-ID PHYS 208. PHYS 208A+208B+208C = C-ID PHYS 200S

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  
Transfer: CSU; UC  
C-ID PHYS 210. PHYS 208A+208B+208C = C-ID PHYS 200S

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  
Transfer: CSU; UC  
C-ID PHYS 208. PHYS 208A+208B+208C = C-ID PHYS 200S
design 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

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 Schroedinger’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

PHYS 252 WORK EXPERIENCE IN PHYSICS 0.50 to 4.00
0 hours per week
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Physics to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

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
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

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
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

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
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

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

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
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

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

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.
Transfer: CSU

PROFESSIONAL DEVELOPMENT STUDIES

PDS 030 WELLNESS ARTS 2.00
(Formerly ACSN093A, WEXP 030)
3.00 hours per week: (1.50 lecture hours/1.50 lab hours)
Credit - Not Degree Applicable
P/NP 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.

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
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.
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
Provides the student with an understanding of the retail systems, 
procedures, and merchandising processes. Students will 
be introduced to the steps involved in planning and managing a project 
from the standpoint of the retail organization.

PDS 103  SURVEY OF GRAPHIC DESIGN  1.00
2.00 hours per week: (0.50 lecture hours/1.50 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Introduces principles of using professional design software to create visual design works for screen and print media. Topics include using Photoshop for digital imaging projects, Illustrator for vector graphics and InDesign for Digital Layout Design projects. Provides the student with an overview of the business and environmental reasons which create conflict between individuals and groups within an organization.

PDS 105  SURVEY OF EMERGENCY RESPONSE  1.00
2.00 hours per week: (0.50 lecture hours/1.50 lab hours)
Credit - Degree Applicable
Letter Grade or P/NP
Introduces students to concepts and practices of basic immediate care of an injured or ill person. Provides the student 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.

PDS 106  INTRODUCTION TO COMPUTER KEYBOARDING  1.00
(Formerly CAOA162)
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.

PDS 108  INTRODUCTION TO COMPUTER BASICS  1.00
(Formerly BUS173)
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 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.

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.

PDS 151  GREEN BUSINESS CERTIFICATION  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
Introduces principles of using professional design software to create visual design works for screen and print media. Topics include using Photoshop for digital imaging projects, Illustrator for vector graphics and InDesign for Digital Layout Design projects. Brief introduction of video, UX design, and animation will provide a full spectrum exploration of career options in graphic design.

PDS 120A  BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING  3.00
(Formerly CAOA20A, CAOA120A)
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 for personal use. Provides the primary purposes of building speed and accuracy and arranging letters, memos, reports, business forms and tables in proper format.
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.

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.

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.

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.

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.

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.

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 as the process of networking to build professional relationships.

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.

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
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.

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.

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.

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.

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.
SECTION 3A: BOARDING BASICS THROUGH KEYSTROKING ANALYSIS AND CORRECTIVE DRILLS

Increases skills in typing speed and accuracy. Emphasizes key formats.

PDS 520A  BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING

(Formerly BUS520A)  0
5.00 hours per week: (2.00 lecture hours/3.00 lab hours)
Noncredit
Non-credit Course
Designed for all students whose keyboarding skill will be primary and/or secondary to their vocation and/or personal use. Provides basic keyboarding skills by touch, using a microcomputer with a 10-key pad. Includes basic formatting instructions for letters, tables, and reports.
Repeatable.

PDS 520B  INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING

(Formerly BUS520B)  0
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 20 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.

PDS 520S  SPEED AND ACCURACY COMPUTER KEYBOARDING

(Formerly BUS520S)  0
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.

PDS 562  INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING

(Formerly BUS562)  0
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.

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
Introduces students to the psychiatric technician training program. Presents concepts necessary to practice safely and legally in a forensic mental institution. Emphasizes basic therapeutic communication, pharmacology, growth and development, developmental disabilities, behavior modification, nutrition, and nursing care, including application of basic skills to the care of patients with developmental disabilities.

PSYT 193  PSYCHIATRIC TECHNICIAN SPECIAL TOPIC

0.50 to 4.00
Credit - Degree Applicable
Letter Grade Only
Examines a special topic in the field of study related to the discipline offering this course.

PSYT 207  NURSING SCIENCE

19.00
31.12 hours per week: (12.56 lecture hours/18.56 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

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
Transfer: CSU

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
Transfer: CSU
Aggression, prejudice and stereotypes, interpersonal attraction, and the social group will be examined. Emphasized topics include:

- The power of the situation, other individuals, and social environments.
- Basic statistical reasoning and methods, and the collection, analysis, interpretation, and reporting of research data.

Transfer: CSU, UC
C-ID PSY 200

Introduction to Psychology

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
Prerequisites: PSYC 201

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

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

PSYC 204  INTRODUCTION TO ABNORMAL 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 201A and PSYC 201

Introduces the scientific study of psychopathology and disorders of cognition and behavior, broadly defined. Students investigate abnormal behavior from a variety of perspectives including biological, psychological, and sociocultural approaches. An integrative survey of theory and research in psychopathology, and the intervention and prevention strategies for psychological disorders are also introduced.

Transfer: CSU, UC

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: CSU, UC
C-ID PSY 170

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

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

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

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

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

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

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

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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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>REC 205</td>
<td>LEADERSHIP AND DIVERSE GROUPS</td>
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<td>4.00 hours per week: (2.50 lecture hours/1.50 lab hours)</td>
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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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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SOC 201A</td>
<td>INTRODUCTION TO SOCIOLOGY</td>
<td>3.00</td>
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<td>3.00 hours per week: (3.00 lecture hours/0.00 lab hours)</td>
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<td>Credit - Degree Applicable</td>
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Introduces the basic principles of sociology. Studies human social life focusing on the modern world. Emphasizes the analyses of culture, social structure, and interaction. Includes topics on socialization, crime, stratification, gender, race/ethnicity, politics, economy, family, education, religion, health care, and social change.

Transfer: CSU; UC

| C-ID SOC 110 |

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>SOC 201B</td>
<td>SOCIAL INSTITUTIONS</td>
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<td>3.00 hours per week: (3.00 lecture hours/0.00 lab hours)</td>
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<td>Credit - Degree Applicable</td>
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Advisories: SOC 201A

Studies the major social institutions, both the traditional ideas of social institutions family, education, economy, religion, and government/politics and contemporary ideas of social institutions science, mass media, medicine, sports, and the military. Covers the structures and functions of social institutions. Considers major works and draws comparisons between our institutions and those of other societies.

Transfer: CSU; UC

| C-ID SOC 108 |

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<th>Course Code</th>
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<tbody>
<tr>
<td>SOC 202</td>
<td>SOCIAL PROBLEMS</td>
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<td>3.00 hours per week: (3.00 lecture hours/0.00 lab hours)</td>
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Advisories: SOC 201A

Examines current social problems and the sociological concepts, theories, and methods used in their analysis. Emphasizes the role of power and ideology in the definition of social problems, the causes and consequences of social problems, and the methods of intervention. Includes topics on crime, poverty, gender inequality, race/ethnic inequality, and family problems.

Transfer: CSU; UC

| C-ID SOCI 115 |

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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>SOC 204</td>
<td>INTRODUCTION TO CRIMINOLOGY</td>
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<td>3.00 hours per week: (3.00 lecture hours/0.00 lab hours)</td>
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Advisories: SOC 201A

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

| C-ID SOCI 160 |

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<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SOC 206</td>
<td>RACE AND ETHNIC RELATIONS</td>
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<td>3.00 hours per week: (3.00 lecture hours/0.00 lab hours)</td>
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<td>Credit - Degree Applicable</td>
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Introduces students to the interdisciplinary analysis of race, ethnicity, and racism, and focusing on the US American context. Examines the lived experiences and social struggles of various racial and ethnic groups. Critically examines the historical and contemporary patterns of interaction between racial and ethnic groups. Analyzes how institutions and socioeconomic, political, and cultural practices sustain or challenge racism and racial and ethnic inequality. Evaluates efforts to create a more just and equitable society at the individual, interpersonal, and societal levels.

Transfer: CSU; UC

| C-ID SOCI 150 |

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<th>Course Code</th>
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<tr>
<td>SOC 208</td>
<td>INTRODUCTION TO GENDER STUDIES</td>
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<td>3.00 hours per week: (3.00 lecture hours/0.00 lab hours)</td>
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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. Examines women and men in varying cultural settings 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 |

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>SOC 247</td>
<td>INDEPENDENT STUDIES: SOCIOLOGY</td>
<td>0.50 to 2.00</td>
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<td>1.50 - 6.00 hours per week: (0.00 lecture hours/1.50 - 6.00 lab hours)</td>
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<td>Credit - Degree Applicable</td>
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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

| C-ID SOCI 108 |

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>SPAN 193</td>
<td>SPANISH SPECIAL TOPIC</td>
<td>0.50 to 4.00</td>
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<td>Credit - Degree Applicable</td>
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Examines a special topic in the field of study related to the discipline offering this course.

Transfer: CSU

| C-ID SPAN 100 |

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SPAN 201</td>
<td>SPANISH I</td>
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<td>5.00 hours per week: (5.00 lecture hours/0.00 lab hours)</td>
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<td>Credit - Degree Applicable</td>
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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

| C-ID SPAN 100 |

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**SOCIETY**

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**SPANISH**

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SECTION 3A: determining proper use of these devices in a work environment.

VOCE 500  INTRODUCTION TO HAND-HELD DEVICES  0
(Formerly NCTE500)
0.50 - 3.00 hours per week: (0.00 lecture hours/0.50 - 3.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces practical use of a variety of handheld computer devices including music players, e-Books, Smartphones, iPods, iTouch, and iPads. The use of common PC and Mac applications to run devices, find tutorials or manuals, and identify useful settings, will also be covered. Information learned in this course will provide tips on how to use handheld devices effectively and observe protocol when determining proper use of these devices in a work environment.
Repeatable

VOCE 501  KEEPING A PC HARD DISK CLEAN AND ORGANIZED  0
(Formerly NCTE501)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Examines how to organize, clean, and optimize a PC hard disk drive to maximize performance. Course topics include techniques for file organization, program removal, garbage identification and the removal of malware, and basic maintenance.
Repeatable

VOCE 502  TECH TALK: WHAT'S NEW IN COMPUTERS AND TECHNOLOGY?  0
(Formerly NCTE502)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Examines the rapidly evolving technical world and its future. This course will guide students as they explore the many practical questions that arise as computers, cell phones, eBooks, social networks, email, the internet and other technology become more central to our daily lives. This course may be taught bilingually.
Repeatable

VOCE 503  OPTIMIZE AND UPGRADE YOUR PC  0
(Formerly NCTE503)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces a variety of hardware and software tools as well as strategies to improve the productivity and efficiency of PC systems. The course teaches how to optimize the PC's operation and how to upgrade memory, disk drives and other components at a reasonable cost to extend the life of a PC system or design and build an entirely new system. Topics also include how to rid a system of viruses and spyware and how to back up a system and valuable data.
Repeatable

VOCE 504  INSTALLING AND CONFIGURING WINDOWS SERVER  0
(Formerly NCTE504)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the processes of installing and configuring a Windows server. Some of the areas covered will include: configuring storage, configuring print and document services, remote management, IP addressing, and configuring DHCP and DNS Services.
Repeatable

VOCE 505  ADMINISTERING WINDOWS SERVER  0
(Formerly NCTE505)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides an introduction to the skills required to administer Windows servers. Some of the skills to be discussed and practiced in this course include: deploying and managing server images, configuring advanced audit policies, configuring VPNs, configuring DNS zones and records.
Repeatable

VOCE 506  INTRODUCTION TO 3-D PRINTING  0
(Formerly NCTE506)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours per week</th>
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<th>Repeatable</th>
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<tbody>
<tr>
<td>VOCE 507</td>
<td>PRODUCT DESIGN AND PROTOTYPING WORKSHOP 0</td>
<td>0.50</td>
<td>Noncredit</td>
<td>Repeatable</td>
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<td>(Formerly NCTE507)</td>
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<td></td>
<td>Provides an overview of the Prototyping and Fabrication methods for Product Design. Presents the knowledge and skills needed to turn design concepts into digital objects and examines multiple fabrication processes. Provides opportunities for hands-on experience using digital tools through visits to industry workshops. Selected software for Product design and Prototyping is also introduced. The emphasis of the course is on 3D modeling with support for 3D printers and fabrication tools. Repeatable</td>
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<td>VOCE 508</td>
<td>PRODUCING A DIGITAL NEWSLETTER 0</td>
<td>0.50</td>
<td>Noncredit</td>
<td>Repeatable</td>
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<td>(Formerly NCTE508)</td>
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<td>Focuses on formatting a newsletter for digital platforms. Guidance will be provided on how to lay out an actual publication of the students own choosing. If the student does not have an actual publication to work with a prototype will be provided. Repeatable</td>
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<tr>
<td>VOCE 509</td>
<td>PRODUCING A DIGITAL MAGAZINE 0</td>
<td>0.50</td>
<td>Noncredit</td>
<td>Repeatable</td>
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<td>(Formerly NCTE509)</td>
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<td>Focuses on the basic techniques of formatting a magazine cover and interior master pages for digital platforms. Guidance is provided on the use of a variety of tools while applying skills to a real-time project. Repeatable</td>
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<tr>
<td>VOCE 511</td>
<td>DIGITIZING DOCUMENTS 0</td>
<td>0.50</td>
<td>Noncredit</td>
<td>Repeatable</td>
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<td>(Formerly NCTE511)</td>
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<td>Introduces how to create secure forms and interactive documents for electronic distribution using Adobe Acrobat Pro. Instruction is included on securing forms with passwords and digital signatures. Additional topics include: strategies for good design utilizing industry standard software, conversion to secure PDF forms, creation of interactive fields and calculations. Repeatable</td>
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<tr>
<td>VOCE 512</td>
<td>PREPARING DIGITAL IMAGES 0</td>
<td>0.50</td>
<td>Noncredit</td>
<td>Repeatable</td>
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<td>(Formerly NCTE512)</td>
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<td>Introduces pixels, the building blocks for digital images, and how they relate to image size and resolution. Discusses how the &quot;intent&quot; (print, web, digital documents) determines the size and resolution. Provides instruction how to use Photoshop to perform basic photo editing and re-touching. Repeatable</td>
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<tr>
<td>VOCE 513</td>
<td>INTRODUCTION TO ADOBE ACROBAT TOOLS 0</td>
<td>0.50</td>
<td>Noncredit</td>
<td>Repeatable</td>
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<td>(Formerly NCTE513)</td>
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<td>Provides instruction in how to download PDFs from the web and share them as emails. Explains what PDFs actually are and how they make our lives easier. This course demonstrates the basics of working with PDFs including: how to create, combine, edit, export, review, annotate, comment and share documents. Repeatable</td>
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<td>VOCE 514</td>
<td>ADVANCED APPLICATIONS OF ADOBE ACROBAT 0</td>
<td>0.50</td>
<td>Noncredit</td>
<td>Repeatable</td>
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<td>(Formerly NCTE514)</td>
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<td>Provides instruction in how to streamline workflow and eliminate paper as additional Adobe Acrobat skills are learned. This course demonstrates the use of PDFs to convert paper documents into digital archives, combine documents from various applications into one cohesive file or portfolio, add interactivity to manuals and newsletters, and create interactive forms for easy data collection. Repeatable</td>
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<tr>
<td>VOCE 515</td>
<td>HIGH IMPACT PRESENTATIONS AND PROPOSALS FOR THE WORK PLACE 0</td>
<td>0.50</td>
<td>Noncredit</td>
<td>Repeatable</td>
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<td>(Formerly NCTE515)</td>
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<td>Introduces the best approach to craft a presentation focused on the message you need to convey to your audience. Instruction is focused on how to consider the audience's expectations, biases, emotions, needs and wants when planning a slideshow. Course topics will explore the logical order to convey your information, what makes for a successful slide design, how to maintain consistency, how to edit for simplicity and how to use powerful imagery and meaningful data. Repeatable</td>
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<tr>
<td>VOCE 516</td>
<td>BASIC POWERPOINT 0</td>
<td>0.50</td>
<td>Noncredit</td>
<td>Repeatable</td>
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<td>(Formerly NCTE516)</td>
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<td></td>
<td>Introduces the best approach to craft a presentation focused on the message you need to convey to your audience. Instruction is focused on how to consider the audience's expectations, biases, emotions, needs and wants when planning a slideshow. Course topics will explore the logical order to convey your information, what makes for a successful slide design, how to maintain consistency, how to edit for simplicity and how to use powerful imagery and meaningful data. Repeatable</td>
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<tr>
<td>VOCE 517</td>
<td>ONLINE RESEARCH SKILLS 0</td>
<td>0.50</td>
<td>Noncredit</td>
<td>Repeatable</td>
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<td>(Formerly NCTE517)</td>
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<td>Identifies approaches to turn facts, figures and photos into a creative display of slides, outlines, graphs, and multimedia using Microsoft PowerPoint. Instruction is provided in the basics of presentation design and how to use templates, insert graphics, add animation, rehearse timings, and run and share a presentation. Repeatable</td>
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<tr>
<td>VOCE 519</td>
<td>PRESENTING RESEARCH WITH INFOGRAPHICS 0</td>
<td>0.50</td>
<td>Noncredit</td>
<td>Repeatable</td>
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<td></td>
<td>(Formerly NCTE519)</td>
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<tr>
<td></td>
<td>Examines data visualization to communicate information clearly</td>
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and efficiently. Instruction is provided in how to locate, evaluate, and organize information to create infographics that will inform others and demonstrate their research expertise.

Repeatable

**VOCE 523  INTRODUCTION TO ITUNES, IPODS, AND IPADS**
(Formerly NCTE523)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Presents how to use MP3 players and hand-held computers. Focuses on iPods, iPod Touch, and iPads. Instruction is provided on how to download music, videos, and podcasts to a computer. Topics include the applications available on iDevices, such as calendars, contacts, and games.

Repeatable

**VOCE 524  LIVING THE ILIFE**
(Formerly NCTE524)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Explores how to use Apple’s iLife suite of programs—iPhoto, iMovie HD, iDVD, Garage Band, and iWeb—to produce and distribute creative ideas through words, pictures, music or video.

Repeatable

**VOCE 526  MICROSOFT OFFICE FOR THE MAC**
(Formerly NCTE526)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Focuses on Microsoft Office for the MAC. Instruction is provided in how the office programs are designed to work as a single application. Topics include: MS Word (Word Processing), Excel (Spreadsheet), PowerPoint (multi-media/graphics/slides), and Outlook (mail/calendar/contacts).

Repeatable

**VOCE 534  ADOBE LIGHTROOM ESSENTIALS**
(Formerly NCTE534)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Introduces the basics of the Lightroom Software and how to both manage libraries of files and increase the quality of photographs and videos using editing techniques.

Repeatable

**VOCE 536  PHOTOSHOP FOR IMAGING**
(Formerly NCTE536)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Introduces an overview of Photoshop tools and operations leading to the discovery of the creative potential of image editing. Familiarizes participants with the Photoshop window, tools, and main menu bar.

Repeatable

**VOCE 558  BEST BUSINESS APPS**
(Formerly NCTE558)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Introduces a variety of apps that provide powerful and helpful tools for keeping track of, or handling all of the information you accumulate in a day. Course discussion will include apps for: tracking projects, research, emails, to-dos, follow-ups and more. Course material will help students to choose, install and sync apps with your different technology to help you become more successful and productive in the workplace.

Repeatable

**VOCE 559  INTRODUCTION TO GOOGLE DRIVE**
(Formerly NCTE559)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Provides different methods to effectively use Google Drive as a powerful Cloud resource for organization of files, collaboration with coworkers, and promoting going paperless. Course discussion will include: various types of drive storage, Sheets, and Slides.

Repeatable

**VOCE 560  THE BEST CLOUD BACKUP OPTIONS TO PROTECT YOUR DATA**
(Formerly NCTE560)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Provides instruction in effectively using the Cloud to protect data from fire, theft, and/or hardware failure. Also provides instruction on how to take advantage of the anytime access to data that the Cloud provides. Assessing data needs, choosing the best cloud backup option and creating a backup plan will be some of the areas of discussion.

Repeatable

**VOCE 565A  INTRODUCTION TO FARM MAINTENANCE**

1.00 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.00 - 6.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Provides students with an introduction to different types of agricultural operations, and a working knowledge of basic farm safety, farm, ranch and landscape construction and maintenance. Covers fundamental construction and maintenance of shelters, fencing, water systems, pastures and landscaping, and general handling and care of livestock. Covers the application of sustainable and holistic agricultural practices, and exploration of potential career paths.

Repeatable

**VOCE 565B  INTRODUCTION TO LIVESTOCK IDENTIFICATION AND HANDLING**

1.00 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.00 - 6.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Provides students with an introduction to livestock species and breeds, and a working knowledge of the fundamental requirements of animal husbandry and farm safety. Covers animal handling and restraint, general care, housing, feeding and basic health requirements. Includes identification of sustainable agricultural practices, and introduction to potential career paths.

Repeatable

**VOCE 565C  INTRODUCTION TO LAND USE PLANNING AND GRAZING**

1.00 - 6.00 hours per week: (0.00 - 0.00 lecture hours/1.00 - 6.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Provides students with an introduction to land use and grazing planning using holistic and sustainable planning methods. Covers interpreting and applying county land use regulations, operation design, planning and mapping methods, and planning targeted grazing. Emphasizes holistic management principles. Includes identification and application of sustainable and holistic agricultural practices, and exploration of potential career paths.

Repeatable
or posting to the internet. This course develops photo editing and basic internet skills for business or personal use.

Repeatable

**VOCE 597  COMPUTERS FOR BEGINNERS**  
(Formerly NCTE597)  
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP

Designed for students with limited experience with computers, this course introduces students to basic computer technology. Course may be taught bilingually.

Repeatable

**VOCE 598    HOW TO USE A COMPUTER KEYBOARD AND MOUSE FOR BEGINNERS**  
(Formerly NCTE598)  
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP

Provides an orientation to the computer keyboard and mouse, including the layout and function of special computer keys, properly holding the mouse, and practice in using the mouse. No previous typing or computer experience required.

Repeatable

**VOCE 599  INTRODUCTION TO WINDOWS**  
(Formerly NCTE599)  
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP

Introduces the Windows Operating System. Instructor-led guided exploration includes Help, windows navigation and management, file management, desktop customization, and other Windows Operating System tools and applications.

Repeatable

**VOCE 600  WINDOWS BASICS**  
(Formerly NCTE600)  
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP

Introduces the Windows Operating System in a slow-paced environment. Instructor-led guided exploration activities will include Help, windows navigation and management, file management, desktop customization, and other Windows Operating System tools and applications.

Repeatable

**VOCE 601  LEARN TO TYPE**  
(Formerly NCTE601)  
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP

Provides instruction in correct finger and wrist placement, and keyboard reaches for typing and texting. Refreshes skills in keyboarding, increases speed, and provides techniques and strategies to prevent carpal tunnel syndrome. Individualized instruction allows students to work at own pace. May be taught bilingually.

Repeatable

**VOCE 602  PHOTOSHOP**  
(Formerly NCTE602)  
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP

Introduces Photoshop for the PC and Mac. The class presents a solid foundation in basic tools and techniques for creating, enhancing, and collaging images. Skills will be taught and practiced in a lab setting. This course may be taught bilingually.

Repeatable

**VOCE 603  PHOTOSHOP FOR DIGITAL PHOTOGRAPHERS**  
(Formerly NCTE603)  
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP

Illustrates the capabilities of Photoshop for the PC and Mac. Topics will include, advanced layering and retouching techniques. Practice in a lab setting will reinforce concepts presented through lecture and demonstration. Familiarity with Photoshop on the PC or Macintosh recommended. This course may be taught bilingually.

Repeatable

**VOCE 604  INTRODUCTION TO ADOBE ILLUSTRATOR**  
(Formerly NCTE604)  
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP

Introduces the basics of Adobe Illustrator. Skills taught will include creating illustrations, logos, and more. Effective use of tools will be demonstrated, and projects will be assigned to ensure hands on practice in all key areas.

Repeatable

**VOCE 605  DIGITAL CAMERAS, DIGITAL PHOTOS**  
(Formerly NCTE605)  
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP

Designed for beginners or students with some experience in digital photography. Students should bring cameras and sample digital pictures to class.

Repeatable

**VOCE 606  DIGITAL DESIGN TECHNIQUES**  
(Formerly NCTE606)  
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP

Introduces the skills which are needed to create flyers, brochures, logos, and more using Illustrator, Photoshop, and InDesign. Examines how the programs work together to seamlessly combine photos, graphics, and page layout to produce high quality products. This course may be taught bilingually.

Repeatable

**VOCE 607  INTRODUCTION TO DREAMWEAVER**  
(Formerly NCTE607)  
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP

Introduces the basic skills necessary to use Dreamweaver to create a professional Website. Provides hands on practice integrating Dreamweaver, HTML, and CSS. Basic knowledge of PC or Mac and internet navigation skills recommended.

Repeatable

**VOCE 608  BASIC WORD PROCESSING**  
(Formerly NCTE608)  
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOCE 610</td>
<td>BASIC SPREADSHEETS FOR BEGINNERS</td>
<td>0.50</td>
<td>0.50</td>
<td>Introduces basic concepts and functions of Microsoft Excel. Topics include the basics of creating a spreadsheet, using formulas and functions, and creating charts. Repeatable</td>
</tr>
<tr>
<td>VOCE 611</td>
<td>INTRODUCTION TO MS EXCEL</td>
<td>0.50</td>
<td>0.50</td>
<td>Introduces the basic concepts and characteristics of Microsoft Excel. Course topics will explore various uses of spreadsheets. Topics covered include the basics of creating a spreadsheet, using formulas and functions, creating charts, and using the database feature in Microsoft Excel. Repeatable</td>
</tr>
<tr>
<td>VOCE 612</td>
<td>INTRODUCTION TO MS WORD</td>
<td>0.50</td>
<td>0.50</td>
<td>Introduces key functions and skills which are used for document creation in Microsoft Word. Includes entering text, doing revisions, formatting, previewing, and printing. Provides practice through the use of a variety of instructor assigned documents. Repeatable</td>
</tr>
<tr>
<td>VOCE 615</td>
<td>FOSTER YOUTH CHILD ADVOCATE 1</td>
<td>0.50 - 1.00</td>
<td>0.50</td>
<td>Prepares participants to be volunteers as a Court Appointed Special Advocate (CASA) by taking the first of two courses for certification. Course will cover the basic roles and responsibilities of volunteering as a child advocate, basic child development concepts, and the importance of effective communication. Individuals who complete this course may choose to use their new knowledge and skills with a variety of organizations including CASA. Repeatable</td>
</tr>
<tr>
<td>VOCE 616</td>
<td>FOSTER YOUTH CHILD ADVOCATE 2</td>
<td>0.50 - 1.00</td>
<td>0.50</td>
<td></td>
</tr>
</tbody>
</table>
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.

WELD 193  WELDING TECHNOLOGY SPECIAL TOPIC  
0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

WELD 247  INDEPENDENT STUDIES: METALS TECHNOLOGY  
2.00
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

WELD 252  WORK EXPERIENCE IN WELDING  
0.50 to 4.00
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Welding to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

WELD 270A  BASIC WELDING  
3.00
Credit - Degree Applicable
Letter Grade or P/NP
Provides basic instruction in oxyacetylene and shielded metal arc welding. Begins with the fundamentals and quickly progresses through intermediate skills for welding steel. Includes information on cutting, braze welding, metallurgy, vertical arc welding and non-ferrous welding. Emphasizes the development of good manipulative welding skills for joining steel in the flat and horizontal positions.
Transfer: CSU

WELD 270B  ADVANCED WELDING  
3.00
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

WELD 270C  WELDING: GMAW & GTAW  
3.00
Credit - Degree Applicable
Letter Grade Only
Prerequisites: WELD 270A
Focuses on using the Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW) and Flux Core Arc Welding (FCAW) processes to produce complex welded joints on ferrous and nonferrous materials in a variety of positions.
Transfer: CSU

WELD 272B  ADVANCED WELDING  
3.00
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

WELD 270C  WELDING: GMAW & GTAW  
3.00
Credit - Degree Applicable
Letter Grade Only
Prerequisites: WELD 270A
Focuses on using the Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW) and Flux Core Arc Welding (FCAW) processes to produce complex welded joints on ferrous and nonferrous materials in a variety of positions.
Transfer: CSU

WELD 193  WELDING TECHNOLOGY SPECIAL TOPIC  
0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

WELD 247  INDEPENDENT STUDIES: METALS TECHNOLOGY  
2.00
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

WELD 252  WORK EXPERIENCE IN WELDING  
0.50 to 4.00
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Welding to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

WELD 270A  BASIC WELDING  
3.00
Credit - Degree Applicable
Letter Grade or P/NP
Provides basic instruction in oxyacetylene and shielded metal arc welding. Begins with the fundamentals and quickly progresses through intermediate skills for welding steel. Includes information on cutting, braze welding, metallurgy, vertical arc welding and non-ferrous welding. Emphasizes the development of good manipulative welding skills for joining steel in the flat and horizontal positions.
Transfer: CSU

WELD 270B  ADVANCED WELDING  
3.00
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

WELD 270C  WELDING: GMAW & GTAW  
3.00
Credit - Degree Applicable
Letter Grade Only
Prerequisites: WELD 270A
Focuses on using the Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW) and Flux Core Arc Welding (FCAW) processes to produce complex welded joints on ferrous and nonferrous materials in a variety of positions.
Transfer: CSU

WELD 272B  ADVANCED WELDING  
3.00
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

WELD 270C  WELDING: GMAW & GTAW  
3.00
Credit - Degree Applicable
Letter Grade Only
Prerequisites: WELD 270A
Focuses on using the Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW) and Flux Core Arc Welding (FCAW) processes to produce complex welded joints on ferrous and nonferrous materials in a variety of positions.
Transfer: CSU

WELD 193  WELDING TECHNOLOGY SPECIAL TOPIC  
0.50 to 4.00
Credit - Degree Applicable
Letter Grade or P/NP
Examines a special topic in the field of study related to the discipline offering this course.

WELD 247  INDEPENDENT STUDIES: METALS TECHNOLOGY  
2.00
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

WELD 252  WORK EXPERIENCE IN WELDING  
0.50 to 4.00
Credit - Degree Applicable
Letter Grade Only
Provides opportunities for students in Welding to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

WELD 270A  BASIC WELDING  
3.00
Credit - Degree Applicable
Letter Grade or P/NP
Provides basic instruction in oxyacetylene and shielded metal arc welding. Begins with the fundamentals and quickly progresses through intermediate skills for welding steel. Includes information on cutting, braze welding, metallurgy, vertical arc welding and non-ferrous welding. Emphasizes the development of good manipulative welding skills for joining steel in the flat and horizontal positions.
Transfer: CSU

WELD 270B  ADVANCED WELDING  
3.00
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

WELD 270C  WELDING: GMAW & GTAW  
3.00
Credit - Degree Applicable
Letter Grade Only
Prerequisites: WELD 270A
Focuses on using the Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW) and Flux Core Arc Welding (FCAW) processes to produce complex welded joints on ferrous and nonferrous materials in a variety of positions.
Transfer: CSU
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

WELD 275 BLUEPRINT READING AND INDUSTRY PRACTICES 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: BASIC WELDING
Advisories: MATH 123 ELEMENTARY ALGEBRA
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.
Transfer: CSU

WELD 276 WELDING POWER 3.00
6.00 hours per week: (2.00 lecture hours/4.00 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.
Transfer: CSU

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
Design and construct major projects from metal. Manufacturing processes and production techniques are included in planning and developing projects.
Transfer: CSU

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
Prerequisites: WELD 270B and WELD 270C
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

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

WELD 770A BASIC WELDING 0
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides basic instruction in oxyacetylene and shielded metal arc welding. Begins with the fundamentals and quickly progresses through intermediate skills for welding steel. Includes information on cutting, braze welding, metallurgy, vertical arc welding and non-ferrous welding. Emphasizes the development of good manipulative welding skills for joining steel in the flat and horizontal positions.
Repeatable.

WELD 770B ADVANCED WELDING 0
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Prerequisites: WELD 270A and/or WELD 770A
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.
Repeatable.

WELD 780A STRUCTURAL STEEL WELDING CERTIFICATION 0
6.00 hours per week: (2.00 lecture hours/4.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Prerequisites: WELD 270B or WELD 270B and WELD 270C
Continues WELD 270B. Prepares the student to meet industry standards in shielded metal arc welding on plate steel. Includes performance and procedure qualification, workmanship, techniques, inspection. Provides opportunity for certification to the American Welding Society D1.1 Structural Welding Code.
Repeatable.

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.

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.

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 respond-
ing 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.

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.

WEXP 193 WORK EXPERIENCE SPECIAL TOPICS 0.50 to 4.00
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.

WEXP 251 COOPERATIVE WORK EXPERIENCE – GENERAL 0.50 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 students to acquire and demonstrate employer-desired workplace competencies and skills. Employment need not be related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Transfer: CSU

WEXP 252 COOPERATIVE WORK EXPERIENCE – OCCUPATIONAL 0.50 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 students to acquire and demonstrate employer-desired workplace competencies and skills. Employment is related to the student's educational major and/or career goals. Students may earn a maximum of four credits per semester and a total of 16 Work Experience credits over four semesters. Students must work 75 paid work hours or 60 non-paid work hours for each credit earned. There are required meetings with the Faculty Advisor and workplace supervisor.
Repeateable 3 time(s).
Transfer: CSU

WORKFORCE PREPARATION

WKFP 500A WORKPLACE READINESS FUNDAMENTALS A 0
(Formerly NCTE500A)
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces fundamentals of career exploration and planning. Students develop a personal identity profile in relation to job and career clusters characteristics and local job opportunities to establish an education and career plan.
Repeatable.

WKFP 500B WORKPLACE READINESS FUNDAMENTALS B 0
(Formerly NCTE500B)
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces fundamentals of job search skills. Prepares students to implement steps involved in obtaining employment and develop a personal budget.
Repeatable.

WKFP 501A WORKPLACE STANDARDS A 0
(Formerly NCTE501A)
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces fundamentals of workplace standards in employability skills. Students will identify and apply basic employability skills needed to be successful in the workplace.
Repeatable.

WKFP 515 SUCCESSFULLY MANAGING AND DEVELOPING PEOPLE 0
(Formerly NCTE515)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Develops the skills needed to be an effective manager or supervisor. Topics covered include: adapting your management style to every situation, communicating effectively, developing your employees through delegation, managing conflict, motivating staff, and facilitating change.
Repeatable.

WKFP 521 CLOSING TECHNIQUES THAT WIN THE SALE 0
(Formerly NCTE521)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces basic concepts needed to effectively close sales. Provides information on the appropriate use of different types of sales approaches, and discussion on when each different approach is most effective.
Repeatable.

WKFP 522 WINNING SALES SCRIPTS 0
(Formerly NCTE522)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces techniques for successful "inside" sales where persons contact perspective buyers using phone and email. Includes script writing to increase the effectiveness of "inside" sales in order to maximize this revenue source.
Repeatable.

WKFP 527 WORKPLACE COMMUNICATION STRATEGIES 0
(Formerly NCTE527)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces new assessment skills to empower the student to optimize their current workplace communications. The skills introduced in this course help students to differentiate content, emotions, perceptions, and intentions in interpersonal communications.
Repeatable.
Develops skills needed for difficult conversations. Topics include: how to clarify intentions and assumptions, simple methods to stay centered while having difficult conversations, and how to constructively shape conversations to achieve desired results. The course also provides scripts and tips that can be used to prepare for future difficult conversations. Repeatable.

Introduces and develops effective and professional business writing skills. Emphasis is on using proper business tone, organization, formatting, word choice, and persuasion. Additionally, concepts for effectively matching content to delivery method will be presented and discussed. A variety of scenarios will be studied including how to use the most effective methods to deliver bad news.

Introduces constructive political behavior to create more win-win situations, unblock barriers to change, create greater “buy-in” on key projects, develop cohesion and improve decision making.

Introduces collaboration skills which will help to build high trust relationships. Assesses conflict management skill strengths and weaknesses, and helps strengthen weak areas. These activities will be used throughout the course to help students to strengthen their areas. Specific areas to be covered during the course will include but are not limited to: Problem solving with multiple parties, nonverbal communication, and the importance of empathy, active listening, and paraphrasing.

Explores the importance of Emotional Intelligence (EI) as it relates to being an effective and high-performing employee, supervisor and leader. Topics include EI competencies: self-awareness, social awareness, self-management and relationship management. Through hands on activities, students will apply the tools and techniques for mastering each domain. Assists students in the creation of strategies using the EI framework which can optimize their professional performance and working relationships.

Applies practical strategies to assist in retaining a valuable customer base, diffuse difficult situations and earn repeat business. Topics include the anatomy of a complaint, regulating verbal and nonverbal responses, active listening skills, creative problem solving, customer perceptions and expectations, adapting to different conflict styles, and steps to defuse angry customers.

Applies collaboration tools for building high-trust synergistic relationships and analyzing the conflict cycle. Uses practice skills to diffuse mock situations at each stage of conflict. Skills presented include re-framing, neutralizing language, discovering of interests, and leveraging innovative solutions through a collaborative negotiation process.

Provides guided exploration of different behaviors and personality styles, while teaching how to adapt one’s behavior to be effective with a variety of personality styles in a variety of work situations. Emphasis is placed on dealing with difficult relationships and communicating in a way that matches the needs of all involved to achieve relationship satisfaction and organizational objectives.

Explores the promotional aspect of marketing and the different communication techniques used to raise customer awareness and interest. Emphasis is placed on how to identify the mediums that will be most effective to a targeted market. Both business-to-customer and business-to-business strategies will be covered. Techniques discussed can be applied towards various careers such as sales, public relations, copywriting, and other marketing positions.

Introduces and develops effective and professional business writing skills. Emphasis is on using proper business tone, organization, formatting, word choice, and persuasion. Additionally, concepts for effectively matching content to delivery method will be presented and discussed. A variety of scenarios will be studied including how to use the most effective methods to deliver bad news.

Explores the importance of Emotional Intelligence (EI) as it relates to being an effective and high-performing employee, supervisor and leader. Topics include EI competencies: self-awareness, social awareness, self-management and relationship management. Through hands on activities, students will apply the tools and techniques for mastering each domain. Assists students in the creation of strategies using the EI framework which can optimize their professional performance and working relationships.

Applies practical strategies to assist in retaining a valuable customer base, diffuse difficult situations and earn repeat business. Topics include the anatomy of a complaint, regulating verbal and nonverbal responses, active listening skills, creative problem solving, customer perceptions and expectations, adapting to different conflict styles, and steps to defuse angry customers.

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Non-Credit Gradeable Course/SP
Focuses on the research, planning, execution, and evaluation of a marketing campaign. Examines the specific activities used to promote products, services, and businesses. Multiple mediums that carry the message of the marketing campaign will be covered. Explores how companies use marketing campaigns to reinforce branding and positioning.
Repeated.

WKFP 542 SELF-MANAGEMENT AND DEVELOPMENT 0
(Formerly NCTE542)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Focuses on self-management skills that encourage behavior resulting in the achievement of personal and professional goals. This can include activities that improve awareness and identity, develop talents and potential, build human capital, facilitate employability, enhance quality of life, and contribute to the realization of dreams and aspirations. Repeated.

WKFP 543 BUILDING HIGH PERFORMANCE TEAMS 0
(Formerly NCTE543)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Explores and applies key team-building skills for working within or leading a team. Emphasis is on stages of team development, team roles, supportive communication climate, meeting strategies, and tools for first-rate problem solving and decision making. Practical applications within a team structure is also emphasized. Repeated.

WKFP 544 CHANGE IS THE NEW CONSTANT IN THE WORKPLACE 0
(Formerly NCTE544)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Presents strategies in managing the continual changes taking place in the workplace. Provides practice in identifying opportunities for change, initiating change, and how to support staff during the change process. Repeated.

WKFP 546 COACHING TO IMPROVE MANAGERIAL EFFECTIVENESS 0
(Formerly NCTE546)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Presents coaching techniques to solve workplace problems, energize employees, improve performance outcomes, turn around problem situations, and increase team members overall enthusiasm and motivation. Skills taught and practiced also help participants learn to close the gap between actual and desired performance within their teams. Repeated.

WKFP 549 TIME MANAGEMENT 0
(Formerly NCTE549)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Explores time management strategies and tools for effectively managing expanding workloads, shifting priorities and increasing demands. Includes practice activities prioritizing "important" versus "urgent" activities. Emphasis is placed on analyzing current use of time; identifying organizational goals, roles and priorities; identify-
PART 3A: WORKPLACE.

WKFP 561 PERSONALIZED CAREER PLANNING
(Formerly NCTE561)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Focuses on the assessment of individuals’ strengths, interests, values, personality and abilities in the context of career and education planning. Guided discussion and activities will help to improve participants decision-making skills by exploring their own decision-making styles and applying specific decision making models to their career-planning process.
Repeatable.

WKFP 562 STRATEGIC JOB SEARCH
(Formerly NCTE562)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces skills and knowledge students need to develop and implement a strategic career and job search plan. Different sources of occupational information and how to utilize this information in the career planning and job search process will be presented and discussed.
Repeatable.

WKFP 563 LINKEDIN FOR BUSINESS
(Formerly NCTE563)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Covers how to use LinkedIn to develop business through relationship marketing. Topics include optimizing a company profile, developing content that engages a target audience, building a professional brand, marketing a company, showcasing credentials, getting business advice, reconnecting with former colleagues and connecting with businesses around the globe.
Repeatable.

WKFP 564 LEADERSHIP SKILLS
(Formerly NCTE564)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Explores and applies the top ten skills that every leader must have. Group activities will encourage live practice of the skills enabling participants to effectively learn to use these new approaches in real business situations. Participants will gain an understanding of the differences between leaders and managers.
Repeatable.

WKFP 565 SUPERVISORY SKILLS
(Formerly NCTE565)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the key tools for effective management and supervision. Covers delegation, feedback, communicating with employees, motivation, and management styles.
Repeatable.

WKFP 566 MOTIVATING YOURSELF AND OTHERS
(Formerly NCTE566)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Explores the key ingredients for strengthening workplace commitment, engagement, and career satisfaction. Introduces various reward and recognition strategies to increase engagement in the workplace.
Repeatable.

WKFP 567 SETTING UP QUICKBOOKS FOR SMALL BUSINESS
(Formerly NCTE567)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the basics of small business bookkeeping using Quickbooks and including financial reporting, how to analyze and record financial transactions, accounts receivable, accounts payable, payroll procedures, sales taxes, and common banking activities.
Repeatable.

WKFP 568 MONTHLY PROCEDURES FOR USING QUICKBOOKS
(Formerly NCTE568)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces how to develop and apply monthly accounting procedures for use in small business with Quickbooks. Practical assignments, either real or instructor provided, will be used to help students become proficient managing day to day transactions. Reconciling balance sheets, auditing income statements, adjusting journal entries, and preparing financial statements are some examples of what will be covered. This course expands on the information taught in WKFP 567 by providing instruction on the proper monthly activities businesses need to do to maintain accurate books.
Repeatable.

WKFP 569 YEAR END PROCEDURES
(Formerly NCTE569)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Develops skills in applying year-end procedures used in accounting for small businesses. Presents how to prepare closing journal entries for year-end and reports for tax accountants, purging files, and preparing for the new year.
Repeatable.

WKFP 570 ACCOUNTABILITY
(Formerly NCTE570)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the skills needed to effectively manage an individual’s own workplace performance and advancement by becoming proactive and accountable.
Repeatable.

WKFP 571 CHAMPIONING DIVERSITY IN THE WORKPLACE
(Formerly NCTE571)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Examines diversity within organizations to increase one’s awareness of different attitudes, beliefs, lifestyles, sexual preferences, and values that we all bring to work. Discusses how these things affect our behavior and perceptions. This course encourages focus on self-awareness and the impact that our behaviors can have on our co-workers.
Repeatable.

WKFP 572 SECRETS OF A GREAT EMPLOYEE
(Formerly NCTE572)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the secrets that make employees irreplaceable. Introduces skills and concepts that will help participants challenge old habits and foster new strategies to empower them to become the best that they can be. Course activities will encourage participants...
to share and discuss their past and current successes and failures. This course will give employees a renewed self-worth, and a strong appreciation for professional effectiveness.

Repeatable.

**WKFP 574  PROCESS IMPROVEMENT**

(Formerly NCTE574)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces methods and techniques for assessing and improving processes. Covers strategies that will increase efficiency, improve quality, and increase employee satisfaction and motivation.

Repeatable.

**WKFP 575  PROJECT MANAGEMENT FOR NON-PROJECT MANAGERS**

(Formerly NCTE575)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the skills needed to use YouTube to broadcast user and business-generated videos. Topics include creating a custom channel and building a following by uploading and sharing videos that communicate a brand and engage an audience. Learn new techniques to view, upload, and share videos; create playlists and optimize videos for search engines; and add annotations, notes and links. Uploading and editing film for YouTube is also covered.

Repeatable.

**WKFP 576  INNOVATION AND CREATIVITY IN THE WORKPLACE**

(Formerly NCTE576)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the steps to take to set up a Twitter business presence which will enable organizations to leverage the power of real-time marketing, optimize and manage an account, and find and follow influencers and leads.

Repeatable.

**WKFP 577  PINTEREST AND INSTAGRAM FOR BUSINESS**

(Formerly NCTE577)
0.50 hours per week: (0.50 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Examines why Facebook is the most popular social network and a powerful tool for growing and promoting your business. Introduces the steps for creating effective profiles, pages, groups, and ads. Discusses how to establish goals, and how to post to achieve them. Presents a variety of methods to build relationships with current and new customers. Develops skills to increase traffic to your website, and understand the importance of being able to measure the success of your Facebook marketing.

Repeatable.

**WKFP 578  YOU TUBE FOR BUSINESS**

(Formerly NCTE578)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces skills needed to effectively market and expand a brand using Pinterest and Instagram. Provides the basics and beyond for effectively using these platforms.

Repeatable.

**WKFP 579  FACEBOOK FOR BUSINESS**

(Formerly NCTE579)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces skills needed to effectively market and expand a brand using Pinterest and Instagram. Provides the basics and beyond for effectively using these platforms.

Repeatable.

**WKFP 580  PROFESSIONAL ETIQUETTE**

(Formerly NCTE580)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the behavior, communication, and appearance standards needed for professionalism to survive and thrive in the workplace.

Repeatable.

**WKFP 581  DOMESTIC AND GLOBAL ISSUES IN EMPLOYMENT**

(Formerly NCTE581)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the steps to take to set up a Twitter business presence which will enable organizations to leverage the power of real-time marketing, optimize and manage an account, and find and follow influencers and leads.

Repeatable.

**WKFP 582  INTERVIEWING AND HIRING IN THE GLOBAL MARKETPLACE**

(Formerly NCTE582)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the steps to take to set up a Twitter business presence which will enable organizations to leverage the power of real-time marketing, optimize and manage an account, and find and follow influencers and leads.

Repeatable.

**WKFP 583  EVALUATING AND MONITORING PERFORMANCE OF YOUR GLOBAL TEAM**

(Formerly NCTE583)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the steps to take to set up a Twitter business presence which will enable organizations to leverage the power of real-time marketing, optimize and manage an account, and find and follow influencers and leads.

Repeatable.
WKFP 775  PLANNING YOUR NEXT CAREER  0
(Formerly NCTE775)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Designed for older adults who wish to explore new work and career opportunities. Students develop work-related goals, examine their work histories, identify marketable employment skills, and identify local employment resources and supports.
Repeatable.
ACSK 500  GED TEST PREPARATION 0
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

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.

AUTO BODY TECHNOLOGY

ABOD 570  AUTO BODY REPAIR I 0
(Formerly ATCH570)
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 automotive body repair industry. Repeatable.

ABOD 571  ADVANCED AUTO BODY 0
(Formerly ATCH571)
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.

ABOD 575  AUTOMOTIVE PAINTING 0
(Formerly ATCH575)
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.

ABOD 577  ADVANCED AUTOMOTIVE PAINTING 0
(Formerly ATCH577)
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.

BASIC SKILLS HIGH SCHOOL

BSHS 404  NONCREDIT BASIC SKILLS BIOLOGY 0
(Formerly HSD404 and NABE404)
4.00 - 8.00 hours per week: (4.00 - 8.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Designed to introduce students to 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. Repeatable

BSHS 405  NONCREDIT BASIC SKILLS ENGLISH 0
(Formerly NABE405)
4.00 - 8.00 hours per week: (4.00 - 8.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Introduces skills in language arts. Develops skills through active reading of literary and informational texts, academic language development of text-embedded vocabulary, oral language practice, and writing of informational argumentative, synthetic, and narrative pieces. Provides practice with critical thinking, comprehension, and application skills through thematic units centered on topics such as plot and conflict, themes and symbols, argument and persuasion, and drama.
Repeatable

BSHS 406  NONCREDIT BASIC SKILLS ECONOMICS 0
(Formerly HSD406 and NABE406)
4.00 hours per week: (4.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

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. Repeatable

BSHS 407  NONCREDIT BASIC SKILLS WORLD HISTORY 0
(Formerly HSD407 and NABE407)
4.00 - 8.00 hours per week: (4.00 - 8.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

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. Develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts.
Repeatable
BSHS 408  NONCREDIT BASIC SKILLS U.S. HISTORY  0
(Formerly HSD408 and NABE408)
4.00 - 8.00 hours per week: (4.00 - 8.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
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.
Repeatable

BSHS 409  NONCREDIT BASIC SKILLS ALGEBRA I  0
(Formerly HSD409 and NABE409)
4.00 - 8.00 hours per week: (4.00 - 8.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
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. The range of problem solving situations allow for the development of algebraic skills and concepts.
Repeatable

BSHS 410  NONCREDIT BASIC SKILLS ALGEBRA II  0
(Formerly HSD410 and NABE410)
4.00 - 8.00 hours per week: (4.00 - 8.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
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.
Repeatable

BSHS 411  NONCREDIT BASIC SKILLS GEOMETRY  0
(Formerly HSD411 and NABE411)
4.00 - 8.00 hours per week: (4.00 - 8.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Focuses 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.
Repeatable

BSHS 412  NONCREDIT BASIC SKILLS POLITICAL SCIENCE  0
(Formerly HSD412 and NABE412)
4.00 hours per week: (4.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
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.
Repeatable

BSHS 414  NONCREDIT BASIC SKILLS SPANISH I  0
(Formerly HSD414 and NABE414)
4.00 - 8.00 hours per week: (4.00 - 8.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Focuses on reading, writing, speaking and understanding standard Spanish at a basic level. Acquiring basic vocabulary 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.
Repeatable

BSNC 500A GED PREPARATION A  0
1.00 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.00 - 3.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides a review of basic skills and prepares students for the computerized General Education Development (GED) Test. The course focuses on the computer and technical skills needed for basic skills preparation and to study for the GED. Presents the core knowledge and skills needed to pass each of the four content areas of the GED: Language Arts, Mathematics, Science, and Social Studies.
Repeatable

BSNC 500B GED PREPARATION B  0
1.00 - 3.00 hours per week: (0.00 - 0.00 lecture hours/1.00 - 3.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides a review of basic skills and prepares students for the computerized General Education Development (GED) Test. Focuses on test taking strategies to be successful on the GED exam. Presents the core knowledge and skills needed to pass each of the four content areas of the GED: Language Arts, Mathematics, Science, and Social Studies.
Repeatable

CSS 099  NON-CREDIT SUPERVISED TUTORING  0
(Formerly ACSK099)
4.00 hours per week: (4.00 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

CSS 758  GRAMMAR STRATEGIES  0
2.00 hours per week: (2.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Focuses on sentence structure, punctuation, and common errors in writing. Provides extensive practice in grammar usage to improve writing effectiveness and reading comprehension. Instruction is contextualized through student reading and writing assignments.
Repeatable

CSS 768  TUTOR TRAINING: SELECTED TOPICS  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
CNET 735  COMPUTER SYSTEM SECURITY  0
6.00 hours per week: (3.00 lecture hours/3.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: CNET 253
Introduces fundamental concepts involved with upgrading and repairing personal computers such as basic server hardware and mobile computing devices. The course will also discuss topics covered in the A+ computer service technician certification. Additional material covered in this course will include: internal computer operation, operating systems, primary and secondary storage methods, adapter cards, computer connectivity, and power supplies.
Repeatable.

CNET 753  COMPUTER TECHNICIAN FUNDAMENTALS  0
5.00 hours per week: (2.00 lecture hours/3.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: EET 213
Introduces fundamental concepts involved with upgrading and repairing personal computers such as basic server hardware and mobile computing devices. The course will also discuss topics covered in the A+ computer service technician certification. Additional material covered in this course will include: internal computer operation, operating systems, primary and secondary storage methods, adapter cards, computer connectivity, and power supplies.
Repeatable.

CNET 760  NETWORKING FUNDAMENTALS  0
3.50 hours per week: (2.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: CNET 253
Introduces the TCP/IP networking protocols, network topologies and media, and internet working devices. The course will include hands on practice in the following areas: 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.
Repeatable.

CNET 761  ROUTER THEORY AND TECHNOLOGY  0
3.50 hours per week: (2.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: CNET 760
Introduces dynamic routing and packet switching concepts, routing tables, interface configuration, IPv4 and IPv6 addressing schemes, and network security (IPSec) protocols. Configuration and trouble-shooting activities will focus on IPSec (data encryption and security), OSPF (Open Shortest Path First), and EIGRP (Enhanced Interior Gateway Routing Protocol).
Repeatable.
ECOL 412  BRAIN LONGEVITY: WAYS TO PRESERVE AND RESTORE MEMORY ADULTS 50+  
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)  
Noncredit  
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.

ECOL 414  ART: DRAWING  
1.00 - 3.00 hours per week: (1.00 - 3.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Introduces basic drawing as well as exploration of a variety of drawing materials and applications which will guide the student in using technique and observation skills in creative endeavors. Advanced approaches will be introduced as student skills expand. This course is designed for adults over 50.  
Repeatable.

ECOL 415  YOGA  
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Introduces yoga practice to promote balance, muscle strength and stamina, which are performed at each student’s ability. Through demonstration and explanation this class introduces poses, breathing, body alignment and relaxation techniques. Students will discover how yoga promotes wellness, reduces stress and heals. Designed for adults 50+.  
Repeatable.

ECOL 417  LAWS AND PROGRAMS AFFECTING ADULTS 50+  
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 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.

ECOL 418  ADVENTURES IN READING FOR ADULTS 50+  
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.

ECOL 420  FINANCE: WILLS AND TRUSTS  
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Introduces 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.

ECOL 421  GREAT LITERATURE: SELECTED READING  
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.

ECOL 423  ART: WATERCOLOR  
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Introduces watercolor fundamentals as well as using and caring for materials, color mixing and application techniques, design and composition, and developing personal creativity. Advanced Approaches will be introduced as student skills expand. This course is designed for adults over 50.  
Repeatable.

ECOL 424  ART: PAINTING  
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Introduces fundamentals of painting. This includes knowledge and care of materials, color mixing and characteristics, brush applications, composing, finishing and evaluation of art of various subjects. Advanced approaches will be introduced as student skills expand. This course is designed for adults over 50.  
Repeatable.

ECOL 425  ART APPRECIATION  
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Presents an historical overview of art in all its dimensions, from prehistory to the present. This course focuses on the fundamentals and aesthetics of the visual arts, as well as the major developments that shaped the evolution of art. Each class will focus on a significant artist, movement, genre or time period and will explore the history, culture and humanity present in the art. Designed for adults over 50.  
Repeatable.

ECOL 427  CREATIVE COOKING AND HEALTH EATING  
1.00 - 3.00 hours per week: (1.00 - 3.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-credit Course  
Presents healthful 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 using fresh food from local markets. Designed for adults 50+.  
Repeatable.

ECOL 428  FILM APPRECIATION  
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.

ECOL 429  PHOTOGRAPHY: EQUIPMENT AND TECHNIQUES FOR ADULTS 50+  
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.

ECOL 433 SENIOR SEMINAR 0
0.50 - 3.00 hours per week: (0.50 - 3.00 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 in areas such as health, culture, philosophy, psychology, economy, science, history, literature, current events, consumer awareness and finance. In a setting that encourages dialogue and interaction each class presents a specific subject or issue of interest to the older adult.

Repeatable.

ECOL 434 EXPLORATION IN ART 0
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)
Noncredit
Non-credit Course
Encourages art appreciation, self-expression and creativity in a variety of art media. Projects give students experience with different creative traditional and/or nontraditional artistic methods, design techniques, tools and materials. Each class will focus on specific media and projects. Designed for adults 50+.

Repeatable.

ECOL 439 COMPUTER BASICS 0
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 lab hours)
Noncredit
Non-credit Course
Introduces computer basics including machine functions, keyboard use, fundamental word processing, spreadsheets, presentations, email and web browsing. Designed for the adult 50+.

Repeatable.

ECOL 470 ADAPTED EXERCISE 0
2.00 hours per week: (0.00 lecture hours/2.00 lab hours)
Noncredit
Non-credit Course
Promotes maintenance of the physical and mental well-being of the 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.

ECOL 471 MUSIC ARTS 0
2.00 hours per week: (0.00 lecture hours/2.00 lab hours)
Noncredit
Non-credit 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 engage with variety of music.

Repeatable.

ECOL 472 CREATIVE ARTS 0
2.00 hours per week: (0.00 lecture hours/2.00 lab hours)
Noncredit
Non-credit Course
Provides physical and mental stimulation through engagement with a variety of art media. Designed for older adults, project encourage expression and appreciation of art through 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.

ECOL 473 FUN WITH FOOD 0
2.00 hours per week: (0.00 lecture hours/2.00 lab hours)
Noncredit
Non-credit Course
Presentation of a large variety of food topics and activities related to the health and well being of the older adult. Diverse topics of interest such as personal experiences and cultural traditions, nutrition, consumerism, entertaining, and health and safety will be discussed. Repeatable.

ECOL 474 REMINISCING 0
2.00 hours per week: (0.00 lecture hours/2.00 lab hours)
Noncredit
Non-credit Course
Presents various topics as a basis for reminiscing about life experiences and for recalling cultural and historical events that marked one’s life.

Repeatable.

ENGLISH AS A SECOND LANGUAGE

ESL 701 INTRODUCTION TO LITERACY 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.

ESL 702 LITERACY 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.

ESL 703 BEGINNING-LOW INTEGRATED SKILLS 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 beginning level.

Repeatable.

ESL 704 BEGINNING-HIGH INTEGRATED SKILLS 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.

ESL 705 INTERMEDIATE INTEGRATED SKILLS 0
4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-credit Course
Advisories: ESL 704 with a minimum grade of P or better ESL placement test

Develops reading, writing, listening and speaking skills at the high-intermediate level.

Repeatable.

**ESL 706 HIGH-INTERMEDIATE INTEGRATED SKILLS** 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.

**ESL 707A U.S. CITIZENSHIP, LEVEL 1** 0
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: ESL 702; or Placement into ESL 703 or higher
Introduces the U.S. Citizenship and Immigration Services application process. Focuses on building beginning level speaking and listening skills through study of U.S. history, government, and constitution.

Repeatable.

**ESL 707B U.S. CITIZENSHIP, LEVEL 2** 0
3.00 hours per week: (3.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: ESL 704 or Placement to ESL 705 or higher
Prepares students for the U.S. Citizenship written and oral test. Focuses on building intermediate to advanced level speaking, listening, reading, and writing skills in the content areas of U.S. history, government, and constitution.

Repeatable 99.

**ESL 713 BEGINNING INTEGRATED SKILLS** 0
4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: ESL Placement Test
Develops reading, writing, listening and speaking skills at the beginning level.

Repeatable.

**ESL 714 LOW INTERMEDIATE INTEGRATED SKILLS** 0
4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: ESL 704 with a minimum grade of P or better ESL Placement Test
Develops reading, writing, listening and speaking skills at the low-intermediate level.

Repeatable.

**ESL 715 HIGH INTERMEDIATE INTEGRATED SKILLS** 0
4.50 - 6.00 hours per week: (4.50 - 6.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Advisories: ESL 705 with a minimum grade of P or better ESL Placement Test
Develops reading, writing, listening, and speaking at the high-intermediate level.

Repeatable.

**ESL 725 ESL CONVERSATION, INTERMEDIATE** 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.

**ESL 735 ESL CONVERSATION, HIGH INTERMEDIATE** 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 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.

**ESL 743 ACADEMIC GRAMMAR, INTERMEDIATE** 0
(Formerly ESL043)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-credit Course
Advisories: ESL 704 or qualifying score on the ESL placement test
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.

Repeatable.

**ESL 744 ACADEMIC GRAMMAR, HIGH-INTERMEDIATE** 0
(Formerly ESL044)
2.00 - 3.00 hours per week: (2.00 - 3.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-credit Course
Advisories: ESL 743 or qualifying score on the ESL placement test
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.

Repeatable.

**ESL 779 COLLEGE AND CAREER FOUNDATIONS** 0
4.00 - 6.00 hours per week: (4.00 - 6.00 lecture hours)
Noncredit
Non-Credit Gradeable Course/SP
Develops language and critical thinking skills for non-native English language learners at the advanced level. Provides instruction in reading and paragraph writing, focusing on the writing process as well as grammar and sentence structure. Integrates digital literacy skills and civics education with an emphasis on goal setting and academic study strategies.

Repeatable.
ESL 799  ADVANCED READING AND WRITING  0  
4.00 - 6.00 hours per week: (4.00 - 6.00 lecture hours/0.00 - 0.00 lab hours) 
Noncredit 
Non-Credit Gradeable Course/SP 
Advisories: ESL 706: HIGH INTERMEDIATE INTEGRATED SKILLS with a minimum grade of P or better or ESL 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 and other college coursework. 
Repeatable.

HOSP 700  INTRODUCTION TO HOSPITALITY  0  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours) 
Noncredit 
Non-credit Course 
Provides a detailed overview of structure and financial performance of the hospitality and tourism industry. Topics include career paths, lodging and lodging operations, restaurants and restaurant operations, cruising, managed services, beverages, clubs, theme parks and attractions, gaming entertainment, meeting planning and special events. Topics incorporate sustainability, ethics, trends, leadership and customer service, cultural/economic trends and career opportunities. 
Repeatable.

HOSP 725  HOSPITALITY LAW  0  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours) 
Noncredit 
Non-credit Course 
Examines federal, state, and local laws applicable to the operation of food and lodging enterprises are discussed, as well as practical approaches to spotting and solving legal issues. The innkeeper/guest relationship will be explored from a legal standpoint. Emphasis will be on recognizing potential legal concerns and implementing preventative measures. 
Repeatable.

HOSP 730  INTRODUCTION TO FOOD AND BEVERAGE MANAGEMENT  0  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours) 
Noncredit 
Non-credit Course 
Explores and develops techniques and procedures of management as they relate to commercial and institutional food and beverage facilities. Topics include: functions of management, marketing, menu development, effective cost controls in purchasing, labor and service techniques. 
Repeatable.

HOSP 750  INTRODUCTION TO HOTEL MANAGEMENT  0  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours) 
Noncredit 
Non-credit Course 
Introduces the operating system and components of a hotel-room facility, which includes: front office, housekeeping, food and beverage, sales and marketing, accounting, property maintenance, human resource management and information systems. 
Repeatable.

HOSP 770  HOSPITALITY COST CONTROL  0  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours) 
Noncredit 
Non-credit Course 
Analyzes food, beverage, labor and other costs within a hospitality operation. Emphasizes problem solving, applying cost control techniques to maximize profits while managing expenses. Topics include: establishing standards, cost-value-profit analysis, forecasting, purchasing and storage controls, menu costing and pricing, theft prevention and labor cost controls. 
Repeatable.

MATH 703  ARITHMETIC  0  
3.00 hours per week: (3.00 lecture hours/0.00 lab hours) 
Noncredit 
Non-Credit Gradeable Course/SP 
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. 
Repeatable.

MATH 707  PREALGEBRA  0  
4.00 hours per week: (4.00 lecture hours/0.00 lab hours) 
Noncredit 
Non-Credit Gradeable Course/SP 
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. 
Repeatable.

NONCREDIT ADULTS WITH DISABILITIES

NAWD 701  SKILL BUILDING FOR WORK AND COMMUNITY LIFE  0  
(Formerly NCTE701) 
0.50 - 6.00 hours per week: (0.00 - 6.00 lecture hours/0.50 - 6.00 lab hours) 
Noncredit 
Non-credit Course 
Provides adults with basic skills to maximize their social, vocational and educational potential, while increasing capacity and facilitating greater community integration. Students progress under multi-modal instruction with instructor support geared to promote self-determined and independent lives. 
Repeatable.

NAWD 705  TRANSITION READINESS PREPARATION  0  
(Formerly NCTE705) 
1.50 - 3.00 hours per week: (0.00 - 3.00 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.

NAWD 710  EMPLOYABILITY SKILLS  0  
(Formerly NCTE710) 
3.00 - 6.00 hours per week: (0.00 - 6.00 lecture hours/3.00 - 6.00 lab hours) 
Noncredit 
Non-Credit Gradeable Course/SP 
Provides students with fundamental job exploration and work-
place 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.

**NAWD730 WELLNESS ARTS FOR WORK AND COLLEGE SUCCESS**

(Formerly NCTE730)
3.00 hours per week: (1.50 lecture hours/1.50 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.

**PDS 562 INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING**

(Formerly BUS562)
2.00 hours per week: (1.00 lecture hours/1.50 lab hours)
Noncredit
Non-credit Course

Prerequisites: NCTE 520

**NCTE 525 BAKING AND BAKING SCIENCE I**

2.00 hours per week: (0.50 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

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.

**NCTE 713 FOOD SAFETY AND SANITATION**

1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

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 handler’s responsibility in maintaining high sanitation and safety standards.

**PDS 520A BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING**

(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.

**PDS 520B INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING**

(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 for personal use. Provides the primary purposes of building speed and accuracy and arranging letters, memos, reports, business forms and tables in proper format.

**PDS 520S SPEED AND ACCURACY COMPUTER KEYBOARDING**

(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.

**PDS 562 INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING**

(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.

**NCTE 510 CULINARY ARTS FUNDAMENTALS I**

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.

**NCTE 520 CULINARY ARTS FUNDAMENTALS II**

4.00 hours per week: (1.00 lecture hours/3.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

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.

**NCTE 525  BAKING AND BAKING SCIENCE I**

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

**PDS 520A BEGINNING COMPUTER KEYBOARDING AND DOCUMENT PROCESSING**

(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.

**PDS 520B INTERMEDIATE COMPUTER KEYBOARDING AND DOCUMENT PROCESSING**

(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 for personal use. Provides the primary purposes of building speed and accuracy and arranging letters, memos, reports, business forms and tables in proper format.

**PDS 520S SPEED AND ACCURACY COMPUTER KEYBOARDING**

(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.

**PDS 562 INTRODUCTION TO BEGINNING COMPUTER KEYBOARDING**

(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.
VOCE 500  INTRODUCTION TO HAND-HELD DEVICES  0
(Formerly NCTE500)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces practical use of a variety of handheld computer devices including music players, e-Books, Smartphones, iPads, iTouch, and iPads. The use of common PC and Mac applications to run devices, find tutorials or manuals, and identify useful settings, will also be covered. Information learned in this course will provide tips on how to use handheld devices effectively and observe protocol when determining proper use of these devices in a work environment.
Repeatable

VOCE 501  KEEPING A PC HARD DISK CLEAN AND ORGANIZED  0
(Formerly NCTE501)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Examines how to organize, clean, and optimize a PC hard disk drive to maximize performance. Course topics include techniques for file organization, program removal, garbage identification and the removal of malware, and basic maintenance.
Repeatable

VOCE 502  TECH TALK: WHAT'S NEW COMPUTERS AND TECHNOLOGY?  0
(Formerly NCTE502)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Examines the rapidly evolving technical world and its future. This course will guide students as they explore the many practical questions that arise as computers, cell phones, eBooks, social networks, email, the internet and other technology become more central to our daily lives. This course may be taught bilingually.
Repeatable

VOCE 503  OPTIMIZE AND UPGRADE YOUR PC  0
(Formerly NCTE503)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces a variety of hardware and software tools as well as strategies to improve the productivity and efficiency of PC systems. The course teaches how to optimize the PC's operation and how to upgrade memory, disk drives and other components at a reasonable cost to extend the life of a PC system or design and build an entirely new system. Topics also include how to rid a system of viruses and spyware and how to back up a system and valuable data.
Repeatable

VOCE 504  INSTALLING AND CONFIGURING WINDOWS SERVER  0
(Formerly NCTE504)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the processes of installing and configuring a Windows server. Some of the areas covered will include: configuring storage, configuring print and document services, remote management, IP addressing, and configuring DHCP and DNS Services.
Repeatable

VOCE 505  ADMINISTERING WINDOWS SERVER  0
(Formerly NCTE505)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides an introduction to the skills required to administer Windows servers. Some of the skills to be discussed and practiced in this course include: deploying and managing server images, configuring advanced audit policies, configuring VPN's, configuring DNS zones and records.
Repeatable

VOCE 506  INTRODUCTION TO 3-D PRINTING  0
(Formerly NCTE506)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces fundamental concepts of 3D printing. Topics include: History of 3-D Printing, present and potential developments, best practices, and materials for additive manufacturing applications. This course also identifies sources for 3-D printing and software appropriate for rapid prototyping as well as service and maintenance of 3-D printers.
Repeatable

VOCE 507  PRODUCT DESIGN AND PROTOTYPING WORKSHOP  0
(Formerly NCTE507)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides an overview of the Prototyping and Fabrication methods for Product Design. Presents the knowledge and skills needed to turn design concepts into digital objects and examines multiple fabrication processes. Provides opportunities for hands-on experience using digital tools through visits to industry workshops. Selected software for Product design and Prototyping is also introduced. The emphasis of the course is on 3D modeling with support for 3D printers and fabrication tools.
Repeatable

VOCE 508  PRODUCING A DIGITAL NEWSLETTER  0
(Formerly NCTE508)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Focuses on formatting a newsletter for digital platforms. Guidance will be provided on how to lay out an actual publication of the students own choosing. If the student does not have an actual publication to work with a prototype will be provided.
Repeatable

VOCE 509  PRODUCING A DIGITAL MAGAZINE  0
(Formerly NCTE509)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Focuses on formatting a magazine cover and interior master pages for digital platforms. Guidance is provided on the use of a variety of tools while applying skills to a real-time project.
Repeatable

VOCE 511  DIGITIZING DOCUMENTS  0
(Formerly NCTE511)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces how to create secure forms and interactive documents
for electronic distribution using Adobe Acrobat Pro. Instruction is included on securing forms with passwords and digital signatures. Additional topics include: strategies for good design utilizing industry standard software, conversion to secure PDF forms, creation of interactive fields and calculations.

Repeatable

VOCE 512 PREPARING DIGITAL IMAGES 0
(Formerly NCTE512)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces pixels, the building blocks for digital images, and how they relate to image size and resolution. Discusses how the "intent" (print, web, digital documents) determines the size and resolution. Provides instruction how to use Photoshop to perform basic photo editing and re-touching.

Repeatable

VOCE 513 INTRODUCTION TO ADOBE ACROBAT TOOLS 0
(Formerly NCTE513)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides instruction in how to download PDFs from the web and share them as emails. Explains what PDFs actually are and how they make our lives easier. This course demonstrates the basics of working with PDFs including: how to create, combine, edit, export, review, annotate, comment and share documents.

Repeatable

VOCE 514 ADVANCED APPLICATIONS OF ADOBE ACROBAT 0
(Formerly NCTE514)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides instruction in how to streamline workflow and eliminate paper as additional Adobe Acrobat skills are learned. This course demonstrates the use of PDF's to convert paper documents into digital archives, combine documents from various applications into one cohesive file or portfolio, add interactivity to manuals and newsletters, and create interactive forms for easy data collection.

Repeatable

VOCE 516 HIGH IMPACT PRESENTATIONS AND PROPOSALS FOR THE WORK PLACE 0
(Formerly NCTE516)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the best approach to craft a presentation focused on the message you need to convey to your audience. Instruction is focused on how to consider the audience's expectations, biases, emotions, needs and wants when planning a slideshow. Course topics will explore the logical order to convey your information, what makes for a successful slide design, how to maintain consistency, how to edit for simplicity and how to use powerful imagery and meaningful data.

Repeatable

VOCE 517 BASIC POWERPOINT 0
(Formerly NCTE517)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Identifies approaches to turn facts, figures and photos into a creative display of slides, outlines, graphs, and multimedia using Microsoft PowerPoint. Instruction is provided in the basics of presentation design and how to use templates, insert graphics, add animation, rehearse timings, and run and share a presentation.

Repeatable

VOCE 518 ONLINE RESEARCH SKILLS 0
(Formerly NCTE518)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Teaches advanced internet search skills to yield relevant, credible sources. The course will provide instruction in how to locate, evaluate, and organize information sources to create a research pathway that will inform others and demonstrate their research expertise.

Repeatable

VOCE 519 PRESENTING RESEARCH WITH INFOGRAPHICS 0
(Formerly NCTE519)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Examines data visualization to communicate information clearly and efficiently. Instruction is provided in how to locate, evaluate, and organize information to create infographics that will inform others and demonstrate their research expertise.

Repeatable

VOCE 523 INTRODUCTION TO ITUNES, IPODS, AND IPADS 0
(Formerly NCTE523)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Presents how to use MP3 players and hand-held computers. Focuses on iPods, iPod Touch, and iPads. Instruction is provided on how to download music, videos, and podcasts to a computer. Topics include the applications available on iDevices, such as calendars, contacts, and games.

Repeatable

VOCE 524 LIVING THE ILIFE 0
(Formerly NCTE524)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Explores how to use Apple's iLife suite of programs iPhoto, iMovie HD, iDVD, Garage Band, and iWeb-to produce and distribute creative ideas through words, pictures, music or video.

Repeatable

VOCE 526 MICROSOFT OFFICE FOR THE MAC 0
(Formerly NCTE526)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Focuses on Microsoft Office for the MAC. Instruction is provided in how to download music, videos, and podcasts to a computer. Topics include: MS Word (Word Processing), Excel (Spreadsheet), PowerPoint (multi-media/graphics/slides), and Outlook (mail/calendar/contacts).

Repeatable

VOCE 534 ADOBE LIGHTROOM ESSENTIALS 0
(Formerly NCTE534)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the basics of the Lightroom Software and how to both manage libraries of files and increase the quality of photographs and videos using editing techniques.

Repeatable

VOCE 536 PHOTOSHOP FOR IMAGING 0
(Formerly NCTE536)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
SECTION 3B: PAGE 11

VOCE 558  BEST BUSINESS APPS  0
(Formerly NCTE558)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces a variety of apps that provide powerful and helpful tools for keeping track of, or handling all of the information you accumulate in a day. Course discussion will include apps for: tracking projects, research, emails, to-dos, follow-ups and more. Course material will help students to choose, install and sync apps with your different technology to help you become more successful and productive in the workplace.
Repeatable

VOCE 559  INTRODUCTION TO GOOGLE DRIVE  0
(Formerly NCTE559)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides different methods to effectively use Google Drive as a powerful Cloud resource for organization of files, collaboration with coworkers, and promoting going paperless. Course discussion will include: various types of drive storage, Sheets, and Slides.
Repeatable

VOCE 560  THE BEST CLOUD BACKUP OPTIONS TO PROTECT YOUR DATA  0
(Formerly NCTE560)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides instruction in effectively using the Cloud to protect data from fire, theft, and / or hardware failure. Also provides instruction on how to take advantage of the anytime access to data that using the Cloud provides. Assessing data needs, choosing the best cloud backup option and creating a backup plan will be some of the areas of discussion.
Repeatable

VOCE 561  INTRODUCTION TO MAC OS X LEVEL 1  0
(Formerly NCTE561)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces a basic understanding of Mac OS. May be taught bilingually.

VOCE 562  INTRODUCTION TO MAC OS X LEVEL 2  0
(Formerly NCTE562)
1.00 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the program features.

VOCE 563  INTRODUCTION TO THE MACINTOSH  0
(Formerly NCTE563)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the basics of Mac OS and some of its most popular programs. Concepts presented include: learning how to make, name, and rename files and folders; find lost files using Find and Spotlight; use of the sidebar and dock; and use of most of the basic program features.
Repeatable

VOCE 564  INTERACTIVE INFORMATIVE DESIGN FOR THE SCREEN  0
(Formerly NCTE564)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Explores the potential of coding used for interactive designs. The course will focus on providing a strong foundation in basic coding structures, the application of design principals, and the analysis of visualization styles.
Repeatable

VOCE 565  INTRODUCTION TO MAC OS X LEVEL 1  0
(Formerly NCTE565)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the basics of Mac OS and some of its most popular programs. Concepts presented include: learning how to make, name, and rename files and folders; find lost files using Find and Spotlight; use of the sidebar and dock; and use of most of the basic program features.
Repeatable

VOCE 566  INTRODUCTION TO MAC OS X LEVEL 2  0
(Formerly NCTE566)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the basic fundamental skills needed to write HTML. Participants will gain an understanding of HTML as well as how to use Structural tags and semantic markup. Skills taught in this course will enable participants to turn a design created in Photoshop into a fully functioning website in Dreamweaver.
Repeatable

VOCE 567  WEB DESIGN BASICS  0
(Formerly NCTE567)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces methods used to structure website content to create a positive user experience. This course will introduce website design methods that result in websites that are easy to use and efficient. This course will be taught from the perspective of using Dreamweaver's Fluid Grid layout framework.
Repeatable

VOCE 568  WEB CODING FUNDAMENTALS  0
(Formerly NCTE568)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the basic tools and techniques in Photoshop that lie behind great images and graphics in web design. Includes the fundamental concepts and techniques for working with type in Photoshop, UI elements, web graphics, wireframes, and functional mockups that transition beautifully and easily to production with Photoshop. Incorporates principles of design such as contrast, uni-
VOCE 594  SEARCHING THE WEB  0
(Formerly NCTE594)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Defines the internet and provides navigational tools necessary to search the Web effectively in order to obtain desired information. Introduces techniques and methods used to narrow search results.
Repeatable

VOCE 595  E-MAIL FOR BEGINNERS  0
(Formerly NCTE595)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides a basic introduction to e-mail, including how e-mail works and its uses, setting up an e-mail account, reading and sending e-mail, and managing attachments.
Repeatable

VOCE 596  OPTIMIZING PHOTOS FOR THE INTERNET AND EMAIL  0
(Formerly NCTE596)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces manipulation of photos for efficient e-mailing or uploading to the internet. Using Adobe Photoshop or other graphic editing software, instruction will be given in how to crop, color-correct, apply text and effects, sharpen, resample, and save files in the appropriate formats for maximum quality and efficiency when emailing or posting to the internet. This course develops photo editing and basic internet skills for business or personal use.
Repeatable

VOCE 597  COMPUTERS FOR BEGINNERS  0
(Formerly NCTE597)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Designed for students with limited experience with computers, this course introduces how to perform basic computer tasks. Includes how to turn a computer on and off correctly, send and receive email, navigate the internet, open and save a file, and use computer terminology. Course may be taught bilingually.
Repeatable

VOCE 598  HOW TO USE A COMPUTER KEYBOARD AND MOUSE FOR BEGINNERS  0
(Formerly NCTE598)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides an orientation to the computer keyboard and mouse, including the layout and function of special computer keys, properly holding the mouse, and practice in using the mouse. No previous typing or computer experience required.
Repeatable

VOCE 599  INTRODUCTION TO WINDOWS  0
(Formerly NCTE599)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the Windows Operating System. Instructor-led guided exploration includes Help, windows navigation and management, file management, desktop customization, and other Windows Operating System tools and applications.
Repeatable

VOCE 600  WINDOWS BASICS  0
(Formerly NCTE600)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the Windows Operating System in a slow-paced environment. Instructor-led guided exploration activities will include Help, windows navigation and management, file management, desktop customization, and other Windows Operating system tools and applications.
Repeatable

VOCE 601  LEARN TO TYPE  0
(Formerly NCTE601)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides instruction in correct finger and wrist placement, and keyboard reaches for typing and texting. Refreshes skills in keyboarding, increases speed, and provides techniques and strategies to prevent carpal tunnel syndrome. Individualized instruction allows students to work at own pace. May be taught bilingually.
Repeatable

VOCE 602  PHOTOSHOP  0
(Formerly NCTE602)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces Photoshop for the PC and Mac. The class presents a solid foundation in basic tools and techniques for creating, enhancing, and collaging images. Skills will be taught and practiced in a lab setting. This course may be taught bilingually.
Repeatable

VOCE 603  PHOTOSHOP FOR DIGITAL PHOTOGRAPHERS  0
(Formerly NCTE603)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Illustrates the capabilities of Photoshop for the PC and Mac. Topics will include, advanced layering and retouching techniques. Practice in a lab setting will reinforce concepts presented through lecture and demonstration. Familiarity with Photoshop on the PC or Macintosh recommended. This course may be taught bilingually.
Repeatable

VOCE 604  INTRODUCTION TO ADOBE ILLUSTRATOR  0
(Formerly NCTE604)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the basics of Adobe Illustrator. Skills taught will include creating illustrations, logos, and more. Effective use of tools will be demonstrated, and projects will be assigned to ensure hands on practice in all key areas.
Repeatable

VOCE 605  DIGITAL CAMERAS, DIGITAL PHOTOS  0
(Formerly NCTE605)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the basics of photography, the features of digital cameras, how to take better digital photos, and how to correct common photo problems using photo editing software. The course is...
designed for beginners or students with some experience in digital photography. Students should bring cameras and sample digital pictures to class.

Repetable

**VOCE 606** DIGITAL DESIGN TECHNIQUES
(Formerly NCTE606)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the skills which are needed to create flyers, brochures, logos, and more using Illustrator, Photoshop, and InDesign. Examines how the programs work together to seamlessly combine photos, graphics, and page layouts to produce high quality products. This course may be taught bilingually.

Repetable

**VOCE 607** INTRODUCTION TO DREAMWEAVER
(Formerly NCTE607)
1.50 hours per week: (0.00 lecture hours/1.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the basic skills necessary to use Dreamweaver to create a professional Website. Provides hands on practice integrating Dreamweaver, HTML, and CSS. Basic knowledge of PC or Mac and internet navigation skills recommended.

Repetable

**VOCE 608** BASIC WORD PROCESSING
(Formerly NCTE608)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides instruction in successfully navigating the computer screen and composing and editing a short document. Class pace allows students to become comfortable with the computer and editing techniques.

Repetable

**VOCE 609** BASIC OUTLOOK
(Formerly NCTE609)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces skills which are needed to stay up to date at home and at work through the use of Microsoft Outlook. Covers the basics of how to connect with colleagues, customers, family and friends. Topics include writing and searching email, organizing work tasks, and using the calendar to share information with others.

Repetable

**VOCE 610** BASIC SPREADSHEETS FOR BEGINNERS
(Formerly NCTE610)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces basic concepts and functions of Microsoft Excel. Topics include the basics of creating a spreadsheet, using formulas and functions, and creating charts.

Repetable

**VOCE 611** INTRODUCTION TO MS EXCEL
(Formerly NCTE611)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the basic concepts and characteristics of Microsoft Excel. Course topics will explore various uses of spreadsheets. Topics covered include the basics of creating a spreadsheet, using formulas and functions, creating charts, and using the database feature in Microsoft Excel.

Repetable

**VOCE 612** INTRODUCTION TO MS WORD
(Formerly NCTE612)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces key functions and skills which are used for document creation in Microsoft Word. Includes entering text, doing revisions, formatting, previewing, and printing. Provides practice through the use of a variety of instructor assigned documents.

Repetable

**VOCE 615** FOSTER YOUTH CHILD ADVOCATE 1
(Formerly NCTE615)
0.50 - 1.00 hours per week: (0.50 - 1.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-credit Course
Prepares participants to be volunteers as a Court Appointed Special Advocate (CASA) by taking the first of two courses for certification. Course will cover the basic roles and responsibilities of volunteering as a child advocate, basic child development concepts, and the importance of effective communication. Individuals who complete this course may choose to use their new knowledge and skills with a variety of organizations including CASA.

Repetable

**VOCE 616** FOSTER YOUTH CHILD ADVOCATE 2
(Formerly NCTE616)
0.50 - 1.00 hours per week: (0.50 - 1.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-credit Course
Prepares participants to be volunteers as a Court Appointed Special Advocate (CASA) by taking the second of two courses for certification. Course will cover the basic roles and responsibilities of volunteering as a child advocate, basic child development concepts, and the importance of effective communication. Individuals who complete this course may choose to use their new knowledge and skills with a variety of organizations including CASA.

Repetable

**VOCE 720** GREEN BUSINESS CERTIFICATION
(Formerly NCTE720)
0.50 - 2.00 hours per week: (0.50 - 2.00 lecture hours/0.00 - 0.00 lab hours)
Noncredit
Non-credit Course
Introduces standards and practices in Green Business in California and the methods through which a business can achieve and certify those standards. Explores the business and environmental reasons for modifying practices and presents the areas of the certification assessment.

Repetable

**VOCE 725A** CALIFORNIA CONSERVATION AWARENESS- AN INTRODUCTION
(Formerly NCTE725A)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides students with an overview of the concepts and current status of biological conservation of California ecosystems. This course explores the biodiversity, food web interactions, natural resources and ecosystem services within the redwood/coastal, chaparral/oak woodland, Sierra/pine, and urban systems, with emphasis placed on their status, impacts and solutions. This course is designed to benefit to those actively participating in hands-on conservation efforts throughout the state.

Repetable
### VOCE 725B  CALIFORNIA CONSERVATION EMPLOYMENT  0
(Formerly NCTE725B)  
2.00 hours per week: (1.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Provides students seeking employment in conservation-related fields with an overview of the safety, workplace, job search and preparation skills through local and regional employment opportunities.

### VOCE 780  TRANSFER SKILLS TRAINING FOR CAREGIVERS AND MEDICAL PROFESSIONALS  0
(Formerly NCTE780)  
0.50 - 1.00 hours per week: (0.00 - 0.00 lecture hours/0.50 - 1.00 lab hours)  
Noncredit  
Non-credit Course  
Presents evidence-based approaches to transferring patients with a variety of diagnoses and conditions. This course covers the biomechanics of lifting, basic anatomy of the back, fall prevention and basic transfer techniques, including techniques specific to particular conditions. Students will demonstrate transfer skills presented in the class, thus developing increased safety and efficiency for both the patient and the caregiver.  
Repeatable.

### 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.

#### 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.

### WORKFORCE PREPARATION

#### WKFP 500A WORKPLACE READINESS FUNDAMENTALS A  0
(Formerly NCTE500A)  
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 - 0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Introduces fundamentals of career exploration and planning. Students develop a personal identity profile in relation to job and career clusters characteristics and local job opportunities to establish an education and career plan.  
Repeatable.

#### WKFP 500B WORKPLACE READINESS FUNDAMENTALS B  0
(Formerly NCTE500B)  
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 - 0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Introduces fundamentals of job search skills. Prepares students to
implement steps involved in obtaining employment and develop a personal budget.  
Repeatable.

**WKFP 501A WORKPLACE STANDARDS A**  
(Formerly NCTE501A)  
0.50 - 3.00 hours per week: (0.50 - 3.00 lecture hours/0.00 - 0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Introduces fundamentals of workplace standards in employability skills. Students will identify and apply basic employability skills needed to be successful in the workplace.  
Repeatable.

**WKFP 515 SUCCESSFULLY MANAGING AND DEVELOPING PEOPLE**  
(Formerly NCTE515)  
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Develops the skills needed to be an effective manager or supervisor. Topics covered include: adapting your management style to every situation, communicating effectively, developing your employees through delegation, managing conflict, motivating staff, and facilitating change.  
Repeatable.

**WKFP 521 CLOSING TECHNIQUES THAT WIN THE SALE**  
(Formerly NCTE521)  
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Introduces basic concepts needed to effectively close sales. Provides information on the appropriate use of different types of sales approaches, and discussion on when each different approach is most effective.  
Repeatable.

**WKFP 522 WINNING SALES SCRIPTS**  
(Formerly NCTE522)  
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Introduces techniques for successful “inside” sales where persons contact perspective buyers using phone and email. Includes script writing to increase the effectiveness of “inside” sales in order to maximize this revenue source.  
Repeatable.

**WKFP 527 WORKPLACE COMMUNICATION STRATEGIES**  
(Formerly NCTE527)  
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Introduces new assessment skills to empower the student to optimize their current workplace communications. The skills introduced in this course help students to differentiate content, emotions, perceptions, and intentions in interpersonal communications.  
Repeatable.

**WKFP 528 DIFFICULT CONVERSATIONS**  
(Formerly NCTE528)  
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Develops skills needed for difficult conversations. Topics include: how to clarify intentions and assumptions, simple methods to stay centered while having difficult conversations, and how to constructively shape conversations to achieve desired results. The course also provides scripts and tips that can be used to prepare for future difficult conversations.  
Repeatable.

**WKFP 529 BUSINESS WRITING IN A TECHNOLOGICAL WORLD**  
(Formerly NCTE529)  
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Introduces and develops effective and professional business writing skills. Emphasis is on using proper business tone, organization, formatting, word choice, and persuasion. Additionally, concepts for effectively matching content to delivery method will be presented and discussed. A variety of scenarios will be studied including how to the most effective methods to deliver bad news.  
Repeatable.

**WKFP 530 WORKPLACE POLITICS**  
(Formerly NCTE530)  
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Introduces constructive political behavior to create more win-win situations, unblock barriers to change, create greater “buy-in” on key projects, develop cohesion and improve decision making.  
Repeatable.

**WKFP 531 RESOLVING DIFFERENCES IN THE WORKPLACE**  
(Formerly NCTE531)  
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Introduces collaboration skills which will help to build high trust relationships. Assesses conflict management skill strengths and weaknesses, and helps strengthen weak areas. These activities will be used throughout the course to help students to strengthen their weak areas. Specific areas to be covered during the course will include but are not limited to: Problem solving with multiple parties, nonverbal communication, and the importance of empathy, active listening, and paraphrasing.  
Repeatable.

**WKFP 532 ASSERTIVE COMMUNICATION**  
(Formerly NCTE532)  
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Enhances assertiveness skills for immediate on the job use. Introduces techniques for assertiveness communications, while acquir ing tools to give and receive feedback where use of professionalism and assertiveness are required.  
Repeatable.

**WKFP 533 EMOTIONAL INTELLIGENCE IN THE WORKPLACE**  
(Formerly NCTE533)  
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)  
Noncredit  
Non-Credit Gradeable Course/SP  
Explores the importance of Emotional Intelligence (EI) as it relates to being an effective and high-performing employee, supervisor and leader. Topics include EI competencies: self-awareness, social awareness, self-management and relationship management. Through hands on activities, students will apply the tools and techniques for mastering each domain. Assists students in the creation of strategies using the EI framework which can optimize their professional performance and working relationships.  
Repeatable.
WKFP 537  BEST PRACTICES IN CUSTOMER SERVICE  0
(Formerly NCTE537)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Applies practical strategies to assist in retaining a valuable custom-
er base, diffuse difficult situations and earn repeat business. Topics
include the anatomy of a complaint, regulating verbal and nonver-
bal responses, active listening skills, creative problem solving, cus-
tomer perceptions and expectations, adapting to different conflict
styles, and steps to defuse angry customers.
Repeatable.

WKFP 538  THE ART OF NEGOTIATING AND COLLABORATING  0
(Formerly NCTE538)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Applies collaboration tools for building high-trust synergistic
relationships and analyzing the conflict cycle. Uses practice skills
to diffuse mock situations at each stage of conflict. Skills presented
include re-framing, neutralizing language, discovering of interests,
and leveraging innovative solutions through a collaborative negotia-
tion process.
Repeatable.

WKFP 539  EFFECTIVE COMMUNICATION AND PERSONALITY
STYLES  0
(Formerly NCTE539)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Provides guided exploration of different behaviors and personality
styles, while teaching how to adapt one's behavior to be effective
with a variety of personality styles in a variety of work situations.
Emphasis is placed on dealing with difficult relationships and
communicating in a way that matches the needs of all involved to
achieve relationship satisfaction and organizational objectives.
Repeatable.

WKFP 540  EFFECTIVE COMMUNICATION IN PROMOTIONAL
MARKETING  0
(Formerly NCTE540)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Explores the promotional aspect of marketing and the different com-
unication techniques used to raise customer awareness and in-
terest. Emphasis is placed on how to identify the mediums that will
be most effective to a targeted market. Both business-to-customer
and business-to-business strategies will be covered. Techniques dis-
cussed can be applied towards various careers such as sales, public
relations, copywriting, and other marketing positions.
Repeatable.

WKFP 541  MANAGING A MARKETING CAMPAIGN  0
(Formerly NCTE541)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Focuses on the research, planning, execution, and evaluation of
a marketing campaign. Examines the specific activities used to
promote products, services, and businesses. Multiple mediums
that carry the message of the marketing campaign will be covered.
Explores how companies use marketing campaigns to reinforce
branding and positioning.
Repeatable.

WKFP 542  SELF-MANAGEMENT AND DEVELOPMENT  0
(Formerly NCTE542)
1.00 hours per week: (1.00 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Focuses on self-management skills that encourage behavior re-
sulting in the achievement of personal and professional goals. This
include activities that improve awareness and identify, develop
talents and potential, build human capital, facilitate employability,
enhance quality of life, and contribute to the realization of dreams
and aspirations.
Repeatable.

WKFP 543  BUILDING HIGH PERFORMANCE TEAMS  0
(Formerly NCTE543)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Explores and applies key team-building skills for working within or
leading a team. Emphasis is on stages of team development, team
roles, supportive communication climate, meeting strategies, and
tools for first-rate problem solving and decision making. Practical
applications within a team structure is also emphasized.
Repeatable.

WKFP 544  CHANGE IS THE NEW CONSTANT IN THE
WORKPLACE  0
(Formerly NCTE544)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Presents strategies in managing the continual changes taking place
in the workplace. Provides practice in identifying opportunities
for change, initiating change, and how to support staff during the
change process.
Repeatable.

WKFP 546  COACHING TO IMPROVE MANAGERIAL
EFFECTIVENESS  0
(Formerly NCTE546)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Presents coaching techniques to solve workplace problems, en-
ergize employees, improve performance outcomes, turn around
problem situations, and increase team members overall enthusiasm
and motivation. Skills taught and practiced also help participants
learn to close the gap between actual and desired performance
within their teams.
Repeatable.

WKFP 549  TIME MANAGEMENT  0
(Formerly NCTE549)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Explores time management strategies and tools for effectively
managing expanding workloads, shifting priorities and increasing
demands. Includes practice activities prioritizing "important" versus
"urgent" activities. Emphasis is placed on analyzing current use of
time; identifying organizational goals, roles and priorities; identify-
ing barriers to achieving goals; identifying effective ways to work
around the barriers to complete important priorities.
Repeatable.

WKFP 551  CRITICAL THINKING, PROBLEM SOLVING AND
DECISION MAKING  0
(Formerly NCTE551)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Non-Credit Gradeable Course/SP

Presents a variety of critical thinking concepts from the perspective that today’s workplace functions best when all team members are involved in the process of problem solving and decision making. The process of using analytical thinking to break things down into their component parts will be studied and practiced. Live interactive activities will be used to develop skills which help participants become more efficient with generating new ideas, decision making, and problem solving.

Repeatable.

WKFP 552 BUSINESS BRANDING
(Formerly NCTE552)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Examines processes successful businesses use to identify and implement a branding strategy. Effective methods to respond to existing needs and wants of customers will also be covered. Emphasis will be placed on the use of social media in effective brand building.

Repeatable.

WKFP 553 PROMOTIONAL MARKETING TOOLS
(Formerly NCTE553)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Introduces different types of marketing tools used in the creation and maintenance of product brand awareness development. Strategies presented will include: the use of major marketing tools, public relations techniques, advertising techniques, relationship selling techniques, and the use of social media.

Repeatable.

WKFP 554 MARKETING MAPS
(Formerly NCTE554)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Examines how business success begins with responding to target markets by positioning them in the minds of customers via knowledge of their demographics, psychographics, and geographic information. Presents different methods to effectively identify target markets, and effectively position a business within that market, while also delivering the right message to the right mix of people.

Repeatable.

WKFP 555 MOBILE MARKETING
(Formerly NCTE555)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Presents how mobile marketing encompasses global exchange activities on devices such as smartphones, tablets, and others. Discussions will include how today’s businesses look for customer-based profitability and investment solutions using mobile devices. Effective ways to use these devices to attract, engage, acquire, and retain local and international customers will be one of the focuses of this course.

Repeatable.

WKFP 556 PERSONALIZED CAREER PLANNING
(Formerly NCTE561)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Focuses on the assessment of individuals’ strengths, interests, values, personality and abilities in the context of career and education planning. Guided discussion and activities will help to improve participants decision-making skills by exploring their own decision-making styles and applying specific decision making models to their career-planning process.

Repeatable.

WKFP 562 STRATEGIC JOB SEARCH
(Formerly NCTE562)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Introduces skills and knowledge students need to develop and implement a strategic career and job search plan. Different sources of occupational information and how to utilize this information in the career planning and job search process will be presented and discussed.

Repeatable.

WKFP 563 LINKEDIN FOR BUSINESS
(Formerly NCTE563)
0.50 hours per week: (0.50 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Covers how to use LinkedIn to develop business through relationship marketing. Topics include optimizing a company profile, developing content that engages a target audience, building a professional brand, marketing a company, showcasing credentials, getting business advice, reconnecting with former colleagues and connecting with businesses around the globe.

Repeatable.

WKFP 564 LEADERSHIP SKILLS
(Formerly NCTE564)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Explores and applies the top ten skills that every leader must have. Group activities will encourage live practice of the skills enabling participants to effectively learn to use these new approaches in real business situations. Participants will gain an understanding of the differences between leaders and managers.

Repeatable.

WKFP 565 SUPERVISORY SKILLS
(Formerly NCTE565)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Introduces the key tools for effective management and supervision. Covers delegation, feedback, communicating with employees, motivation, and management styles.

Repeatable.

WKFP 566 MOTIVATING YOURSELF AND OTHERS
(Formerly NCTE566)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Explores the key ingredients for strengthening workplace commitment, engagement, and career satisfaction. Introduces various reward and recognition strategies to increase engagement in the workplace.

Repeatable.

WKFP 567 SETTING UP QUICKBOOKS FOR SMALL BUSINESS
(Formerly NCTE567)
1.00 hours per week: (0.00 lecture hours/1.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP

Introduces the basics of small business bookkeeping using QuickBooks and including financial reporting, how to analyze and record
This course will give employees a renewed self-worth, and a strong appreciation for professional effectiveness. Course activities will encourage participants to share and discuss their past and current successes and failures. This course will give employees a renewed self-worth, and a strong appreciation for professional effectiveness.

Introduces the secrets that make employees irreplaceable. Introduces skills and concepts that will help participants challenge old habits and foster new strategies to empower them to become the best that they can be. Course activities will encourage participants to share and discuss their past and current successes and failures. This course will give employees a renewed self-worth, and a strong appreciation for professional effectiveness.
and new customers. Develops skills to increase traffic to your website, and understand the importance of being able to measure the success of your Facebook marketing. Repeatable.

WKFP 581  TWITTER FOR BUSINESS 0
(Formerly NCTE581)
0.50 hours per week: (0.00 lecture hours/0.50 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces the steps to take to set up a Twitter business presence which will enable organizations to leverage the power of real-time marketing, optimize and manage an account, and find and follow influencers and leads. Repeatable.

WKFP 582  PROFESSIONAL ETIQUETTE 0
(Formerly NCTE582)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Presents the behavior, communication, and appearance standards needed for professionalism to survive and thrive in the workplace. Repeatable.

WKFP 591  DOMESTIC AND GLOBAL ISSUES IN EMPLOYMENT 0
(Formerly NCTE591)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Introduces and discusses contemporary issues in U.S. and global employment law. Covers regulations and legal issues faced in the workplace including sexual harassment, discrimination, whistleblowing, immigration, legal procedures for filing EEO claims, alternatives to litigation, as well as employer defense options. Repeatable.

WKFP 592  INTERVIEWING AND HIRING IN THE GLOBAL MARKETPLACE 0
(Formerly NCTE592)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Discusses techniques and trends which are used in the global marketplace for recruitment, investigation, interviewing, and hiring. Discussions will include methods for effective hiring and supervision. Repeatable.

WKFP 593  EVALUATING AND MONITORING PERFORMANCE OF YOUR GLOBAL TEAM 0
(Formerly NCTE593)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Discusses ways in which employee relationships factor into a global organizations view of its own successes. This course is designed to teach techniques to measure which employees understand, communicate and respond to legal and ethical organizational values and performance standards. Repeatable.

WKFP 775  PLANNING YOUR NEXT CAREER 0
(Formerly NCTE775)
0.50 hours per week: (0.50 lecture hours/0.00 lab hours)
Noncredit
Non-Credit Gradeable Course/SP
Designed for older adults who wish to explore new work and career opportunities. Students develop work-related goals, examine their work histories, identify marketable employment skills, and identify local employment resources and supports. Repeatable.