CLASS SCHEDULE
SPRING 2015

ACCT 090
Introduction to Accounting
3 Units
Advisory: READ 023 or appropriate assessment; MATH 030 or MATH 030D or appropriate assessment; MGMT 052
This course provides basic knowledge of accounting terms, concepts, and procedures for a sole proprietorship form of business. Topics include the analysis and recording of business transactions for service and merchandising firms, and the preparation of simple financial statements. Accounting for cash, sales, purchases, payroll, and the end-of-the-year procedures is presented. This course is designed for the occupationally-oriented students or those preparing for Financial Accounting and Computerized Accounting.

30007 CLAS 2/2/15 - 5/30/15 M 1800 - 2110 Johnnie Atkins B119
30027 CLAS 2/2/15 - 5/30/15 MW 1115 - 1240 Johnnie Atkins B116
34492 WEB 2/2/15 - 5/30/15 Maureen Baker

ACCT 097
Volunteer Income Tax Assistance Program II
1 Unit
Prerequisite: ACCT 096
Advisory: READ 023 or appropriate assessment
This is the second course in a sequence of two courses designed for students who want to volunteer in the Volunteer Income Tax Assistance (VITA) program at Rio Hondo. This course will allow students who have successfully passed ACCT 096 to apply their tax knowledge by assisting low income individuals and families with tax return preparation through the VITA program for the current year. Students will learn to use the TaxWise software to accurately file individual federal and state income tax returns within the scope of the VITA program. Students will learn how to develop a system of quality control for actual taxpayer returns as well as develop their communication skills through interviews of taxpayers and explanation of tax return results.

34017 CLAS 2/6/15 - 4/17/15 F 0900 - 1500 Jeannie Liu B117

ACCT 101
Financial Accounting
4 Units
Advisory: READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment; ACCT 090; MGMT 052
Transfers to: UC, CSU
This course is the study of accounting as an information system and how information is used by investors, creditors, and other external users to make decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis. Topics includes issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. This course is required of all accounting and business administration majors.

30524 CLAS 2/2/15 - 5/30/15 MW 1330 - 1535 Jeannie Liu B119
30530 CLAS 2/2/15 - 5/30/15 T 1800 - 2215 Michelle Redinger B119
30538 WEB 2/2/15 - 5/30/15 Diana Clarke
30542 CLAS 2/2/15 - 5/30/15 T 1330 - 1745 Michelle Redinger B119
32689 WEB 2/2/15 - 5/30/15 Jeannie Liu
32725 CLAS 2/2/15 - 5/30/15 MW 1115 - 1320 Steven Valdes B118
**ACCT 102**  
**Managerial Accounting**  
4 Units  
Prerequisite: ACCT 101 with a grade of "C" or better  
Advisory: READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment  
Transfers to: UC, CSU  
This course introduces students to the fundamentals of managerial accounting for decision making. This course is the study of how managers use accounting information in decision-making, planning, directing and controlling operations. The course focuses on the flow of costs in a manufacturing environment, cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Topics include issues relating to cost systems, cost control, profit planning, and performance analysis in manufacturing environments. This course is required of all accounting and business majors.

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**ACCT 103**  
**Payroll Accounting**  
3 Units  
Advisory: READ 023 or appropriate assessment; ACCT 090 or 101  
Transfers to: CSU  
This course combines basic accounting skills with specialized training in payroll accounting to prepare students for entry-level positions within the payroll segment of accounting. This course is designed for accounting majors and those interested in pursuing an entry-level positions within the payroll segment of accounting. This course is a comprehensive overview of federal and state payroll laws and their effect on payroll records and required government reports.

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**ACCT 105**  
**Income Tax Accounting**  
4 Units  
Advisory: READ 023 or appropriate assessment; ACCT 101  
Transfers to: CSU  
Federal and California State income tax laws and preparation as related to individuals and small business entities. Emphasis is placed upon income inclusion, exclusion, exemptions, capital gains and losses, and business and individual deductions. Students who successfully complete the course will be certified by the California Tax Education Council as fulfilling the 60-hour qualifying education requirement (45 federal hours and 15 California hours) imposed by the State of California for becoming a Registered Tax Preparer.

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**ACCT 106**  
**Computerized Accounting**  
3 Units  
Advisory: READ 023 or appropriate assessment; MATH 030 or appropriate assessment; ACCT 090; ACCT 101  
Transfers to: CSU  
This course is designed to provide students with a sound basic knowledge of how computerized integrated accounting systems function. Students will be processing accounting data using receivables, payables, inventory, payroll and project modules. This course is designed for accounting majors, those interested in starting a small business, and those interested in pursuing entry-level positions in the field of accounting.

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ACCT 203  
**Introduction to Cost Accounting**  
3 Units  
Prerequisite: ACCT 101 with a grade of "C" or better  
Advisory: READ 023 or appropriate assessment; MATH 030 or MATH 030D or MATH 033 or appropriate assessment  
Transfers to: CSU  
Introduction to Cost Accounting takes a logical approach to the fundamentals of cost accounting as applied to a manufacturing business, and the use of cost data in management decisions. Principles and procedures of cost systems are presented first in an overview, then discussed and illustrated in detail. The course provides thorough coverage of job order costing, process costing, and standard costs. Analysis of cost data is integrated with discussions of cost accounting systems and procedures. Students will also evaluate both quantitative and qualitative data to assist management with strategic decision-making, planning, and controlling. This course is designed for accounting majors and those interested in furthering their knowledge and understanding of managerial accounting.

ACCT 290  
**Cooperative Work Experience/Internship for Accounting Related Fields**  
1 Unit  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course supports and reinforces on-the-job training in business and industrial establishments under supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in their area of vocational interest and will meet performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose job is related to the field of Accounting and have completed or enrolled in the appropriate coursework. "Contact the CWE office regarding re-enrollment procedures".

**Student Unpaid Internship:**  
1 Unit/60 hours; 2 Units/120 hours;  
3 Units/180 hours; 4 Units/240 hours  
**Student Paid Internship:**  
1 Unit/75 hours; 2 Units/150 hours;  
3 Units/225 hours; 4 Units/300 hours

ADN 075  
**LVN Transition into the Associate Degree Nursing Program**  
2.5 Units  
Prerequisite: Acceptance into Nursing Program and Current LVN License  
Advisory: READ 023 or appropriate assessment; MATH 070 or MATH 070D or MATH 073 or appropriate assessment  
This short-term course provides an overview of the Associate Degree Nursing Program. The focus is on successful learning strategies and the development of critical thinking skills. An overview of the Systems Developmental Stress Model is included as a framework for the nursing process and the Associate Degree Nursing Curriculum. Also included is an in-depth study of the nursing process including physical assessment, nursing diagnosis, interventions and evaluations. The nursing skills required for physical assessment and
basic patient care will be presented. This course is open to all career ladder LVN and 30 unit option students entering the second year of the Associate Degree Nursing Program.

**ADN 151**  
**Clinical Nursing Concepts**  
4 Units  
Prerequisite: BIOL 125, BIOL 222, and BIOL 226 (all with a grade of "C" or better); ENGL 101 or appropriate assessment  
Advisory: READ 023 or appropriate assessment; MATH 070 or MATH 070D or MATH 073 or appropriate assessment  
Transfers to: CSU  
This is an introductory course in basic clinical nursing concepts. The student will be introduced to a theoretical framework for nursing practice including the nursing process and the conceptual model used in the Associate Degree Nursing Program. Concepts related to therapeutic communication, legal and ethical issue and documentation are included. The nursing skills required for physical assessment and individualized patient care will be presented. The course includes laboratory practice and experience in the care of patients in the clinical setting. This course is designed for students in the Associate Degree Nursing program.

**ADN 155**  
**Nursing Process: Childbearing Family/Women's Health**  
0 Units  
Prerequisite: ADN 150 and ADN 154 with a grade of "C" or better  
Advisory: READ 023 or appropriate assessment  
Transfers to: CSU  
This course is designed for the Associate Degree Nursing student. It focuses on the biological, intrapersonal/interpersonal and developmental aspects of human reproduction. The nursing process is utilized in meeting maternal, newborn and family needs as they relate to human reproduction. This course also focuses on women's health issues with regards to fertility, family planning, gynecological problems and related needs, and the utilization of the nursing process to meet those needs.
ADN 156
Nursing Process Applied to the Care of Children
0 Units
Prerequisite: ADN 150 and ADN 154 with a grade of "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: CSU
This course focuses on the application of the nursing process in caring for children. Emphasis is placed on normal growth and development patterns of the growing child and developmental, biological, interpersonal and intrapersonal stressors affecting children and their families. The pathophysiology of disease processes that may occur during childhood and related medical and nursing interventions are discussed. The students will apply the theoretical concepts in the clinical setting. This course is designed for students in the Associate Degree Nursing Program.

ADN 253
Nursing Process Applied to Advanced Concepts
0 Units
Prerequisite: ADN 250, ADN 251 and ADN 252 with a grade of "C" or better
Transfers to: CSU
This course focuses on the use of the nursing process in caring for patients requiring complex nursing care in general medical/surgical settings. The course also focuses on generalized emergencies, immunologic problems and oncologic problems. Nursing theory from previous courses is integrated as the student applies advanced concepts in the clinical setting. This course is designed for students in the Associate Degree Nursing Program.
ADN 254  
Leadership and Management in Nursing  
0 Units  
Prerequisite: ADN 253 with a minimum grade of "C" or better  

This course focuses on theories and principles of leadership and management. It also addresses legal and ethical issues, current trends in nursing and changes in the delivery of health care affecting nursing practice. The students will apply the concepts and principles related to leadership and management through a preceptorship experience in the clinical setting. This course is designed for students in the Associate Degree Nursing Program.

AET 070  
Introduction to Alternative Energy Technology (Same as ET 070)  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or appropriate assessment  
This course is an introductory course that will examine the theory behind present day energy systems which will include an in-depth analysis of the design and installation of alternate energy systems. Topics will include: solar electrical systems, wind electrical systems, solar water heating systems, wind mechanical systems, small hydro-electrical systems, and conservation methods used to save energy. Also presented are topics on geothermal energy, fuel cells, biomass systems, and applications of alternate energy in transportation, industrial, commercial, and residential systems. Students will collect solar data using an irradiance meter and determine power consumption of a typical residence to develop an alternative energy solution. This course is intended for students that are contemplating a career in the alternative energy industry.

AET 074  
Advanced Photovoltaic Systems Design and Installation (Same as ET 074)  
3 Units  
Prerequisite: AET/ET 072  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or appropriate assessment  
This is the second course in the photovoltaic series that will further examine and implement the design and installation of solar photovoltaic power systems. Students will learn how to interpret the National Electrical Code (NEC) specifics concerning photovoltaic installations. The topics include code compliant wiring of
modules, inverters, charge controllers, batteries, grounding techniques and related topics. Additional topics include the design and installation of large commercial photovoltaic systems. This course is intended for students that are interested in a career in the solar photovoltaic energy industry.

AET 078
Advanced Wind Energy Systems Design and Installation (Same as ET 078)
3 Units
Prerequisite: AET/ET 076
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or appropriate assessment
This is the second course in the wind energy series that will further examine and implement the design and installation of wind power systems. Students will learn how to interpret the National Electrical Code (NEC) specifics concerning wind power installations. The topics include code compliant wiring of modules, inverters, charge controllers, grounding techniques and related topics. Additional topics include wind site evaluations, electrical load calculations, wind system size calculations, hydraulic fundamentals, basic aerodynamics, and installation techniques for large wind power generation systems. This course is intended for students that are contemplating a career in the wind turbine power generation industry.

AET 280
Green Building Design Principles (Same as ET 280)
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or appropriate assessment
Transfers to: CSU
This course is designed to provide individuals, who are working in or seeking employment in the green building field, with an overview of the green building industry and its components. Specifically, this course will assist students in their preparation for the Leadership in Energy and Environmental Design Accredited Professional (LEED AP) Examination, which is the most recognized professional accreditation for green building in the nation. Emphasis is placed on the six categories of design that green buildings must address for LEED Certification: Sustainable Sites, Water Efficiency, Energy & Atmosphere, Materials & Resources, Indoor Environmental Quality, and Innovation & Design Process. Each of these categories will be studied, with a focus on the significance of each particular credit.

AJ 041
Effective Written Communications for Public Service Personnel
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AJ 101
This course is designed to provide Administration of Justice or other interested students with intensive training in communication of facts and information of ideas in simple, clear, logical English. An emphasis will be placed on spelling, correct usage of words, sentence structure, critical reading and discussion, creative thinking, techniques of observation, and other skills that lead to good writing. Topics include organization of ideas and are combined with an abundant practice in the writing of effective reports, bulletins, memos, letters, and other short papers.
AJ 101
Introduction to Administration of Justice
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course introduces students to the characteristics of the criminal justice system in the United States.
Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime,
components of the system, and current challenges to the system. The course examines the evolution of the
principles and approaches utilized by the justice system and the evolving forces which have shaped those
principals and approaches. Although justice structure and process is examined in a cross cultural context,
emphasis is placed on the US justice system, particularly the structure and function of US police, courts and
corrections. Students are introduced to the origins and development of criminal law, legal process,
sentencing, and incarceration policies.

30011 CLAS 2/2/15 - 5/30/15 T 1420 - 1730 Judith Haggerty AJ321
2/10/15 - 5/26/15 T 0940 - 1105 Kelli Florman AJ323
WEB 2/2/15 - 5/30/15 Kelli Florman
30876 WEB 2/2/15 - 5/30/15 Kelli Florman
30882 WEB 2/2/15 - 5/30/15 Kelli Florman
31694 CLAS 2/2/15 - 5/30/15 T 1900 - 2210 James Bland AJ323
32877 WEB 2/2/15 - 5/30/15 Kelli Florman
35173 CLAS 2/2/15 - 5/30/15 MW 0940 - 1105 James Newman AJ322
35174 CLAS 2/2/15 - 5/30/15 TW 1645 - 1810 Terril Dochnahl Ruben Salazar High School

AJ 102
Criminal Procedures
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed to provide Administration of Justice or other interested students with an in-depth
study of the legal responsibilities of law enforcement. An emphasis will be placed on the judicial segment of
the administration of justice system. Topics include laws of arrest, custody, past, present, and future
analysis of the procedures for each subsystem within the administration of justice system from initial entry to
final disposition. The relationship each segment maintains with system members will also be covered.

30057 CLAS 2/2/15 - 5/30/15 MW 1115 - 1240 Robert Feliciano AJ323
30068 CLAS 2/2/15 - 5/30/15 T 1420 - 1730 Robert Feliciano AJ323
30707 WEB 2/2/15 - 5/30/15 Carley Mitchell
30718 WEB 2/2/15 - 5/30/15 Carley Mitchell
31909 WEB 4/6/15 - 5/30/15 Robert Feliciano
35126 CLAS 1/5/15 - 1/29/15 MTWR 0800 - 1120 Richard Ramirez AJ322
35156 CLAS 2/2/15 - 5/30/15 T 1800 - 2110 David Brougham SW105

AJ 104
Legal Aspects of Evidence
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AJ 101
Transfers to: CSU
This course is designed to provide Administration of Justice or other interested students with an in-depth
study of evidence rules. An emphasis will be placed on the application of rules in preparing and presenting
evidence. The course will discuss the history and approach to the study of evidence. Topics include proof by
evidence and substitutes, general admissibility tests, evidence by way of witness testimony, documents, real evidence, and exclusion of evidence on constitutional grounds. For a better understanding of the evidence rules, judicial decisions are cited and students will be required to brief cases.

AJ 105
Community Relations/Multicultural Issues Within Public Service
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AJ 101
Transfers to: UC, CSU
This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics covered may include crime prevention, restorative justice, conflict resolution, and ethics.

AJ 106
Criminal Law I
3 Units
Prerequisite: AJ 101 with a grade of "C" or better, or completion of PAC 040 or equivalent
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: AJ 106 or AJ 107)
This course offers an analysis of the doctrines of criminal liability in the United States and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. This course utilizes case law and case studies to introduce students to criminal law. The completion of this course offers a foundation upon which upper-division criminal justice courses will build. The course will also include some limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes.

AJ 107
Criminal Law II
3 Units
Prerequisite: AJ 101 with a grade of "C" or better, or completion of PAC 040 or equivalent
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: AJ 106 or AJ 107)
This course is designed to provide Administration of Justice or other interested students with a comprehensive discourse on criminal statutes and their definition. Topics include classification as applied to the system of administration of justice, crimes against persons, property, general statutes, and health and safety statutes as well as other state and federal laws.

AJ 207
Juvenile Law and Procedure
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AJ 101
Transfers to: CSU
This course is designed to provide Administration of Justice or other interested students with techniques for handling juvenile offenders and victims. An emphasis will be placed on the prevention and repression of delinquency, diagnosis and referral of juvenile offenders, and organization of community resources. Juvenile law and juvenile court procedures will be contrasted with adult law procedures.

AJ 208
Principles of Investigation
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AJ 101
Transfers to: CSU
This course addresses the techniques, procedures, and ethical issues in the investigation of crime, including organization of the investigative process, crime scene searches, interviewing and interrogating, surveillance, source of information, utility of evidence, scientific analysis of evidence and the role of the investigator in the trial process.

AJ 215
Vice and Narcotics Control
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AJ 101
Transfers to: CSU
This course is designed to provide Administration of Justice or other interested students with an in-depth understanding of code and case law of vice and narcotics. The course will focus on detection, suppression, apprehension, and prosecution of violators. Special emphasis will be placed on laws dealing with gambling, prostitution, sex crimes, narcotic identification, and search and seizure.

AJ 228
Police Field Operations
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AJ 101
Transfers to: CSU
This course is designed to provide Administration of Justice or other interested students with an in-depth understanding of the history and development of Police Field Operations. Particular emphasis is placed on the planning of field activities. Topics include the functions of patrol, traffic and other preliminary investigative duties of the field officer. The techniques of planning for patrol operations, handling of requests for service,
vehicular traffic-related problems, and civil and domestic disturbances are also presented in the course.

AJ 250
Contemporary Issues in the Criminal Justice System
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AJ 101; AJ 102
Transfers to: CSU
This course is designed to provide Administration of Justice or other interested students with an in-depth understanding of personal and organizational values, beliefs, attitudes and ethics as they affect contemporary issues in the Criminal Justice System. Particular emphasis is placed on the historical foundations which serve as a basis of contemporary decision making. Specific issues to be used in the discussions will vary from semester to semester.

AJ 275
Introduction to Forensic Science
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed to prepare Administration of Justice, Forensic Science, and California Peace Officer students for the Forensic Science Identification Program. This course provides an introduction to the role of forensics in criminal investigations. It examines the methods utilized in the forensic analysis of crime scenes, pattern evidence, instruments, firearms, questioned documents and controlled substances.

ANIM 101
Digital Modeling and Texturing
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course introduces students to digital 3-D modeling and texturing. Students will learn the basic techniques used to create digital 3D models of organic and man-made objects, used in film, TV, game development and design visualization. This course is appropriate and beneficial for all students in courses related to Graphic Arts (Multimedia, Illustration, Internet Web Design, Game Design and Film Production) and Industrial Design (Architectural, Automotive, Furniture, Clothing and Product Design). Students will be introduced to the concepts of digital sculpting, box modeling low and high resolution models, UV projecting, image based and procedurally texturing 3-D objects.

ANIM 105
Principles of Animation
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; ART 130; ART 230
Transfers to: CSU
This course introduces students to the basic principles that are the foundation for the art form of animation. The topics covered in this course are the starting point for any student interested in becoming a digital animator. Through the use of a computer, solid drawing and 3D software such as Maya,
students will learn to master fundamentals like squash and stretch, timing, weight, drag and follow through. This course provides students with the opportunity to build and refine the basic skill set necessary to be a digital animator.

34455 CLAS 2/2/15 - 5/30/15 S 1000 - 1110 Roberto Clemente LR104
LAB 2/2/15 - 5/30/15 S 1115 - 1625 Roberto Clemente LR104

ANIM 110
Digital Character Animation
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; ANIM 105
Transfers to: CSU

This course will provide students with an opportunity to further develop their skills in the art of creating three-dimensional digital character animation. Students will learn how to create short animation sequences and loops using digital characters. This course is appropriate and beneficial for all students in courses related to Graphic Arts (Multimedia, Illustration, Internet Web Design, Game Design and Broadcast Media Production) and Industrial Design (Architectural, Automotive, Furniture, Clothing and Product Design). Students will be introduced to the concepts of storyboarding, Body Mechanics, acting for animators, Pose to pose and straight ahead animation, control rigging, and animating mechanical subject matter.

30085 CLAS 2/2/15 - 5/30/15 TR 0805 - 0930 David Dawson LR104
LAB 2/2/15 - 5/30/15 TR 0935 - 1100 David Dawson LR104
30145 CLAS 2/2/15 - 5/30/15 F 0800 - 1110 Migo Wu LR104
LAB 2/2/15 - 5/30/15 F 1115 - 1425 Migo Wu LR104

ANIM 120
3D Materials, Lighting and Rendering
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; ANIM 101
Transfers to: CSU

This is an introductory course for all students interested in learning about texture mapping, lighting and rendering for computer animation. The focus of the course is on creating procedural and image based textures, generating lighting scenarios for human and manmade objects and rendering methods. Students will learn techniques used in the production of surfaces for models of people, animals and scenes as used for games, animation and design visualization. This course is beneficial for all students in courses related to Graphic Arts (Multimedia, Illustration, Internet Web Design, Game Design and Film Production) and Industrial Design (Architectural, Automotive, Furniture, Clothing and Product Design).

30159 CLAS 2/2/15 - 5/30/15 MW 0805 - 0930 David Dawson LR104
LAB 2/2/15 - 5/30/15 MW 0935 - 1100 David Dawson LR104

ANIM 130
World Building for Game Development
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; ANIM 101
Transfers to: CSU

This is an introductory course in the techniques used in building worlds for game development. There will be an emphasis placed on the essentials of traditional background layout, such as thumbnail sketching, perspective, basic design and mood. Students will have the opportunity to study in depth the procedures used in lighting and texturing game environments. Topics will include the use of color, lighting, and the design of environmental elements used to enhance basic game play and level design. This course is beneficial for all students in courses related to Graphic Arts (Multimedia, Illustration, Internet Web Design, Game Design and Film Production) and Industrial Design (Architectural, Automotive, Furniture, Clothing and Product Design).

30183 CLAS 2/2/15 - 5/30/15 TR 1205 - 1330 David Dawson LR104
ANIM 260
Figure Drawing for Animators
3 Units
Prerequisite: ART 230
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: CSU
A figure drawing course for animators that focuses on gesture and how to capture the essential movement, dynamic expression, and the individual attitude of the model. This course is designed to introduce and develop an understanding of life drawing that will serve as a foundation for further studies in animation and entertainment arts. Students will refine basic skills in human anatomy while learning to draw the figure in sequential movement, understand weight and balance, facial and body expression, and figure invention.

ANTH 101
Introduction to Physical Anthropology
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: ANTH 101 or ANTH 101H)
In this course, people are investigated from the perspective of evolutionary theory. Students will learn about the process of natural selection and related issues including patterns of inheritance. Also included will be an examination of the closest living relatives to humans, primates, with an emphasis on behavior and ape societies. An extensive survey of human ancestors will trace the origins of various life forms and recount how ape–like creatures evolved into modern humans. Students will also discover how natural selection can be used as a tool to understand patterns of human variation. This course is designed for anthropology majors, those with an interest in anthropology, or anyone with a desire to further their understanding of humans from an evolutionary perspective.

ANTH 101L
Physical Anthropology Lab
1 Unit
Prerequisite/Corequisite: ANTH 101 or ANTH 101H
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This laboratory course, designed to complement the lecture course, is for students interested in expanding their knowledge of physical anthropology. Students will be introduced to the methods, techniques, and procedures used in physical anthropology research, gaining practical experience by participating in laboratory activities and experiments employing the scientific method. Laboratory exercises will include an assessment of the forces that affect evolutionary change, the observation of primate behavior, the assessment of human variation, and the identification and classification of the skeletal features of humans, non-human primates, and human ancestors. Also included will be an exploration of Mendelian, molecular, and population genetics.
ANTH 102
Introduction to Cultural Anthropology
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
The emphasis of this general education course is the investigation of human culture. By learning about the diversity of cultural practices around the world, students will be able to evaluate their identities within their own societies. In addition to discovering the theories and methods important to cultural anthropology, the course will include an extensive examination of cross-cultural diversity. Students will learn about how people in different cultures obtain their food, exchange goods, organize themselves in groups, engage in politics, raise children, and worship supernatural beings. Also addressed will be the issue of how cultural anthropology can contribute to addressing problems important in the modern world. This course is designed for anthropology majors, those with an interest in anthropology, or anyone with a desire to further their understanding of human culture.

ANTH 102H
Introduction to Cultural Anthropology Honors
3 Units
Prerequisite: ENGL 101 with a grade of "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
The emphasis of this general education course is the investigation of human culture. By learning about the diversity of cultural practices around the world, students will be able to evaluate their identities within their own societies. In addition to discovering the theories and methods important to cultural anthropology, the course will include an extensive examination of cross-cultural diversity. Students will learn about how people in different cultures obtain their food, exchange goods, organize themselves in groups, engage in politics, raise children, and worship supernatural beings. Also addressed will be the issue of how cultural anthropology can contribute to addressing problems important in the modern world. This course is designed for anthropology majors, those with an interest in anthropology, or anyone with a desire to further their understanding of human culture.

ANTH 103
Introduction to Archaeology
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
Archaeology is the study of past societies through the analysis of material remains. This general education course will survey the development of major cultural centers around the world including those found in Mesoamerica, South America, Egypt, China, Africa, and the Middle East. Examples drawn from many ancient sites will trace human societies from pre-agricultural communities, through the origins of agriculture, to the rise of major political and economic institutions. Students will learn how archaeologists discover information about the past, the history of the discipline, and the important issues confronting the field today. This course is designed for students who are interested in the field of archaeology or for students who plan to major in anthropology.
ANTH 110
Human Sexuality from a Cross-Cultural Perspective (Same as SOC 110)
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed to provide the student who has an interest in human sexuality with an introduction to this subject as a form of culturally-influenced social interaction. Topics addressed include historical views of sexuality, gender identity, and the impact of cultural change on sexual interest and activity. A social scientific analysis of various aspects of human sexual behavior will be used to examine sexuality as a form of social interaction in a cultural context. Various social theories and relevant empirical research are critically analyzed from both a Western and non-Western perspective.

ANTH 115
Introduction to Medical Anthropology
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
Medical anthropology explores the perceptions of disease, health, and healing in different cultures around the world. Socio-cultural, biological, and ecological perspectives will be used to understand the origins of illness and disease and medical practices across cultures. Topics include diagnosis and therapies, the role of healers like witchdoctors and shamans, stress and mental health, unequal access to medical care, and medical anthropology applied to global health problems. This course is intended for nursing and health care professionals seeking continuing education credit and students interested in the cultural aspects of healing and treating disease.

ANTH 125
Religion, Magic, Witchcraft, and the Supernatural
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for students interested in learning about the diverse religious beliefs and practices around the world. An introduction to the anthropological study of religion will include an overview of the various forms of religious belief systems, the variety of gods and other supernatural forces, the use of myths, rituals, and ceremonies in religious practice, and the types of shamans, priests, and other religious specialists found in religious systems. The religious use of drugs will be explored along with traditional healing practices and folk medicine remedies used in many Western cultures. A survey of witchcraft, sorcery, the occult, demons, exorcism rites, sacrificial practices, and magic will be included. In addition, concepts relating to death and the afterlife will be explored such as souls, ghosts, reincarnation, zombies, and others.

ARCH 095
Construction Document Reading and Estimating
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or appropriate assessment
This course is beneficial for apprentices, students of architecture and employees in all areas of the construction industry, and covers residential, light commercial and industrial building construction. An introduction to the use of prints, construction documents and the theory of construction estimating, as used in
the building industry will be presented. Principles of reading working drawings, plans, H.V.A.C. specifications, details, elevations and electrical specifications are included as well as material estimating, estimating rules, tables and procedures.

30504  CLAS  2/2/15 - 5/30/15  MW  1900 - 2025  Edward Rickter  S310
LAB 2/2/15 - 5/30/15  MW  2035 - 2200  Edward Rickter  S310

ARCH 115
Introduction to Residential Architecture: Drawing and Design
4 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; ENGT 101 or two years of high school drafting
Transfers to: CSU
This introductory course is for any student interested in the field of Architectural Drawing and Design. The course is a requirement for both the A.S. degree and certificate in Architectural Design and Drawing, Engineering Design Drafting and Civil Design Technology. The course includes the study of architectural graphic standards related to creating construction drawings such as floor plans, exterior and interior elevations, site plans, foundation plans and details, building sections and construction framing details for one or two story residential structure. Emphasis is placed on symbology, conventions, and techniques to develop technical skills necessary for an entry level architectural drafter and may lead to careers in environmental planning and design, architectural engineering, and construction technology. Construction methods, building codes, design factors, planning, and use of reference materials are discussed and applied. All construction documents will be developed using traditional board drafting methods and standards.

30506  CLAS  2/2/15 - 5/30/15  MW  1250 - 1415  Joseph Sunyogh  S310
LAB 2/2/15 - 5/30/15  MW  1420 - 1545  Joseph Sunyogh  S310

ARCH 125
Residential Architecture and Detailing
3 Units
Prerequisite: ARCH 115, ENGT 150 or ENGT 170, or industry experience in CADD applications
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This intermediate level course is for students pursuing a degree or certificate in Architectural Design and Drawing and is a requirement for both the A.S. degree and certificate. This course involves creating a set of construction drawings for a two story structure and emphasizes the study of wall and construction systems, foundation systems, detailing of wood and concrete systems, sections, interior details, and completion of the residential construction documents. Emphasis is placed on development of technical skills in detailing, use of reference materials, building codes, standard construction techniques and architectural graphic standards. All construction documents will be developed using CADD.

30572  CLAS  2/2/15 - 5/30/15  MW  1600 - 1710  Ricardo Alvarez  S310
LAB 2/2/15 - 5/30/15  MW  1720 - 1845  Ricardo Alvarez  S310

ARCH 235
Architectural Design Studio
4 Units
Prerequisite: ARCH 215
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; ENGT 150 Transfers to: UC, CSU
This course is for students pursuing the A.S. degree in Architecture with the intent of transferring and continuing their study of architecture. Topics explored include multiple design principles, concept applications, spatial and form definition, preliminary studies, interior and exterior space planning, site orientation, styles and materials. Student design concepts will be expressed verbally and graphically using presentation drawings, isometrics and perspectives, conceptual models, renderings and photographs. Students will
develop skills in a studio atmosphere dealing with existing conditions, problem solving using design criteria, codes and environmental relationships for abstract, residential and small commercial structures.

ARCH 260
Advanced Architecture Using Revit and 3D Software
4 Units
Prerequisite: ARCH 115; ENGT 150
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; ENGT 101 or two years of high school drafting; ENGT 200
Transfers to: CSU
This course is for all students pursuing an A.S. Degree in Architecture (Transfer) and Architectural Design and Drawing and presents an intensive study of BIM (Building Information Modeling) applications as they relate to architecture. Utilizing the latest releases of 3D design software such as Revit and AutoCAD Architecture and previously learned technical and architectural drafting conventions, students will produce two and three dimensional BIM generated architectural drawings and 3D virtual models. High technology skills which are necessary to function as a designer or CADD Drafter are emphasized.

ARCH 280
Advanced MicroStation for CADD & BIM Applications (Same as ENGT 280)
4 Units
Prerequisite: ENGT 170 with a grade of "C" or better or verifiable work experience and proficiency in MicroStation XM or V8i
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; ENGT 101 or two years of high school drafting
Transfers to: CSU
This course is for students pursuing an advanced study in MicroStation 3D parametric CADD (Computer Assisted Design and Drafting) and the BIM (Building Information Modeling) approach to building design using Bentley Architecture. Students will apply previously learned drafting conventions to produce two and three dimensional CADD and BIM generated mechanical and architectural drawings and virtual design models. This course benefits all students studying Architecture, Civil Engineering, Drafting, Design and Computer Graphics. High technology skills which are necessary to function as a designer or CADD Drafter are emphasized.

ARCH 290
Cooperative Work Experience/Internship for Architecture Related Fields
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course supports and reinforces on-the-job training in business and industrial establishments under supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in their area of vocational interest and will meet performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose job is related to the field of architecture and have completed or enrolled in the appropriate coursework. "Contact the CWE office regarding re-enrollment procedures".

Student Unpaid Internship:
1 Unit/60 hours; 2 Units/120 hours; 3 Units/180 hours; 4 Units/240 hours

**Student Paid Internship:**
1 Unit/75 hours; 2 Units/150 hours; 3 Units/225 hours; 4 Units/300 hours.

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**ART 101**
Introduction to Fine Arts
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This lecture/lab course provides an introduction to the Fine Arts for the non-art major providing an opportunity to learn about the arts through a series lectures and hands-on projects within an art historical and conceptual framework. Project and topics include drawing, painting, printmaking, design, mixed media and sculpture.

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**ART 105**
Survey of Western Art: Prehistory through the Middle Ages
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: ART 105 or ART 105H)
This course presents a broad overview of Prehistoric, Mesopotamian, Egyptian, Greek, Etruscan, Roman, Early Christian, Islamic, and Medieval art and architecture. This course is appropriate for all students pursuing the degree in Studio Art or Art History or seeking to fulfill general education requirements in Fine Arts and Humanities.

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ART 105H
Survey of Western Art: Prehistory through the Middle Ages Honors
3 Units
Prerequisite: ENGL 101 with a "C" or better and a minimum GPA of 3.2
Advisory: READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: ART 105 or ART 105H)
This course presents a broad overview of Prehistoric, Mesopotamian, Egyptian, Greek, Etruscan, Roman, Early Christian, Islamic, and Medieval art and architecture. This course is appropriate for all students pursuing the degree in Studio Art and/or seeking to fulfill general education requirements in Fine Arts and Humanities. This course is designed for those who meet Honors Program Requirements.

32620 CLAS 2/2/15 - 5/30/15 MW 0940 - 1105 Cynthia Lewis A230

ART 106
Survey of Western Art: Renaissance to Modern
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: ART 106 or ART 106H)
This course provides an overview of the history of Western art from the 14th century through the Modern Era, including Renaissance, Baroque, Rococo, Neoclassicism, Romanticism, Realism, Early Photography, Impressionism, Post Impressionism, and early Modern art movements of the 20th century. This course is appropriate for all students pursuing the degree in Art and/or seeking to fulfill general education requirements in Fine Arts and Humanities.

30329 CLAS 2/2/15 - 5/30/15 MW 0805 - 0930 Cynthia Lewis A230
30334 CLAS 2/2/15 - 5/30/15 TR 1115 - 1240 Sheila Lynch A230
33443 CLAS 2/2/15 - 5/30/15 T 1900 - 2210 Caroline Maxwell A230
34025 CLAS 2/2/15 - 5/30/15 MW 1115 - 1240 Sheila Lynch A230

ART 107
The Art of Asia
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course examines the artistic traditions of Prehistoric to Modern Asia in relation to their cultural, philosophical, and religious influences. The art and architecture of Central Asia (India, China, Korea, and Japan) will be emphasized. Examples from Southeast Asia, Pakistan, Tibet, and Nepal will also be discussed. This course is appropriate for all students interested in art and culture and for those seeking to fulfill general education requirements for Fine Arts and Humanities, as well as all Studio Art majors.

35029 CLAS 2/2/15 - 5/30/15 M 1900 - 2210 Carolyn Robertson A230

ART 108
The Art of Mexico
3 Units
Advisory: READ 023 or appropriate assessment; ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: UC, CSU
This course is a survey of the art and architecture of Mexico including PreColumbian, Viceregal (Colonial) and Modern 19th and 20th centuries. Chicano/a art will also be examined in relation to its Mexican antecedents. Art 108 is appropriate for all students interested in art and culture and for those seeking to fulfill general education requirements in Fine Arts and Humanities, as well as all Studio Art majors and Art History majors.

30353 CLAS 2/2/15 - 5/30/15 F 0900 - 1210 To Be Assigned A230
ART 109
Art of the Americas: Colonial to the Present
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course includes a study of the art and architecture of North, Central, and South America from the colonial period to the early 20th Century. This course is appropriate for students with an interest in American Studies, Latin American Studies, and/or those seeking to fulfill the general education requirements in Fine Arts and Humanities.

ART 110
Understanding Visual Art
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
ART 110 is a lecture course that provides the student with an introduction to the study of visual art: its vocabulary, its forms, the many roles it plays in society, and the variety of processes artists master in its making. Students gain insight into current approaches used in interpreting meaning from art and explore questions about the ways in which value is assigned to the art object. Using examples from cultures around the world and across time, this course offers a broad overview to any student interested in art and culture and to those seeking to fulfill general education requirements in Fine Arts and Humanities.

ART 115
The Art of Film
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This introductory course explores film as an art form, its basic components, and its relation to the styles and movements of other visual arts forms. An understanding of cinematic language is emphasized by focusing upon film’s manipulation of time and space, its use of visual metaphors, montages, and explicit/implicit messages. The collaborative nature of filmmaking is studied by examining the role of cinematography, lighting, film editing, visual effects, art direction, and the use of sound and music to enhance the script and create style. Through discussion and written assignments, students develop the ability to analyze the impact of films viewed both in and out of class. This course is appropriate for any student interested in film, art, media studies, or culture.

ART 120
Two Dimensional Design
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU
This is a foundational, first semester course and is open to any student interested in the fundamentals of visual thinking as they apply to all visual media and fulfills a general education requirement in Art. This course provides an introduction to the concepts, applications, and art historical references related to two-
dimensional art and composition, and includes the study of the basic elements of line, shape, texture, value, color and spatial illusion. Students will develop a visual vocabulary for creative expression through lecture presentations, studio projects, and written assignments.

30440  CLAS  2/2/15 - 5/30/15  MW  1200 - 1255  Ronald Reeder  B011
LAB  2/2/15 - 5/30/15  MW  1300 - 1505  Ronald Reeder  B011

35168  CLAS  2/2/15 - 5/30/15  TR  1530 - 1625  Sergio Rebia  Montebello Applied Tech Center
LAB  2/2/15 - 5/30/15  TR  1630 - 1835  Sergio Rebia  Montebello Applied Tech Center

ART 121
Three Dimensional Design
3 Units
Advisory: READ 022 or appropriate assessment; ART 120
Transfers to: UC, CSU
This is a foundational, first semester course and is open to all students interested in the fundamentals of visual thinking as they apply to all three dimensional media. It also fulfills a general education requirement in art. This course provides an introduction to the concepts, applications, and art historical references related to three-dimensional art, and includes the basic elements and principles of three-dimensional design. Students will develop a visual vocabulary for creative expression through lecture, slide and video presentations, and studio projects using a variety of tools and written assignments.

30457  CLAS  2/2/15 - 5/30/15  TR  1115 - 1210  Ronald Reeder  M104
LAB  2/2/15 - 5/30/15  TR  1215 - 1420  Ronald Reeder  M104

34457  CLAS  2/2/15 - 5/30/15  MW  1540 - 1635  Ronald Reeder  M104
LAB  2/2/15 - 5/30/15  MW  1640 - 1845  Ronald Reeder  M104

ART 130
Freehand Drawing I
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This is a first semester course for art and non-art majors interested in developing basic drawing skills. As an introduction to observational drawing and composition, students will develop the ability to perceive and define shape, contour, volume, space, and light using a variety of drawing media and subject matter. Emphasis is on clarity of observation and the ability to order and translate 3-dimensional form and space into 2-dimensional drawings.

30481  CLAS  2/2/15 - 5/30/15  MW  0750 - 0845  Margaret Griffith  B012
LAB  2/2/15 - 5/30/15  MW  0850 - 1055  Margaret Griffith  B012

30487  CLAS  2/2/15 - 5/30/15  TR  1200 - 1255  Margaret Griffith  B012
LAB  2/2/15 - 5/30/15  TR  1300 - 1505  Margaret Griffith  B012

30490  CLAS  2/2/15 - 5/30/15  TR  1900 - 1955  James Galindo  B012
LAB  2/2/15 - 5/30/15  TR  2000 - 2205  James Galindo  B012

30498  CLAS  2/2/15 - 5/30/15  F  0800 - 0950  Sergio Rebia  B012
LAB  2/2/15 - 5/30/15  F  0955 - 1415  Sergio Rebia  B012

ART 131
Freehand Drawing II
3 Units
Prerequisite: ART 130
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This is a second semester course for art and non-art majors in observational drawing and composition, stressing an advanced ability to perceive and define shape, contour, volume, space, and light. Students will use a variety of drawing media and subject matter. Emphasis is on strengthening skills introduced in Freehand Drawing I, the exploration of color in drawing and concepts related to content.
ART 135
Beginning Painting
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; ART 130
Transfers to: UC, CSU
This is a first semester course for art and non-art majors interested in developing basic painting skills. The course explores both traditional and contemporary painting techniques while stressing an ability to perceive and define shape, contour, volume, texture, space, and light using acrylic or water-based oil painting media. Emphasis is on learning the techniques of painting, understanding the use of color, while strengthening observation and rendering skills. Students are advised to have some drawing skills before taking this class.

ART 136
Intermediate Painting
3 Units
Prerequisite: ART 130; ART 135
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This is a second semester course for art and non-art majors interested in further development of painting skills and techniques, understanding the use of color and space, while strengthening observation and rendering skills. The course explores both traditional and contemporary painting concepts, styles, and techniques that involve complex compositional and technical problems in either acrylic or oil painting media.

ART 140
Ceramics I
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU
This is an introductory course open to all art and non-art majors interested in learning basic skills in ceramics using the potter’s wheel. Students will develop a visual vocabulary for creative expression through lectures, power point, vocabulary lists and video presentations. This course covers beginning problems of centering, throwing and shaping various functional and non-functional pottery. Students will be introduced to the process of glazing and basic firing techniques. This course emphasizes exploring personal and cultural
expression in the ceramic media. Evaluation will be based on using a variety of tools and writing assignments.

**ART 141**  
**Ceramics II**  
3 Units  
Prerequisite: ART 140  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment  
Transfers to: UC, CSU  
This is an intermediate course in ceramics open to all art and non-art majors, with continued emphasis on basic skills using the potter's wheel. Included in the course will be intermediate problems on the wheel, basic decorative techniques, and making a test glaze. Students will be exploring contemporary artistic practice and the social and historical elements of ceramic art.

**ART 142**  
**Introduction to Ceramic Handbuilding**  
3 Units  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This is a first semester course for art and non-art majors. It is designed to introduce students to the concepts, techniques, history, and contemporary practices of handbuilding in the ceramics arts. This course can be taken once and repeated three times for credit. This class is for any student who is interested in the fundamentals of clay construction using hand-building technique.

**ART 164**  
**Graphic Design (Adobe Illustrator)**  
3 Units  
Advisory: READ 022 or appropriate assessment; ART 120  
Transfers to: CSU  
Designed for the student interested in a degree in commercial art or those interested in 2 dimensional design and layout applications employed as tools by computer graphic artists, this course is an exploration of graphic design using the Adobe Illustrator computer based design software. Topics include typography
usage, inclusion of photo-derived images, illustration techniques, page layout design, as well as current methods/styles employed by graphic artists. This course includes portfolio building with an emphasis on professional standards.

ART 165
Graphic Design (Advanced Adobe Illustrator)
3 Units
Prerequisite: ART 164
Advisory: READ 022 or appropriate assessment; ART 120
Transfers to: CSU
Intended for the student interested in a degree in commercial art or those interested in 2 dimensional design and layout applications employed as tools by computer graphic artists, this course is an advanced exploration of graphic design using the Adobe Illustrator computer based design software. Topics include concept driven projects exploring illustration and rendering techniques, advanced compositing methods using various sources, as well as current methods/styles employed by graphic artists. This course includes portfolio building with an emphasis on professional standards.

ART 172
Desk Top Publishing (Adobe InDesign)
3 Units
Advisory: READ 022 or appropriate assessment
Transfers to: CSU
This course is intended for the student interested in commercial art, focusing on computer generated multi page layouts. Page composition and graphics are explored using Adobe InDesign software with an emphasis on design and the creative use of typography, included in this course is a discussion of output possibilities and pre-press considerations.

ART 175
Computer Graphics
3 Units
Advisory: READ 022 or appropriate assessment
Transfers to: CSU
This course is for the student interested in a degree in commercial art or any student interested in 2 dimensional paint and 3 dimensional modeling applications employed as tools by computer graphic artists. Topics covered will include the exploration of basic paint techniques as well as basic modeling, mapping, rendering and animation techniques as they relate to page and web design.

ART 178
Introduction to Digital Imaging (Adobe Photoshop)
3 Units
Advisory: READ 022 or appropriate assessment; ART 120
Transfers to: CSU
This course is for the student interested in a degree in commercial art or any student interested in digital imaging. The focus of the course is computer based image-editing software and its use as a tool in the creation of high quality digital imagery. Also provided is an overview of programs such as Adobe Photoshop and other related graphics programs employed by digital imaging artists with an emphasis on photography as the primary source of the final images. Included in this course will be the discussion of aesthetic decisions as they relate to image composition. The ethical and legal implications of image manipulation will be discussed as well as various presentation possibilities.

30842 CLAS 2/2/15 - 5/30/15 MW 0850 - 0945 To Be Assigned S302
LAB 2/2/15 - 5/30/15 MW 0950 - 1155 To Be Assigned S302
30865 CLAS 2/2/15 - 5/30/15 TR 1900 - 1955 To Be Assigned S302
LAB 2/2/15 - 5/30/15 TR 2000 - 2205 To Be Assigned S302

ART 230
Beginning Life Drawing
3 Units
Prerequisite: ART 130
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This is a first semester course for art, animation, and non-art majors interested in developing the basic drawing skills of representing the human figure. As an introduction to observational figure drawing and composition, students will develop the ability to perceive and define the anatomy and structural organization of the human form in terms of expressive design and creative use of drawing media.

30915 CLAS 2/2/15 - 5/30/15 MW 1530 - 1625 Ada Brown B012
LAB 2/2/15 - 5/30/15 MW 1630 - 1835 Ada Brown B012

ART 231
Intermediate Life Drawing
3 Units
Prerequisite: ART 230
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This is a second semester course for art, animation, and non-art majors interested in furthering their figure drawing skills. Working from a professional figure model, students will refine those skills learned in ART 230 and learn intermediate drawing skills, study human anatomy in greater detail, and extend their knowledge regarding the use of the figure in visual art. Emphasis is on clarity of observation and the ability to order and translate form and space on a two dimensional surface.

30928 CLAS 2/2/15 - 5/30/15 MW 1530 - 1625 Ada Brown B012
LAB 2/2/15 - 5/30/15 MW 1630 - 1835 Ada Brown B012

ART 232
Advanced Life Drawing
3 Units
Prerequisite: ART 231 or ANIM 260
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This is a third semester course for art, animation, and non-art majors interested in furthering their figure drawing skills. Students will refine those skills learned in ART 231 or ANIM 260 and learn advanced drawing skills, study the human anatomy in greater detail, and extend their knowledge regarding the use of the figure in visual art.

30937 CLAS 2/2/15 - 5/30/15 MW 1530 - 1625 Ada Brown B012
LAB 2/2/15 - 5/30/15 MW 1630 - 1835 Ada Brown B012
ART 233
Freehand Drawing III
3 Units
Prerequisite: ART 131
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU
This course is a third semester course in drawing and composition. More complex problems and a broader range of media including color will be utilized. Emphasis is on advancing observational skills and conceptual development through a range of subject matter, technical refinement and thematic development. Exploration of individual creative interpretation, process and intent in order to deepen the student’s studio practice and investigation is stressed.

32623  CLAS  2/2/15 - 5/30/15  MW  0750 - 0845  Margaret Griffith  B012
LAB  2/2/15 - 5/30/15  MW  0850 - 1055  Margaret Griffith  B012
32624  CLAS  2/2/15 - 5/30/15  TR  1200 - 1255  Margaret Griffith  B012
LAB  2/2/15 - 5/30/15  TR  1300 - 1505  Margaret Griffith  B012

ART 234
Watercolor Painting
3 Units
Prerequisite: ART 130
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU
This course is an introduction to various transparent watercolor techniques including wash and glazing. Applications of drawing, beginning painting, and design fundamentals to these techniques are included as well as the communicative element of content.

33469  CLAS  2/2/15 - 5/30/15  TR  1530 - 1625  Margaret Griffith  B012
LAB  2/2/15 - 5/30/15  TR  1630 - 1835  Margaret Griffith  B012

ART 235
Advanced Painting I
3 Units
Prerequisite: ART 136
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This is a third semester course in painting for the art and non-art major. The course constitutes a study of advanced painting problems stressing experimentation with traditional and contemporary methods of painting, composition, and expression. Class and individual projects using figure, still life, landscape, abstraction, shaped format, altered scale and material exploitation will be stressed.

30611  CLAS  2/2/15 - 5/30/15  MW  0750 - 0845  Margaret Griffith  B012
LAB  2/2/15 - 5/30/15  MW  0850 - 1055  Margaret Griffith  B012
30625  CLAS  2/2/15 - 5/30/15  TR  1530 - 1625  Margaret Griffith  B012
30625  LAB  2/2/15 - 5/30/15  TR  1630 - 1835  Margaret Griffith  B012
30634  CLAS  2/2/15 - 5/30/15  S  0900 - 1050  Melanie Florio  B012
LAB  2/2/15 - 5/30/15  S  1055 - 1510  Melanie Florio  B012
32626  CLAS  2/2/15 - 5/30/15  MW  1200 - 1255  Ada Brown  B012
LAB  2/2/15 - 5/30/15  MW  1300 - 1505  Ada Brown  B012
35164  CLAS  2/2/15 - 5/30/15  TR  0830 - 0925  Ada Brown  B012
LAB  2/2/15 - 5/30/15  TR  0930 - 1135  Ada Brown  B012
ART 236  
Advanced Painting II  
3 Units  
Prerequisite: ART 235  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This is a fourth semester course in painting for the art and non-art major. This course explores experimentation with traditional and contemporary methods of painting using the figure, still life, landscape, abstraction and non-objective imagery with an emphasis on continuing skill development and problem solving of interpretation, expression and conceptual issues in painting.

30641 CLAS  2/2/15 - 5/30/15  TR  0830 - 0925  Ada Brown  B012  
LAB  2/2/15 - 5/30/15  TR  0930 - 1135  Ada Brown  B012  
30649 CLAS  2/2/15 - 5/30/15  TR  1530 - 1625  Margaret Griffith  B012  
LAB  2/2/15 - 5/30/15  TR  1630 - 1835  Margaret Griffith  B012  
30659 CLAS  2/2/15 - 5/30/15  S  0900 - 1050  Melanie Florio  B012  
LAB  2/2/15 - 5/30/15  S  1055 - 1510  Melanie Florio  B012  
32627 CLAS  2/2/15 - 5/30/15  MW  1200 - 1255  Ada Brown  B012  
LAB  2/2/15 - 5/30/15  MW  1300 - 1505  Ada Brown  B012  
35166 CLAS  2/2/15 - 5/30/15  MW  0750 - 0845  Margaret Griffith  B012  
LAB  2/2/15 - 5/30/15  MW  0850 - 1055  Margaret Griffith  B012

ART 242  
Advanced Ceramics  
3 Units  
Prerequisite: ART 141  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment  
Transfers to: UC, CSU  
This is an advanced course in ceramics, open to all art and non-art majors. This class places a special emphasis on personal growth and aesthetics as well as increased proficiency on the potter's wheel. Students will investigate the concepts of management and expressive exploration of the unique characteristics of fired ceramics – both the opportunities and constraints presented in the processing of clay from a soft, plastic, fragile, impermanent substance into a hard, rigid, and completely metamorphosed material after drying and firing. It is a process that requires sensitivity to time and sequence, and demands critical informed technical management. An important aspect of the class will be having students evaluate their selection of type of clay, decorative techniques and final-firing process to achieve their desired finished results. Included in this course will be advanced problems-solving in forms, shapes, decorative techniques and glazing.

30764 CLAS  2/2/15 - 5/30/15  TR  1315 - 1410  Robert Miller  B010  
LAB  2/2/15 - 5/30/15  TR  1415 - 1620  Robert Miller  B010  
30791 CLAS  2/2/15 - 5/30/15  TR  1900 - 1955  Yumi Kiyose  B010  
LAB  2/2/15 - 5/30/15  TR  2000 - 2205  Yumi Kiyose  B010  
32747 CLAS  2/2/15 - 5/30/15  MW  0850 - 0945  Robert Miller  B010  
LAB  2/2/15 - 5/30/15  MW  0950 - 1155  Robert Miller  B010  
33646 CLAS  2/2/15 - 5/30/15  TR  0850 - 0945  Robert Miller  B010  
LAB  2/2/15 - 5/30/15  TR  0950 - 1155  Robert Miller  B010

ASL 149  
American Sign Language I  
4 Units  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment  
Transfers to: UC, CSU  
This course will provide an introduction to American Sign Language emphasizing receptive and expressive skills. The use of facial expressions during signing will also be addressed. Students will be exposed to deaf culture experiences both in the classroom and in other environments. This course is designed for people who
wish to learn to communicate with those who are deaf and hard of hearing.

**ASL 150**  
**American Sign Language II**  
4 Units  
Prerequisite: ASL 149 with a "C" or better or two years of high school ASL with a "C" or better  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment  
Transfers to: UC, CSU  
This course will provide a continuation of American Sign Language I emphasizing receptive and expressive skills. The use of facial expressions during signing will also be addressed. Students will be exposed to deaf culture experiences both in the classroom and in other environments. This course is designed for people who wish to continue learning to communicate with those who are deaf and hard of hearing.

**ASTR 110**  
**General Astronomy**  
3 Units  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment; MATH 030 or appropriate assessment  
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: ASTR 110 or ASTR 110H)  
This is a descriptive nonmathematical course designed to develop an appreciation of astronomy and a broad cosmic perspective. The emphasis of the course is on the current state of knowledge of our solar system, our galaxy, and the universe. Topics on the frontier of astronomical knowledge such as black holes and the search for extraterrestrial life will be explored. This course is designed for those with an interest in astronomy or anyone who desires to expand their cosmic horizons.

**ASTR 112**  
**Observational Astronomy**  
1 Unit  
Prerequisite/Corequisite: ASTR 110 with a grade of "C" or better  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or appropriate assessment  
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: ASTR 110 or ASTR 114)  
This course is designed to acquaint the student with the methods, techniques, and tools of the astronomer. Indoor labs will demonstrate classical methods and techniques of science. Students will learn the critical thinking processes needed to acquire and analyze scientific data. Students will become familiar with naked eye objects visible during the fall/winter [112], spring/summer [114] including constellations, planets, star clusters, galaxies, meteors, and the phases of the moon. Students will learn to locate objects visually and use astronomical coordinate systems. The development of skill in the operation of optical telescopes is emphasized. This course is designed for those with an interest in learning night skies and the tools astronomers use to explore the cosmos. Observatory facilities will be utilized often, weather permitting. Field trips are an integral part of this class.
AUTB 085
Automotive Painting II
3 Units
Prerequisite: AUTB 080
This is an advanced, industry-based course in automotive painting procedures and special effect materials used in painting. Practical experience is provided in the use of spray equipment and special tools used in automotive painting. Related technical information is presented concerning different types of custom paints and finishes, painting safety, and paint problem solving techniques.

33441 CLAS 2/2/15 - 5/30/15 M 0900 - 0955 Phillip Hutchison T157
LAB 2/2/15 - 5/30/15 MW 1005 - 1315 Phillip Hutchison T157

AUTB 099
Auto Collision Mechanical and Electronic Components
4 Units
Advisory: READ 023 or appropriate assessment; AUTB 101
This course provides a foundation in the basic principles and techniques of repair and replacement of mechanical and electronic components involved in collision. The course is designed for students with previous auto body experience and those who desire a broader overview and basic understanding of components related to auto collision repair.


AUTO 0461
Honda/Acura Occupant Safety Systems
4 Units
Corequisite: AUTO 240
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
This course provides instruction relating to specific supplemental restraint systems: cable reel, Occupant Detection Systems (ODS), electrical system voltage thresholds, impact sensor inputs, air bag deployment and Supplement Restraint Systems (SRS) safety. Students will engage in activities using special Honda diagnostic equipment to research SRS repair and safety precaution topics from the Honda Interactive Training Network (HINT). Students will also participate in instructor-led demonstrations and interactive classroom assignments. Course completion shall include finishing all of the HINT course training modules and proof of module posting on American Honda’s Dealer Personal Tracking System (DPTS). The course is a requirement for the Honda/Acura Professional Training Program (PACT Program) Air Conditioning and Supplemental Restraint Systems Certificate of Achievement and is in partial fulfillment of the Honda PACT Program AS degree.

32784 VC 2/2/15 - 5/30/15 Michael Dighera

AUTO 065
Smog Technician Diagnostic and Repair Procedures
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
This course is designed to provide the student with the ability to satisfy the Bureau of Automotive Repair (BAR) Smog Check Technician training requirement of successfully completing the Specified Diagnostic and Repair Training Course when applying for the California Smog Check Technician licensing examination. Course content includes diagnostic and repair strategies in Electrical and Electronic Systems, Engine Performance, and Advanced Engine Performance. This course is also intended for the student as a test preparation course for the Automotive Service Excellence (ASE) A6, A8, and L1 certification exams. Upon successful completion of this course, the student will receive a certificate of completion from the Rio Hondo Automotive Technology Department. Students, with permission from the Division, may re-enroll only one time for certification or licensure standards.

34523 CLAS 2/2/15 - 5/30/15 S 0800 - 1030 Kenneth Lim T121
LAB 2/2/15 - 5/30/15 S 1035 - 1200 Kenneth Lim T121
**AUTO 101**  
**Introduction to Automotive Service and Repair: Underhood Service**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This is an introductory course designed to provide the student with the fundamentals of the engine and its subsystems of the modern automobile. Students will learn basic automotive tool and equipment use and how to safely perform basic repair and maintenance operations. Students will have the opportunity to perform minor repair work on their own vehicles to complete required tasks. This course is designed to be a companion course to AUTO 103 and AUTO 106, and is one of the three prerequisite courses for AUTO 107. Students are encouraged to complete all three courses in order to obtain a firm foundation in this subject, and it is required for the General Service Technician Certificate Program.

30387  CLAS  2/2/15 - 5/30/15  W  0800 - 1030  Steve Tomory  T144  
LAB  2/2/15 - 5/30/15  W  1035 - 1200  Steve Tomory  T144

30410  CLAS  2/2/15 - 5/30/15  S  0800 - 1030  Javier Luna  T144  
LAB  2/2/15 - 5/30/15  S  1035 - 1200  Javier Luna  T144

**AUTO 103**  
**Introduction to Automotive Service and Repair: Undercar Service**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This is an introductory course designed to provide the student with the fundamentals of the transmission, brakes, suspension, heating and air conditioning, engine performance, and emission control systems of the modern automobile. Students will learn basic automotive tool and equipment use and how to safely perform basic repair and maintenance operations. Students will have the opportunity to perform minor repair work on their own vehicles to complete required tasks. This course is designed to be a companion course to AUTO 101 and AUTO 106, and is one of the three prerequisite courses for AUTO 107. Students are encouraged to complete all three courses in order to obtain a firm foundation in this subject, and it is required for the General Service Technician Certificate Program.

30401  CLAS  2/2/15 - 5/30/15  M  0800 - 1110  Steve Tomory  T144  
LAB  2/2/15 - 5/30/15  M  1035 - 1200  Steve Tomory  T144

30420  CLAS  2/2/15 - 5/30/15  W  1800 - 2030  Javier Luna  T144  
LAB  2/2/15 - 5/30/15  W  2035 - 2200  Javier Luna  T144

**AUTO 115**  
**Computerized Engine Controls and Diagnostics**  
3 Units  
Prerequisite: AUTO 106  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course is designed to provide the student with an introduction to the ASE L1 Advanced Engine Performance "Composite Vehicle" by the use of simulator boards and computer-based training methods. This is an introductory study of computerized engine controls and diagnosis as it pertains to the function and control of the engine, fuel, ignition, and emission control systems. Emphasis will be placed upon system components and their operational characteristics. Basic troubleshooting techniques of the engine, fuel, ignition, and emission control systems will be demonstrated.

30261  CLAS  2/2/15 - 5/30/15  F  0800 - 1110  Steve Tomory  T103
AUTO 118  
Light Duty Vehicle Diesel Fuel Systems & Emission Control Diagnostics  
3 Units  
Prerequisite: AUTO 101  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AUTO 108  
Transfers to: CSU  
This course is designed to strengthen existing student skills in the field of diagnosing Light Duty Vehicle diesel fuel systems and related driveability and emission control concerns. This course is also for emission control (smog) technicians desiring to take and pass the ASE A9 Light Vehicle Diesel Engines certification exam covering advanced auto/truck diesel technology. Course content includes an advanced study emphasizing the latest theories and principles and troubleshooting procedures of late-model vehicle diesel fuel systems. Emphasis will be placed on advanced diesel engine diagnosis and repair, and diesel engine air, fuel, and emission systems diagnosis and repair. The use of a variety of modern diagnostic tools and equipment is included. Students, with permission from the Division, may re-enroll only one time for certification or licensure standards.

AUTO 120  
Engine Tune-Up/Performance  
4 Units  
Prerequisite: AUTO 101  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AUTO 110; AUTO 115  
Transfers to: CSU  
This course is designed to strengthen the student knowledge of modern automotive fuel and ignition systems and the functional knowledge of system components. The class is structured to provide 'hands-on' diagnostic experience in system failure analysis, troubleshooting of components utilizing modern service repair techniques. Emphasis is placed on electronic diagnosis using Scan-Tools, DVOM, Digital Volt Ohm Meters, Lab Scopes, Exhaust Analyzers, information retrieval systems and diagnostic flow charts.

AUTO 135  
Level-II Smog Technician Training Course: Smog Check Inspection Procedures  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AUTO 130  
Transfers to: CSU  
This course is designed to provide the student with the ability to satisfy the Bureau of Automotive Repair (BAR) Smog Check Technician training requirement of successfully completing the Level-II Smog Technician Training Course when applying for the California Smog Check Technician licensing examination. Course content includes Customer Awareness, Program Administration, Equipment Maintenance, Inspection and Testing Procedures, and Pass/Fail Reports. Emphasis is placed on the practical application of the loaded and non-loaded modes of emissions testing. Lab activities focus on vehicle identification, visual and functional inspections, calibration of testing equipment, as well as performing complete smog checks inspections of vehicles. Upon successful completion of this course, the student will receive a certificate of completion from the Rio Hondo Automotive Technology Department. Students with permission from the Division may re-enroll only one time for certification or licensure standards.
AUTO 140
Body and Chassis Electrical Systems
4 Units
Prerequisite: AUTO 102 or AUTO 106
Advisory: READ 023 or appropriate assessment; AUTO 157
Transfers to: CSU
This course provides an overview of the modern automobile’s electrical system as related to the body and chassis of the vehicle. The theory of operation, operational characteristics and methods of problem diagnostics and repair for the following systems are included: lighting, instruments, windshield wipers, power windows/seats/mirrors, audio systems, convertible tops, safety restraints, (SRS) Supplemental Restraint Systems, and anti-theft systems. This course prepares the student for the (ASE) Automotive service Excellence A-6 exam and is intended for Automotive majors. Students with permission from the Division may re-enroll only one time for certification or licensure standards.

34437 CLAS 2/2/15 - 5/30/15 MW 0800 - 0925 John Frala T154
LAB 2/2/15 - 5/30/15 MW 0935 - 1100 John Frala T154

AUTO 141
Alternative Fuels I
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or appropriate assessment
Transfers to: CSU
This is an introductory course on alternative fuels as they pertain to use in modern vehicles. Various alternative fuels will be compared, such as Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG), Hydrogen, Bio-Fuel, LPG, etc. The theory of operation, system components, and the safe handling of these fuels are included. Students will develop skills in the area of vehicle preparation, system component identification, and repair procedures related to vehicles using alternative fuels. This course is designed for students and technicians working on stationary power engines, transportation and clean fuels seeking to improve skills related to the maintenance and repair of gaseous fuels. This course provides students with ASE F1 or H1 test prep information.

34990 CLAS 2/2/15 - 5/30/15 T 1800 - 2030 John Frala T121
LAB 2/2/15 - 5/30/15 T 2040 - 2205 John Frala T121

AUTO 157
Automotive Specialized Electronics Training
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AUTO 106
Transfers to: CSU
This course provides an overview of the principles of automotive electronics. Topics covered include electrical theory, fundamentals of circuit construction, computers, semiconductors, microprocessors, integrated circuits (IC), types of output signals, wire repair techniques, meter usage and strategy based diagnostics. A demonstration General Motors circuit board will be used to illustrate circuit board function. This course is designed for entry level technicians or students who need an understanding of the basics of automotive electronics.

32569 CLAS 2/2/15 - 5/30/15 R 1800 - 2215 John Frala T103

AUTO 160
Upper End Engine Rebuilding and Machining
4 Units
Prerequisite: AUTO 101 or AUTO 102
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course provides occupational preparation in the skills required in the adjustment and repair of the modern automobile engine upper end and valve train assembly. Emphasis is placed on problem diagnosis, repair techniques, service procedures, and machining operations. This course prepares the student for the (ASE) Automotive Service Excellence A-1 exam and is intended for automotive majors. Students with permission from the Division may re-enroll only one time for certification or licensure standards.

AUTO 210
Automotive Brake Systems
4 Units
Prerequisite: AUTO 103
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course discusses modern disc and drum brake theory of operation, service and repair procedures, related tool and equipment use and strategy based problem diagnosis. These procedures for imported and domestic automobiles and light trucks are developed through classroom discussions, demonstrations and laboratory experiences. This course is designed for students wanting to work in the automotive sector or automotive technicians needing to improve their skills and knowledge in Brake service. Students with permission from the Division may re-enroll only one time for certification or licensure standards.

AUTO 220
Manual Drive Trains and Axles
4 Units
Prerequisite: AUTO 103
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AUTO 125
Transfers to: CSU
This course discusses modern manual transmissions, transaxles, drivelines, differentials, and 4WD/AWD systems theory of operation, methods of repair, service, equipment operation and techniques of problem diagnosis. Procedures for import and domestic vehicles are developed through classroom discussion, demonstrations and laboratory experiences. This course prepares the student for the (ASE) Automotive Service Excellence A-3 Exam and is intended for automotive majors. Students with permission from the Division may re-enroll only one time for certification or licensure standards.

AUTO 240
Heating and Air Conditioning
4 Units
Prerequisite: AUTO 102 or AUTO 103
Advisory: ENGL 035 or ENLA 100 or appropriate assessment, READ 023 or appropriate assessment
Transfers to: CSU
This course is designed to provide instruction on the operating principles of common automotive heating and air conditioning systems. Topics include new service equipment, contamination issues, servicing and diagnosing manual and automatic systems, and retrofitting R-12 systems to R-134a, as well as the rules of AQMD/EPA. Students will be given the opportunity to earn their certification license (EPA Rule 1411). Students with permission from the Division may enroll in this course only one time for certification or licensure standards.
AUTO 290
Cooperative Work Experience/Internship for Automotive Technology Related Fields
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course supports and reinforces on-the-job training in business and industrial establishments under the supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in their area of vocational interest and will meet performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose job is related to the automotive/transportation field and have completed or enrolled in the appropriate coursework. "Contact the CWE office regarding re-enrollment procedures".

Student Unpaid Internship:
1 Unit/60 hours; 2 Units/120 hours; 3 Units/180 hours; 4 Units/240 hours

Student Paid Internship:
1 Unit/75 hours; 2 Units/150 hours; 3 Units/225 hours; 4 Units/300 hours.

BIOL 101
General Biology
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: BIOL 101 or BIOL 200)

General Biology 101 is a general education course, open to all students, and is designed to provide an introduction to concepts and principles of modern biology. Topics covered will include cell structure and function, energy relationships, genetic control mechanisms, concepts of evolution, biological diversity, and ecosystem function. The laboratory component of the course emphasizes the application of the scientific method as a tool to understanding living systems.
BIOL 111
Marine Biology
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment
Transfers to: UC, CSU
This course is designed to give the student a better understanding of the basic principles of Marine Biology and fulfills the general education lecture requirement for the life sciences. Emphasis is placed on how the scientific method is used to investigate the chemical, physical, and geological properties of the marine environment. Students will learn to distinguish among the diverse organisms and habitats that comprise the ocean's ecosystems. An introduction to the structure and function of marine ecosystems is provided and the impact of human activity on those systems will be addressed.

BIOL 111L
Marine Biology Laboratory
1 Unit
Prerequisite/Corequisite: BIOL 111
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment
Transfers to: UC, CSU
This laboratory course complements the Marine Biology lecture course and is designed for the student interested in furthering their understanding of the marine environment and its organisms, with emphasis on marine life of the local coasts. The scientific method will be employed to investigate the chemical and physical properties of seawater, the role of pigments in marine algae, the behavior of marine organisms, the basic classification and morphology of marine producers, invertebrates and vertebrates, and adaptations of organisms to specific habitats. Students will use basic laboratory equipment and techniques in both classroom and field-based investigations. Field trips to coastal marine habitats and public aquaria are conducted.
material resource use, pollution, and alternative energy sources. Students in many disciplines will benefit from this course as the social, political, and economic implications of environmental decisions are addressed. This course fulfills the general education requirement in life sciences.

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**BIOL 120L**  
Environmental Biology Laboratory  
1 Unit  
Prerequisite/Corequisite: BIOL 120  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or appropriate assessment  
Transfers to: UC, CSU  
This laboratory course compliments the Environmental Biology lecture course and is designed for students interested in furthering their understanding of the environmental sciences. The scientific method will be employed to investigate ecosystems and their functions, natural selection, population interactions, environmental toxicology, radiation exposure effects, soil and groundwater systems, water pollution, alternative energy systems, and environmental resistance.

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**BIOL 125**  
Human Anatomy  
4 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment; BIOL 101  
Transfers to: UC, CSU  
This course is primarily a systems approach to the study of human body structure. The study of each body system includes structural specializations and functions from the microscopic to the system level emphasizing the interdependence of form and function. Additional topics include methods of anatomical study, human genetics, and embryonic development. The laboratory exercises will also include vertebrate dissections. This course is intended for students preparing to enter careers in the health sciences.

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<th>Course Code</th>
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BIOL 200
Principles of Biology 1 (Molecular and Cellular Biology)
5 Units
Prerequisite: CHEM 120 and MATH 070 or MATH 070D or MATH 073 or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: BIOL 101 or BIOL 200)
This course is first in a sequence of courses for undergraduate preparation for biology majors. Areas of focus include cellular and molecular biology, bioenergetics, genetics, evolution and ecology. The laboratory portion of the course emphasizes scientific methodologies focusing on observations, experimentation, record keeping, data collection and analysis, and presentation of outcomes. The course sequence also provides excellent preparation for those students intending to pursue post-graduate studies in the medical sciences.

BIOL 201
Principles of Biology 2 (Diversity and Ecology)
5 Units
Prerequisite: BIOL 200 with a grade of "C" or better
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: UC, CSU
This course continues the sequence of undergraduate preparation for biology majors. The course is a survey of the diversity of life on earth, focusing on the relationships between structure and function. Topics deal with classification, development, evolutionary relationships and ecological functions of living organisms. Laboratories will emphasize life forms, experimentation and dissections. Field trips will be used to examine organisms in their natural settings.

BIOL 222
Microbiology
5 Units
Prerequisite: CHEM 110
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; BIOL 101
Transfers to: CSU
The course encompasses the biology of microorganisms with an emphasis on the role of bacteria and viruses on human health and disease. Other topics include resistance and immunity to disease, basic biological principles, microbial genetics and physiology, the harmful and useful aspects of microorganisms in nature, medicine and industry. Laboratory exercises emphasize sterile culture techniques, the detection, isolation and identification of microorganisms. This course is intended for students preparing to enter careers in the health sciences.
**BIOL 226**  
**Human Physiology**  
4 Units  
Prerequisite: BIOL 125 and CHEM 110  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; BIOL 101  
Transfers to: UC, CSU  
Human Physiology provides a general introduction to the function and regulation of human body systems. Physiological integration of the systems to maintain homeostasis and the significance of biochemistry is emphasized throughout the course. Course content will include neural and hormonal homeostatic control mechanisms, and a study of the musculoskeletal, circulatory, respiratory, digestive, urinary, immune and endocrine systems. Laboratory exercises will allow students to gather physiological data and draw conclusions on how physiological mechanisms are regulated. This course is intended for students preparing to enter careers in the health sciences.

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**BUSL 110**  
**Legal Environment of Business**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment  
Transfers to: UC (*credit limit), CSU (*Students will receive credit from UC for only one of the following courses: BUSL 110 or BUSL 220)  
This course examines the legal regulatory, and international environment of business. Included are the topics of alternative dispute resolution, the forms of business organization, regulations affecting employment, and current environmental statutes. Case studies are used to discuss torts, crimes, contracts and sales, warranty and product liability, labor law, employment discrimination, and environmental law.

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**CD 102**  
**Nutrition, Health and Safety for Children**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course is designed for students interested in working in group care and educational programs that enroll children from infancy to early adolescence. The course focuses on preventive health and safety practices in group care environments for both children and adults and integration of these practices into everyday program planning and development. Introduction will also be provided regarding the laws, regulations, standards, policies and procedures and child development curriculum related to child nutrition, health and safety. Topics will include prevention and recognition of infectious disease, immunization, dental and mental health, child nutrition, menu planning, sanitary food handling, prevention of injury, emergency preparedness.
and evacuation, providing services for children with special needs and child abuse prevention, identification and reporting responsibilities. The importance of program collaboration with families and health professionals will also be addressed. This course meets the Department of Social Services Classification Indicator DS7 and the State of California Department of Education Title V Child Development Permit.

**CD 103 Parenting**

3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU

This course is designed for students who are interested in gaining information to understand and work effectively with parents and to understand the parent child relationships in their own lives. The course provides a framework for topics pertinent to current parenting concepts. The following topics will be explored and examined: understanding the parenting process from infancy to adulthood, parenting in diverse culture, various life styles and family structures, alternatives to biological parenting and understanding high risk families.

**CD 106 Child Growth and Development**

3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit *), CSU (*Students will receive credit from UC for only one of the following courses: CD 106 or PSY 112)

This course provides an overview of human growth from conception to adolescence. The theories of development relevant to life through the teenage years are introduced and the social, emotional, cognitive and physical aspects of these early stages of life are addressed. This course is appropriate for students preparing for a profession working with children and their families or those interested in furthering their understanding of child and adolescent development. This course is also designed to meet the Department of Social Service Classification DS1 and applies toward the State of California Title V requirement for the Child Development Permit.

**CD 110 Principles and Practices of Early Childhood Education**

3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU

This course is designed for students desiring to work in educational programs for children from birth to age eight. The course is an examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationship, constructive adult-child interaction and teaching strategies in supporting physical, social, creative and intellectual development for all children. This course includes a review of the historical roots or early childhood programs and the evolution of the professional practices promoting advocacy, ethics and professional identity. This course meets the Department of Social Services Classification Indicator DS3 and the State of California Department of Education Title V Child Development Permit.
CD 111
Early Childhood Education Curriculum
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This introductory course presents current concepts in childhood curriculum development and implementation. The student will design curriculum based on observation and assessment of young children to support play and learning using developmental, inclusive and anti-bias principles in collaboration with families to support all children; demonstrate knowledge of the teachers’ role in evaluating best practices and apply understanding of children’s learning and development. This course is meant for students who plan to create and implement children’s educational programs. This course is also designed to meet the State of California Title 22 Department of Social Service Classification Indicator DS3 and applies toward the State of California Title V requirements for the Child Development Permit.

CD 114
Observation and Assessment
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed for students working towards a Child Development permit. The course focuses on appropriate use of assessment and observation strategies to document development, growth, play and learning in order to join with families and professionals in promoting children’s success and maintaining quality programs. Recording strategies, rating systems, portfolios, and multiple assessment methods are explored. Advantages and disadvantages of observation techniques, observer bias and cultural considerations are discussed. This course meets the Department of Social Services Classification Indicator DS 3 and applies toward the State of California Title V requirement for the Child Development Permit.

CD 115
Creative Art Experiences for Children
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course provides a comprehensive study of creativity and its impact on child development. A developmental perspective will be utilized as students explore creative art and its impact on the whole child, the artistic development process, aesthetics, the elements of art, specific art program approaches, artistic styles, facilitating and supporting creative art experiences for children, art assessment techniques and specific art experiences. This course is appropriate for students interested in working with children in group care and educational environments. Applies towards the State of California Title 22 Department of Social Services Classification Indicator DS 3 and State of California Teacher Credentialing requirements for the Child Development Permit.

CD 118
Development of Science and Math Experiences
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course provides a framework from which to explore the theories, philosophies, principles, and implementation of science and math experiences for children from birth to early adolescence. Emphasis is placed upon theoretical and developmental foundations with practical application in the form of...
developmentally appropriate activities for use in the school and the child care center. This course is targeted for students preparing for a career in teaching children. The course meets the Department of Social Services Classification Indicator DS3 and applies towards the State of California Department of Education Title V Child Development Permit.

CD 120
Experiences in Language Arts
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed for students who are interested in promoting and facilitating the language development of children. The course is a study of philosophies, principles and implementation of language arts experiences for children from birth to early adolescence. The theoretical basis of language development and systems of teaching literacy will be addressed. Literature, Dramatics, flannel board stories, puppetry, and storytelling are incorporated into the course as strategies for language acquisition as well as literacy activities. The course meets State of California Commission on Teacher Credentialing requirements for the Child Development Permit and Department of Social Service Classification Indicator DS3.

CD 208
Child, Family and Community
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for students desiring to work with children in a group setting, as well as for parents and others who wish to further their understanding of how the socio-cultural environment affects the developing child. The course examines the historical and contemporary interrelationship of family, school and community on child development. The process of socialization and identity formation will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families. This course meets the Department of Social Services Classification Indicator DS2 and the State of California Department of Education Title V Child Development Permit.

CD 211
Infants and Toddlers
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is a study of factors that affect the developmental progress of children from birth through 2 years. Current developmental theories specific to this age and practical applications that nurture the cognitive, language, emotional, social, personality, and motor development are explored. Emphasis will be placed on the role of the adult in designing, assessing and implementing the educare (education and caring) of infants and toddlers. Culturally sensitive care, as well as early recognition and intervention for infants and toddlers with special needs is discussed. This course is recommended for students who are interested in working with infants and toddlers in center-based programs, family child care and parental care. This course meets The Department of Social Services Classification Indicator DS4 and applies towards the State of California Department of Education Title V Child Development Permits.
CD 224
Diversity Issues During Early Childhood, School Age and Adolescence
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course addresses the similarities, variety and multiplicity found within programs and educational settings for Young Children, School Age Children and Adolescents. Topics covered include: family values, culture, race, gender, social class, sexual preference, language and abilities. Focus will also be placed on developmental appropriateness in addressing diversity, parental perspectives and the effects of diversity on the domains of development. This course is designed for students wishing to work in children's programs and educational settings. This course meets the Department of Social Services Classification Indicator DS 3 and applies towards the State of California Department of Education Title V Child Development Permits.

30415 CLAS 2/2/15 - 5/30/15 R 1900 - 2210 Debra Ward A208
31697 CLAS 2/2/15 - 5/30/15 MW 1115 - 1240 Kelly Lynch CDC5

CD 226
Introduction to Special Education
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course introduces students to the field of special education. Instruction will focus on understanding basic strategies for working with children, birth to early adolescence, that are at-risk or have a diagnosed disability. Issues related to family dynamics and education resources and strategies will also be discussed. Public policy requires that children with special needs are learning in environments with their same-age peers. This course will prepare students who wish to work in children's programs or educational environments to facilitate the learning and development of children with special needs. Applies toward the State of California Teacher Credentialing requirements for the Child Development Permit.

30468 CLAS 2/2/15 - 5/30/15 MW 0805 - 0930 Kelly Lynch CDC5
33486 CLAS 2/2/15 - 5/30/15 M 1250 - 1600 Sondra Moe CDC5

CD 228
Early Childhood Education Practicum
3 Units
Prerequisite: CD 106, CD 110, CD 111, CD 114 and CD 208
Advisory: READ 023 or appropriate assessment
Transfers to: CSU
In this capstone course the student will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of Child Development faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. This course is designed for students looking for a supervised field/laboratory experience in an early childhood setting. The course meets The Department of Social Services Classification Indicator DS3 and applies towards the State of California Department of Education Title V Child Development Permits.

30419 ARR 2/2/15 - 5/30/15  Sondra Moe

CD 232
Educating Children with Special Needs
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course will prepare students and parents to participate in the planning and implementation of programming for children with special needs. The course focuses on supporting the educational process of children with special needs within group settings utilizing multidisciplinary approaches that incorporate the family in the planning and implementation of programming. Topics will include assessment, diagnosis, appropriate placement, individualized program planning and educational approaches and adaptations. Criteria outlined by laws regarding Special Education and court rulings will be addressed along with the issue of program accountability. The course meets State of California Commission on Teacher Credentialing requirements for the Child Development Permit and Department of Social Service Classification Indicator DS3.

CHEM 110
Chemistry for Allied Health Majors
5 Units
Prerequisite: MATH 050 or MATH 050D or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment;
Concurrent enrollment in MATH 070 or MATH 070D
Transfers to: UC (credit limit*), CSU (* The UC will grant credit for only one of the following courses: CHEM 110, CHEM 120)
This course provides an introduction to the fundamental concepts of general, organic, and biological chemistry, and is especially appropriate for students intending to pursue a career in nursing and other health-related professions, including kinesiology and psychology. Emphasis is placed on the relationship between chemistry and the health/medical sciences. Weekly laboratory activities require students to empirically verify concepts presented in lectures. No previous background in chemistry is required or expected of students enrolling in this course.

CHEM 120
Introduction to Chemistry
5 Units
Prerequisite: MATH 070 or MATH 070D with a grade of "C" or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (* The UC will grant credit for only one of the following courses: CHEM 110, CHEM 120)
This one-semester course is designed for students intending to major in science or engineering. The course primarily prepares students for Chemistry 130; additionally, it fulfills the general education requirement in the physical sciences. This course introduces the fundamental principles of general chemistry, with emphasis on chemical nomenclature and quantitative problems in chemistry. The lecture presents classical and modern chemistry including atomic theory, periodic properties, chemical bonding, chemical reactions,
Chemistry 130
General Chemistry
5 Units
Prerequisite: CHEM 120 with a grade of "C" or better
Advisory: ENGL 101; READ 023 or appropriate assessment; MATH 175 or appropriate assessment
Transfers to: UC, CSU
Chemistry 130 is the first semester of a two semester sequence designed for students intending to major in science and engineering. The lecture course covers classical/modern chemistry, with applications, in stoichiometry and classical atomic theory of chemistry, periodic properties, gas laws, modern quantum theory of atomic and molecular structure and periodic properties, thermochemistry, liquids and solids, solution chemistry. The laboratory introduces experimental chemistry with examples from all areas of chemistry.
introduced. Descriptive chemistry of representative metallic and nonmetallic elements is included. The Laboratory introduces experimental chemistry with examples from areas of kinetics, equilibrium, acid/base and buffer preparation, differential titration, electrochemistry, and qualitative analysis. Modern instrumental methods are used in some exercises.

CHEM 231
Organic Chemistry II
5 Units
Prerequisite: CHEM 230 with a grade of "C" or better
Transfers to: UC, CSU
This course, the second of a two-semester sequence, provides a rigorous introduction to the practical and theoretical aspects of organic chemistry. The chemistry of aromatic and carbonyl-containing compounds will be emphasized throughout the course of the semester. Bioorganic compounds will be introduced. Particular emphasis will be placed on thermodynamic and kinetic aspects of reactions, the detailed examination of reaction mechanisms, and the design of multi-step syntheses. Laboratory exercises require students to use the techniques learned in the previous semester to carry out more complex reactions and multi-step synthesis. Additionally, students will investigate the techniques of organic qualitative analysis. This course is appropriate for students majoring in chemistry, biological sciences, and chemical engineering, and satisfies the admissions requirements for medical, dental, veterinary, and other health-related graduate programs.

CHIN 101
Chinese I
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course provides the student with an introduction to the Chinese language and culture. The course stresses oral and written proficiency through fundamental use of Chinese pronunciation and the Pinyin Spelling System. Students will also receive an introduction to Chinese characters. In addition to classroom discussion, students receive intensive individualized oral-aural practice in the language laboratory via interactive websites, audio CDs, video programs, and CD ROMs. Various facets of Chinese history, culture and civilization will also be analyzed via cross-cultural comparisons. This course is intended for those interested in learning to speak Chinese as well as for those seeking a degree in the Chinese language.

CHIN 102
Chinese II
4 Units
Prerequisite: Completion of CHIN 101 with a "C" or better, or completion of 2 years high school Chinese with a "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is a continuation of the essentials of the Chinese Language. The course stresses oral and written proficiency through fundamental use of Chinese pronunciation and the Pinyin Spelling System. Students will continue to further their knowledge of Chinese characters. In addition to classroom discussion, students receive intensive individualized oral-aural practice in the language laboratory via interactive websites, audio CDs, video programs, and CD ROMs. Various facets of Chinese history, culture and civilization will also be analyzed via cross-cultural comparisons. This course is intended for those interested in learning to speak
Chinese as well as for those seeking a degree in the Chinese language.

CHST 101
Introduction to Chicano Studies
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This is an introductory course that examines the cultural, economic, educational and political issues as they impact the Chicana/o in the U.S. Topics include Chicana/o identity, ethnic/racial paradigms, gender, language, race, educational attainment, immigration, labor, and poverty. Students interested in this course may include individuals with familial or personal connections to the Chicano (Mexican-American) community and/or those intending to work in environments with high concentrations of this population.

CHST 146
The Mexican American in the History of the U.S.
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is a survey of the history of the Mexican/Mexican-American people in the United States presented in the context of U.S. history and government. The course begins with a discussion of the Mexican American War and the Treaty of Guadalupe Hidalgo, and goes on to examine the Mexican American struggle for full integration into U.S. society. Key topics include repatriation, unionism, Mexican American GIs on the Pacific and European war front, postwar struggles for economic and social justice, radicalism, and concludes with an examination into the dramatic growth of the Mexican/Mexican-American population in the U.S. Students interested in this course may include individuals with familial or personal connections to the Chicano (Mexican-American) community and/or those intending to work in environments with high concentrations of this population.

CHST 148
La Chicana: The Contemporary Mexican-American Female (Same as SOC 148)
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This introductory course explores the racial/ethnic identity formation of Chicanas/Mexican origin women in the United States. Course themes include an examination into the genesis of the term “Chicana”, the emergence of Chicana feminism, and the intersection of race, gender, class, and sexuality in relation to the formation and study of Chicana identities. This course is an interdisciplinary one, drawing on methodologies from racial/ethnic studies, women/gender studies, queer studies, history, literature, sociology, and popular culture. This course is appropriate for students interested in furthering their understanding of the social construction of the Mexican American woman.

CHST 150
Chicano Politics (Same as POLS 150)
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course examines U.S. history and political issues relevant to the Chicano/Latino community, provides an overview of Chicano/Latino demographics in the U.S. examines Chicano/Latino political activism and the rise of Chicano/Latino political leadership. Students interested in this course may include individuals with familial or personal connections to the Chicano (Mexican-American) community and/or those intending to work in environments with high concentrations of this population.
**CIT 060**  
*Windows Operating System*  
3 Units  
Advisory: CIT 100A  
This course is a comprehensive course of the Microsoft Windows operating system and its graphical user interface. The student will learn: Graphical User Interface/Mouse, My Computer, File Management with Explorer, WordPad, Paint, and data sharing using the Clipboard. The Find program, object linking and embedding, printers and fonts will also be included. Networking capabilities of Windows will be used and disk maintenance tasks will be performed.

**CIT 101**  
*Introduction to Computer Information Technology*  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; CIT 100A  
Transfers to: UC, CSU  
This is an introductory computer course, which offers students both fundamental computer concepts and training in spreadsheets and database microcomputer applications. Topics include the importance of computers in business and society, the information processing cycle, the Internet, communication and networks, the latest hardware and software developments, and planning a career as a computer professional or a computer user. This is the basic computer course designed for Business majors.

**CIT 107**  
*Microsoft® Excel®*  
3 Units  
Advisory: READ 023 or appropriate assessment; CIT 101A  
Transfers to: CSU  
This is a comprehensive spreadsheet application course which will provide instruction in the use of the latest version of spreadsheet software for business applications. Students will learn to create and format a workbook, work with formulas and functions, create charts, tables and PivotTables. Students will also learn advanced functions, and develop Excel applications. This course is intended for students desiring to complete the requirements for the Computer Information Technology Microcomputer Specialists Degree or professionals wanting comprehensive knowledge of Microsoft® Excel®.
Advisory: READ 023 or appropriate assessment; CIT 101
Transfers to: CSU
This is a thorough microcomputer database applications course, which will provide instruction in the use of the latest version of database software for business applications. Students will learn to create and modify tables, build table relationships, add and edit records, create forms for data entry, produce simple queries and reports, advanced query functions, custom forms design for data entry, custom report writing, and sharing and integrating data with Web pages. This course is intended for students desiring to complete the requirements for the Computer Information Technology Degree or professionals wanting a thorough introduction to Microsoft® Access®.

CIT 115
Introduction to Visual Basic Programming
4 Units
Advisory: READ 023 or appropriate assessment; CIT 111
Transfers to: UC, CSU
This course is intended for students desiring to complete the requirements for the Computer Information Technology Degree or professionals wanting an introduction to Visual Basic Programming. This course will cover the fundamentals of software development using the most popular language – Visual Basic. Course topics include: designing programs, writing the source code, compiling, linking, executing and debugging programs, data types, arithmetic/logical expressions, procedures, decisions, repetition, arrays, processing sequential files, processing random access files, graphical display, controls and objects.

CIT 125
C++ Programming - Introduction
4 Units
Advisory: READ 023 or appropriate assessment; CIT 111
Transfers to: UC, CSU
This course is intended for students desiring to complete the requirements for the Computer Information Technology Degree or professionals who want to continue developing their programming skills using Visual C++ programming language. This course will cover the fundamentals of software development using the most popular language: C++. The topics covered include: designing, writing the source code, compiling, linking, executing, debugging, data types, arithmetic/logical expressions, pointers, looping, branching, classes, objects and static and dynamic memory allocation.

CIT 126
C++ Programming - Advanced
4 Units
Prerequisite: CIT 125Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is intended for students desiring to complete the requirements for the Computer Information Technology Degree or professionals who want to continue developing their programming skills using an object-oriented programming language. This course will review the fundamentals of software development and cover the advanced programming skills using the C++ language. Advanced topics include: classes and data abstraction, operator overloading, inheritance, virtual function and polymorphism, stream I/O and Exception Handling.

CIT 135
Introduction to Java Programming
4 Units
Advisory: READ 023 or appropriate assessment; CIT 111
Transfers to: UC, CSU
This course is intended for students desiring to complete the requirements for the Computer Information Technology Degree or professionals wanting an introduction to Java Programming. This course will cover the fundamentals of software development using the most popular Open Source language – Java. Course topics include: program design, algorithms, writing and testing source code, arithmetic/logic expressions, control structures, objects and basic Java structures.

34448 CLAS 2/2/15 - 5/30/15 S 1230 - 1645 Shin Liu B115

CIT 152
Introduction to Web Page Design for Business
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment; MATH 030 or MATH 030D or MATH 033 or appropriate assessment; CIT 101
Transfers to: CSU
This course provides students with an understanding of the fundamentals of HTML (Hypertext Markup Language) programming to design Web pages. Students will create custom Web pages for personal Internet and business Intranet environments. Students will also learn to use cascading style sheets (CSS) and scripting languages.

35112 CLAS 2/2/15 - 5/30/15 T 1115 - 1240 Jon Whitford B113
LAB 2/2/15 - 5/30/15 R 1115 - 1355 Jon Whitford B113

CIT 155
Introduction to E-Commerce
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment; MATH 030 or MATH 030D or MATH 033 or appropriate assessment; CIT 101
Transfers to: CSU
This course offers a hands-on problem-solving approach for learning the basic to more advanced features of doing business on the Internet. You will learn to use E-commerce effectively, such as: gather corporate information, make a purchase online, develop an effective company Web site, or find global trading partners. You will learn how and why electronic commerce is an important part of our economy and our society.

30914 CLAS 2/2/15 - 5/30/15 TR 0940 - 1105 Jon Whitford B113
32678 CLAS 2/2/15 - 5/30/15 W 1900 - 2210 Jon Whitford B113

CIT 210
Telecommunications in Information Systems
3 Units
Advisory: READ 023 or appropriate assessment; CIT 101
Transfers to: CSU
This is a course designed to familiarize the student with the terminology and capabilities of data communications systems. Mastery of this material will enable participation in decisions regarding alternative configurations of data communications components. This course specifically covers that part of telecommunications that relates to computer systems, or the electronic transmission of computer data. Students will be expected to complete case assignments outside of class.

35110 CLAS 2/2/15 - 5/30/15 M 1800 - 2110 Rodolfo Rios B115

CIT 290
Cooperative Work Experience/Internship for Computer Technology Related Fields
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course supports and reinforces on-the-job training in business and industrial establishments under supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in their area of vocational interest and will meet
performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose job is related to the field of Business Management and have completed or enrolled in the appropriate coursework. “Contact the CWE office regarding re-enrollment procedures”.

**Student Unpaid Internship:**
1 Unit/60 hours; 2 Units/120 hours;
3 Units/180 hours; 4 Units/240 hours

**Student Paid Internship:**
1 Unit/75 hours; 2 Units/150 hours;
3 Units/225 hours; 4 Units/300 hours.

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**CIV 140**

**Civil Drafting Fundamentals**
3 Units
Advisory: ENGT 101 or two years of high school drafting; ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment.
Transfers to: CSU
This course is for all students interested in the career field of Civil Design Drafting and Civil Engineering. The course is a study of civil design drafting practices and the preparation of drawings used in the civil engineering field. Students will use Computer Aided Drafting (CADD) software to complete projects relating to interpretation of survey data, profiles and cross sections, land subdivision, site and grading plans, underground utilities and structures, concrete and structural detailing.

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**CIV 142**

**Introduction to Surveying and GPS**
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment; CIT 102
Transfers to: CSU
This course is for all students interested in the career field of Civil Design Drafting, Surveying/Mapping, and Civil Engineering. Introduction to Surveying and GPS will cover the principles and practices of land surveying which will include the measuring of distance, direction, elevation and position, topographic mapping, and use and care of surveying equipment. The fundamentals of global positioning systems (GPS) and their applications in land surveying will also be introduced. This course will also be beneficial for those in the construction industry who need to acquire property data.

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**CIV 143**

**Applications to Surveying and GPS**
4 Units
Prerequisite: CIV 142
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment
Transfers to: CSU
This course is for all students with a basic understanding of surveying who are interested in pursuing a career in the field of Land Surveying. This course presents advanced applications that will cover the theory
and practice of plane surveying, including principles of position, horizontal and vertical curves, construction staking, alignments, field procedures, U.S. Public Land Survey System, Boundary Surveying, use and care of surveying equipment.

CIV 241
Civil Engineering Drafting and Design
3 Units
Prerequisite: ENGT 200
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is for all students interested in the career field of Civil Design Drafting and Civil Engineering. Civil Drafting and Design is an intermediate level class in which the practices and the preparation of drawings, pertaining to the civil engineering field, will be expanded to include the development of maps and drawings used for transportation, site development, grading and drainage and road alignment. The student will use Computer Aided Drafting (CADD) to complete the above mentioned projects. Other topics to be covered will include specifications, site details for utilities and underground piping, structural plans and integration of Geographic Information Systems (GIS).

CIV 245
Civil Engineering Design and Modeling
3 Units
Prerequisite: ENGT 170
Advisory: READ 023 or appropriate assessment; ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: CSU
This course is for all students interested in the career field of Civil Engineering Design Drafting and Civil Engineering. Civil Design & Modeling is an advanced level class which includes design analysis and the preparation of drawings used in the civil engineering field. The student will use civil engineering software, such as In-Roads and Land Desktop to design, analyze and develop projects relating to transportation, site development, grading, drainage and road alignment and alternatives. Other topics to be covered are terrain modeling, surface editing, alignment editing, plan, profile, cross-sections, earthwork computations and site planning design.

CIV 290
Cooperative Work Experience/Internship for Civil Related Fields
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course supports and reinforces on-the-job training in business and industrial establishments under supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in their area of vocational interest and will meet performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose job is in civil engineering design / drafting related fields and have completed or enrolled in the appropriate coursework. Instructor approval is needed to remain in the class. "Contact the CWE office regarding re-enrollment procedures".

Student Unpaid Internship:
1 Unit/60 hours; 2 Units/120 hours;
3 Units/180 hours; 4 Units/240 hours
**Student Paid Internship:**
1 Unit/75 hours; 2 Units/150 hours;
3 Units/225 hours; 4 Units/300 hours.

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**CORR 101**
**Introduction to Corrections**
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed to provide Corrections or other interested students with an overview of the history and trends of adult and juvenile corrections. It will focus on probation, parole, legal issues, specific laws and the general operation of correctional institutions. The relationship between corrections and other components of the justice system will also be examined. This course has been identified by the Correctional Peace Officer Standards and Training Board of the Peace Officers Association to fulfill educational requirements of the CPOST Certificate for newly hired officers after July 1, 1995 by CDC and CYA.

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**CORR 104**
**Control and Supervision in Corrections**
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; CORR 101
Transfers to: CSU
This course is designed to provide Corrections or other interested students with an overview of supervision of inmates in the local, state and federal correctional institutions. The issues of control in a continuum form of institutional daily living through crisis situations will be introduced and discussed. The course will emphasize the role played by the offender and the correctional worker. Topics include inmate subculture, violence and effects of crowding on inmates and staff, and coping techniques for correctional officers in a hostile prison environment. The causes and effects of abusive tactics will also be discussed. This course has been identified by the Correctional Peace Officer Standards and Training Board of the California Department of Corrections, California Youth Authority, and California Correctional Peace Officers Association to fulfill educational requirements of the CPOST Certificate for newly hired officers after July 1, 1995 by CDC and CYA.

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**CORR 106**
**Legal Aspects of Corrections**
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; CORR 101
Transfers to: CSU
This course is designed to provide Corrections or other interested students with an awareness of the historical framework, concepts, and precedents that guide correctional practice. Course material will broaden the individual's perspective of the corrections environment, civil rights of prisoners, and responsibilities and liabilities of corrections officials. This course has been identified by the Correctional Peace Officer Standards and Training Board of the California Department of Corrections, California Youth Authority, and California Correctional Peace Officers Association to fulfill educational requirements of the CPOST Certificate for newly hired officers after July 1, 1995 by CDC and CYA.

COURSE 30670 WEB 2/2/15 - 5/30/15 Arnold Adauto
COURSE 31923 WEB 4/6/15 - 5/30/15 Jesus Verdiell

COURSE 134
Introduction to Interviewing and Counseling
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; CORR 101
Transfers to: CSU
This course is designed to provide Corrections or other interested students with an overview of the techniques available to entry level practitioners in counseling and interviewing. While it is an introduction to approaches of behavior modification through interviewing and counseling, some of the advanced methods utilized by professional counselors such as game concepts, transactional analysis, sensitivity and confrontation methods will also be examined. The development of positive relationships between the client and support personnel will be stressed.

COURSE 30845 WEB 2/2/15 - 5/30/15 Carley Mitchell

COURSE 208
Leadership in Corrections
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed to provide Corrections or other interested students with an overview of the skills necessary to be an effective leader in a correctional setting. Topics addressed include the unique challenges faced by executives managing in prison settings, approaches to ensuring the creation and maintenance of a safe prison environment, and techniques for personnel development.

COURSE 30783 WEB 2/2/15 - 5/30/15 Carl Jones

COURSE 209
Case Load Management
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed to provide Corrections or other interested students with an introduction to effective caseload management in a correctional setting. Topics include the laws, policies, and bargaining units that govern caseload management. Specialized supervision issues such as offenders with psychological problems and second strike offenders will also be addressed.

COURSE 30861 WEB 2/2/15 - 5/30/15 Carl Jones
COURSE 31926 WEB 4/6/15 - 5/30/15 David Balch

COURSE 210
Supervision in Public Safety
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed to provide Corrections or other interested students with an overview of the characteristics needed to be an effective supervisor in a correctional setting. Topics include basic supervisory responsibilities, the importance of effective interpersonal communications, and managing personnel complaints in a prison setting.

30804 WEB 2/2/15 - 5/30/15 David Balch

**CORR 235**
Conflict Resolution
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment

Transfers to: CSU
This course is designed to provide Corrections or other interested students with an in-depth understanding of conflict situations in which abnormal or non-normal behavior is manifested. Topics covered include concepts of anxiety, fear, frustration, hostility, aggression, motivation and manipulation roles. Racial and cultural segregation, crowd and mob interaction, alcohol, drugs, sexual problems, character, neurotic and psychotic disorders, youthful offenders, stress of incarceration and brain disorders will also be discussed.

30909 WEB 2/2/15 - 5/30/15 David Balch
31928 WEB 4/6/15 - 5/30/15 Christopher Gold

**CORR 264**
Inmate Discipline in Corrections
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AJ 101

Transfers to: CSU
This course is designed to provide Corrections or other interested students with the correctional process of inmate discipline. Topics covered include due process, disciplinary process, disciplinary reports, findings and disposition. The curriculum covered is recommended by the California Commission on Peace Officer Standards and Training.

30859 WEB 2/2/15 - 5/30/15 Tarek Azmy

**CORR 265**
Supervision of Sex Offenders
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AJ 101

Transfers to: CSU
This course is designed to provide California Peace Officers or other interested students with instruction into the correctional process of supervision of inmates who have been convicted of sex offenses. Topics include human sexuality and dysfunctions, theories of sexual offense, offender typologies and supervision techniques. The curriculum follows that recommended by the California Commission on Peace Officer Standards and Training.

30260 WEB 2/2/15 - 5/30/15 George Kimber

**CORR 290**
Public Safety Communications
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; AJ 101

Transfers to: CSU
This course is designed to provide California Peace Officers or other interested students with an in-depth understanding of public safety communication in the correctional field. Topics include techniques of effectively communicating facts of information and ideas in a clear and logical manner for public safety reports. Students will gain practical experience in interviewing, note taking, report writing, and testifying.

31308 WEB 2/2/15 - 5/30/15 Tarek Azmy
**COUN 101**  
**College and Life Success**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 3 units credit for COUN 101, 101A, 101B and 151 combined)  
This course provides an exploration of cognitive, psychological, social, and physical factors influencing success in college and in life. Topics include personal responsibility, critical thinking, motivation, self-efficacy, personal awareness, life-long learning, self-management, health and wellness, interpersonal communication in a diverse world, and introduction to career and educational planning. Students will learn about the purpose, demands, requirements, and support services of higher education including both Rio Hondo College and four year institutions.

**COUN 105**  
**Orientation and Education Planning**  
0.5 Units  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment  
Transfers to: CSU  
This course is designed for first-time college students as well as students who have not yet developed an individual education plan. Students will be oriented to Rio Hondo College policies and procedures, learn about certificate/degree options within the higher education system, and the graduation/transfer requirements within these systems. The course will culminate in the development of an individual education plan based on each student’s specific academic goal.

**COUN 151**  
**Career Exploration and Life Planning**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 3 units credit for COUN 101, 101A, 101B and 151 combined)

This course will examine student, career and self-development theories to empower students to make effective decisions throughout their lifespan by engaging in the process of career and life planning from a psychological, sociological and physiological perspective. Students will compare and contrast human development and career theories, decision-making, factors that contribute to college success, life skills, adult workplace competencies, values, interest, abilities, and personality, labor market trends in a global economy, and successful job search and workplace behaviors.

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**DANC 114**
Conditioning and Alignment for the Dancer
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU

This course is designed to provide the physical training and preparation for students interested in Dance, Yoga, and/or Pilates and is suitable for individuals seeking to move with greater efficiency and less pain in everyday activities. Students will learn how to move the body in a safe and effective manner and develop strength, flexibility, proper alignment, agility, balance and coordination. Course work is designed for those wishing to work at a more deliberate pace and in a non-competitive atmosphere, or who are recovering from prior injury.

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**DANC 151**
Modern Dance I
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU

Modern Dance I is an introductory course for those students who seek technical skill in Modern dance. Emphasis will be placed on developing contemporary technique as well as conditioning the body by improving posture, flexibility, strength, and coordination. Improvisation and creative expression will also be explored. This course may be taken once and repeated three times for credit.

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**DANC 153**
Ballet I
1 Unit
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This is an introductory course for those students who seek technical skill in classical ballet. The course will focus on body alignment, traditional steps and combinations, musicality, ballet terminology, and the development of strength and flexibility. Students will also gain knowledge of contemporary influences on ballet. This course may be taken once and repeated three times for credit.

DANC 157
Hip-Hop Dance
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU
Students will learn various forms of beginning hip-hop dance, including pop and lock, hip-hop funk, syncopations and rhythms. The class will explore the use of space, energy, rhythm, and improvisation while emphasizing body control, alignment, balance, and use of weight changes. A basic history of hip-hop culture will be discussed. The course appeals to dancers seeking careers in dance, students looking to expand their dance skills, and those wanting an aerobic work-out.

DANC 180
Performance
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; DANC 151; DANC 159; DANC 251
Transfers to: UC, CSU
This course provides dance students the opportunity to participate in dance productions. Productions will be presented for public performance either on and/or off campus. Students will learn how to adjust a performance for presentation on a stage, pre- performance and post-performance responsibilities will be outlined. In addition students will be exposed to basic stage direction and techniques for overcoming stage fright. This course may be repeated to a maximum of 4 units in different semesters.

DANC 199
Dance Appreciation
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This survey course is a multi-cultural exploration of one of the world's oldest and most universal art forms. The history of ballet, jazz, modern, hip-hop, and musical theater dance are investigated through lecture, video and demonstration. In addition, dance will be analyzed in terms of Body, Effort, Space, and Shape and examined for cultural, social and political influences. This course is designed for students who want to gain an understanding of dance and for dance majors who want to broaden their knowledge.

ECON 101
Principles of Macroeconomics
3 Units
Prerequisite: MATH 050 or MATH 050D or MATH 053 with a grade of "C" or better or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This is an introductory course in which students learn to describe and analyze the performance and policies of national economic systems, with an emphasis on the US economy. It is intended for Economics or Business majors as well as to satisfy General Education requirements. Topics include production possibilities and tradeoffs; comparative economic systems; functions of government; national income and employment;
business cycles; money and banking; monetary and fiscal policy; comparative advantage and trade policy; economic growth and stability; and income distribution and poverty.

ECON 102
Principles of Microeconomics
3 Units
Prerequisite: MATH 050 or MATH 050D or MATH 053 or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This is an introductory course in economic analysis of markets, intended for Economics and Business majors as well as to satisfy General Education requirements. It may be taken prior to Econ 101. Students will learn how markets work to coordinate consumers and producers in an economy, various causes of the failure of free markets and policies used to correct or regulate market behavior.

ECON 102H
Principles of Microeconomics Honors
3 Units
Prerequisite: ENGL 101 with a grade of "C" or better; MATH 070 or appropriate Assessment
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This is an introductory course in economic analysis of markets, intended for Economics and Business majors as well as to satisfy General Education requirements, and may be taken by any student who has completed English 101 with a "C" or better. It may be taken prior to ECON 101. Students will learn how markets work to coordinate consumers and producers in an economy, various causes of the failure of free markets and policies used to correct or regulate market behavior. Students will do a research project on an actual economic policy or a theoretical view.

ECON 106
Economics of Contemporary Issues
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
The course is an introductory course designed for students interested in exploring how the tools of economics are used to analyze and debate critical issues facing society today. Economics will be applied to issues such as: health care, trade deficits, social security, crime, pollution, alternative energy, income inequality, global development, housing and homelessness, and immigration.
ED 110
Introduction to Teaching
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed to introduce students to the profession of teaching through lecture and observation of K-12 classrooms and public schools. The major aspects of the teaching profession will be examined, the diversity of the public school system will be discussed, and students will gain experience in all three levels of the K-12 system. This course is intended for students considering a career in teaching.

EDEV 021
Literacy Skills II
3 Units
Prerequisite: Appropriate skill level demonstrated through the RHC Placement Process
Corequisite: Concurrent enrollment in EDEV 021L
This course is designed for students with learning disabilities who need to improve basic reading skills such as dictionary usage, vocabulary development, and reading comprehension. Students practice specific learning strategies needed to compensate for diverse learning styles or deficits. This is a non-degree applicable course and is offered on a pass/no pass basis. All students are required to concurrently enroll in the one-unit reading lab, EDEV 021L.

EDEV 021L
Literacy Skills II Lab
0.5 Units
Prerequisite: EDEV 021
Corequisite: EDEV 021
This course is a skills class designed for students with learning disabilities who need to improve reading comprehension and vocabulary through individually prescribed lab work. Students will complete reading tasks designed to complement the activities of their reading course. Students are required to be concurrently enrolled in EDEV 021, Literacy Skills II.

EDEV 022
Basic Arithmetic
3 Units
This course is a review of the basic principles and skills of arithmetic. The general areas of review are operations of whole numbers and fractions, operations with decimals and proportional thinking, percent problems and applications to percents. This course is designed for students with special needs to master basic computational skills, develop problem solving and arithmetic skills, and acquire learning strategies to allow them to function successfully upon matriculating into upper level mathematics courses. This is a non-degree applicable course.

EDEV 024
Assessment for Learning Disabilities
1 Unit
Advisory: Appropriate placement though the Learning Disabilities Assessment Process
This course provides intensive diagnostic learning assessment for students with learning disabilities. A profile will be developed through cognitive and achievement assessment which will emphasize specific academic and learning modality strengths and weaknesses. Students will develop a Student Education Contract to help them improve in reading, writing, spelling, computation, and learning skills as well as plan for future educational support. Recommended for all students who suspect they may have a learning disability. This is a
non-degree credit course.

EDEV 026
Consumer Math
3 Units
This course is specifically designed for the Developmentally Delayed Learner (DDL) and students with special learning needs who would like to apply their math abilities to the workplace and everyday life. Home and money management; banking/obtaining credit; math skills in the workplace; use of calculators; time cards/taxes and benefits; and basic reading, writing, and math across the curriculum are emphasized in the course. Guest speakers will be invited and student projects will reflect the students’ conceptualization and ability to put into practice what is learned. This is a non-degree credit course.

EDEV 030
English Skills
3 Units
Corequisite: EDEV 030WThis course is designed for students with learning disabilities who need to improve basic writing skills. A process approach to writing is integrated with reading assignments to provide a variety of writing experiences. Students practice strategies to develop thinking, language, and writing skills. This course is the beginning level of composition; it prepares students for success in ENGL 035 or ENGL 101. This is a non-degree credit course and is offered on a pass/no pass basis. Students are required to concurrently enroll in EDEV 030W.

EDEV 030W
English Skills Workshop
1 Unit
Corequisite: EDEV 030This course is a skills class to assist students with learning disabilities in improving writing and language skills through instruction with the Learning Disabilities Specialist. Students will perform writing tasks designed to complement the activities of their composition class. This is a non-degree course and is offered on a credit/no credit basis. Students are required to concurrently enroll in EDEV 030, English Skills.

EDEV 134
Study Techniques
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: CSU
This is a course in college study skills which also addresses the needs of students identified with special learning needs. Students are taught specific techniques, principles, and strategies which enable them to effectively acquire, integrate, store, and retrieve information and thus become more successful students. Topics in this course include in-depth instruction in critical reading and thinking, time management, memory techniques, note-taking, test-taking, creativity, and communication. Students are encouraged to utilize appropriate college resources.

ELEC 060
D.C. and A.C. Fundamentals
3 Units
Advisory: READ 023 or appropriate assessment
This introductory course in D.C. & A.C. electricity is for general audience and for those contemplating a
career in the powerline (electrical) industry. Course content includes basic theory, resistance, capacitance, inductance, simple D.C. & A.C. circuits, transformers, measuring instruments, batteries, motors & generators.

30852  CLAS  2/2/15 - 5/30/15  R  0800 - 1030  David Lindy  T101
LAB  2/2/15 - 5/30/15  R  1035 - 1200  David Lindy  T101

ELEC 064
Home Technology Integration Technologies
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
This course presents the principles and practices of installing and maintaining home technology. Students are exposed to home lighting controls, computer networking, home security, home entertainment systems including video, data, and voice, heating ventilation and air conditioning control systems, and home systems integration. This course prepares the student for Home Technology Industry certification and is designed for students wanting to work in the Home Technology Service industry.

35019  CLAS  2/2/15 - 5/30/15  M  0800 - 1110  David Lindy  T101
LAB  2/2/15 - 5/30/15  M  1120 - 1430  David Lindy  T101

ELEC 102
A/C Electronic Circuits and Devices
4 Units
Prerequisite: MATH 030 or 030D or appropriate assessment, or TCED 080
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: CSU
This course is an introduction to the field of Alternating Current (A/C) electricity/electronics. Emphasis is on the theory of operation, physical properties and characteristics of AC electrical/electronic circuits and devices. Students will analyze circuits and solve problems utilizing basic network analysis methods. The course will instruct students on the arrangement of circuit diagrams, proper identification of circuit/device symbols, and use of wiring schematics. Laboratory work provides experience with the design and test of basic electrical circuits, use of meters, schematic diagrams, oscilloscopes, and common laboratory equipment. This course is for students that are contemplating a career in the electrical/electronics industry and is part of the preparation leading to an A. S. Degree or a Certificate in Electronics Technology.

34022  CLAS  2/2/15 - 5/30/15  MW  1800 - 1925  William Morton  T101
LAB  2/2/15 - 5/30/15  MW  1935 - 2100  William Morton  T101

ELEC 108
Introduction to Solid State Devices and Circuits
4 Units
Prerequisite: ELEC 101 and 102
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: CSU
This course is an introduction to solid state devices used in the field of electronics. Emphasis is on the theory of operation, methods of fabrication, physical properties and characteristics of semiconductor devices and circuits. Devices considered are diodes, BJT and FET transistors, special diodes, Thyristors (SCR), IC's (digital and analog), typical applications of each device in amplifier, regulator, oscillator, timer and digital circuits. Students will analyze circuits and solve problems utilizing basic network analysis methods. Laboratory work provides experience with the design and test of basic solid state device circuits including signal tracing and troubleshooting, use of meters, schematic diagrams, oscilloscopes, and common laboratory equipment. This course is for students that are contemplating a career in the electrical/electronics industry and is part of the preparation leading to an A. S. Degree or a Certificate in Electronics Technology.

34482  CLAS  2/2/15 - 5/30/15  MW  1900 - 2025  William Morton  T101
LAB  2/2/15 - 5/30/15  MW  2035 - 2200  William Morton  T101
EMT 093
Emergency Medical Technician
8 Units
Prerequisite: FTEC 121
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; BIOL 125
This course is designed to certify students as California State Emergency Medical Technicians and gain employment as an ambulance driver or ambulance attendant. After successful completion of this course, students will be authorized to take the National Registry EMT examinations and then request certification as an EMT through the Los Angeles County Department of Health or other local EMS accrediting agencies. Topics discussed include pre-hospital care terminology, cardiovascular emergencies, pre-hospital childbirth, communicable disease, extrication tools and equipment, automatic external defibrillation and an understanding of the Emergency Medical System. Students must pass a background check and EMT medical physical with a 10-panel drug screen.

ENGL 030
Introductory Composition for Developing Writers
3 Units
Corequisite: ENGL 030W
Advisory: READ 022 or appropriate assessment
This course assists students in developing thinking, language, and writing skills through structured assignments that increase in complexity throughout the semester. This is the first or beginning course in composition; it prepares students for success in either ENGL 035 or ENGL 101. Students must concurrently enroll in the one-unit Writing Workshop, ENGL 030W. This is a non-degree applicable course and is offered on a pass/no pass basis.

ENGL 030W
Writing Workshop
0.5 Units
Corequisite: ENGL 030
Advisory: READ 022 or appropriate assessment
This is a lab course designed to assist students in developing and improving their writing and language skills through individual conferences with composition instructors. Students will complete and revise assignments that complement the goals and objectives of ENGL 030. All ENGL 030 students must enroll in this course. This course may be repeated one time for credit. This is a non-degree applicable course offered on a pass-no pass basis.
ENGL 035
Intermediate Composition for Developing Writers
3 Units
Prerequisite: ENGL 030 or ENLA 034 with a grade of "Pass" or appropriate assessment
Corequisite: ENGL 035W
This is a composition course which trains students in the clear and logical communication of ideas and information. Students will learn to relate ideas and information in standard written English that a literate audience can easily understand. To accomplish this, students will learn methods of prewriting, construct and revise a series of original essays, discuss readings, and participate in collaborative activities which increase their ability to articulate ideas. This is a non-degree credit course and is offered on a pass/no pass basis. Each week, three additional hours will be required in an accompanying 35W Writing Workshop offered on a pass/no pass basis. This class can also be taken in three 6-week modules. Students will have the opportunity to take one, two, or three modules for one unit of credit each. Module A will cover simple and compound sentences, simple punctuation, and language usage. Students will practice writing to instruct and inform. Module B will cover complex sentences, punctuation such as colons and semicolons, and use of persuasive language. Further practice will be given in adapting information to different audiences. In addition to this material, modules A, B, and C will cover material detailed in the appendix to the course outline. To receive credit for ENGL 035 or ENGL 035 A, B, C, students must receive a score of 10 or higher on the common final. Workshop credit will be given upon completion of all three modules.Students may enroll in all modules or individual modules and receive appropriate credit. English 035 A, B, C is offered on an open entry, open exit basis. This is a non-degree credit course and is offered on a pass/no pass basis. (Each week, three additional hours will be required in the ENGL 035W Writing Workshop, offered on a pass/no pass basis.)
**ENGL 035W**  
Writing Workshop  
0.5 Units  
Corequisite: ENGL 035  
Advisory: READ 022 or appropriate assessment  
This is a lab course designed to assist students in developing and improving their writing and language skills through individual conferences with composition instructors. Students will complete and revise assignments that complement the goals and objectives of English 035. All English 035 students must enroll in this course. This course may be repeated one time for credit. This is a non-degree applicable course offered on a pass-no pass basis.

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**ENGL 101**  
College Composition and Research  
3.5 Units  
Prerequisite: ENGL 035 with a grade of "Pass" or ENLA 100 with an "A" or "B" or appropriate assessment  
Transfers to: UC, CSU  
This is a composition course that enables students to generate logical, coherent essays and reports necessary to academic and professional success. Students will become proficient in research techniques, learn critical reading and thinking skills through expository and persuasive reading selections, and apply these skills to creating original essays and a final research paper. The lab component of this course is designed to assist students in improving and refining their writing and language skills. Students will complete lab activities that enhance their ability to compose logical, well-supported arguments that exhibit grammatical fluency and correct documentation form. Students will meet with composition instructors through individual conferences that address students' specific writing concerns. This course is designed for students who wish to fulfill the General Education requirement for Written Communication.

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34993  CLAS  1/5/15 - 1/29/15  MTWRF  0800 - 1050  Awdnrea Lassiter  LR129
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34994  CLAS  1/5/15 - 1/29/15  MTWRF  0925 - 1215  Tyler Okamoto  A213
ENGL 125
Grammar and Usage
3 Units
Prerequisite: ENGL 035 or ENLA 100 or appropriate assessment
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course explores parts of speech, varieties of sentence structures, common grammar and usage problems, and how to apply these issues to real-world communications. It is designed for students who wish to expand their knowledge of standard American English and thereby increase their skill in the written and spoken language. It is especially helpful for students planning to go into teaching.

ENGL 131
Creative Writing
3 Units
Prerequisite: ENGL 101
Transfers to: UC, CSU
This is a course of expression for students who are interested in various forms of writing. It offers students a workshop setting in which to develop their writing skills in various genres, such as fiction, poetry, and playwriting.
Students are required to write regularly, present their own work in class for discussion, and develop critical standards for evaluating the merit of their own work and of the work of their peers.

ENGL 201
Advanced Composition and Critical Thinking
3.5 Units
Prerequisite: ENGL 101 with a grade of "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: ENGL 201 or ENGL 201H)
This advanced composition course is open to all students who have successfully completed ENGL 101 and is designed for those who expect to transfer to four-year colleges or universities. Students will read and write extensively, while applying critical thinking skills and research techniques. Students will demonstrate these abilities in advanced composition as they research and write a series of argumentative essays, which demonstrate the ability to analyze issues, evaluate positions, and argue persuasively through clear, concise prose. The lab component of this course is designed to assist students in advancing and refining their writing and language skills and will augment their ability to exercise critical thought. Students will complete lab activities that further enhance their ability to compose logical, well-supported arguments that exhibit grammatical fluency and correct documentation form. Students will meet with composition instructors through individual conferences that address students’ specific writing concerns.
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**ENGL 201H**

**Advanced Composition and Critical Thinking Honors**

3.5 Units

Prerequisite: Completion of ENGL 101 with a grade of at least a "C" or better

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: ENGL 201 or ENGL 201H)

This advanced composition course is open to all students who have successfully completed English 101 and is designed for those who expect to transfer to four-year colleges or universities. Students will read and write extensively, while applying critical thinking skills and research techniques. Students will demonstrate these abilities in advanced composition as they research and write a series of argumentative essays, which
demonstrate the ability to analyze issues, evaluate positions, and argue persuasively through clear, concise prose. This Honors section is open to all students who have completed English 101 with a grade of C or better. Students will be expected to analyze issues in more depth and write on them at greater length than they would in a non-honors section.

ENGT 101
Introduction to Technical Drawing & Graphics
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This is a basic course in technical drawing and graphics for students with no previous drafting skills or training. The course is designed for students who wish to pursue training in fields and careers related to architecture, civil and engineering design drafting. Practical application will be provided with the tools, techniques, standards, and practices used in the industries that need technical drawings and graphics.

ENGT 105
Architectural and Technical Freehand Sketching
2 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: CSU
This course is designed to develop skill in freehand drawing as used by the design professionals in both architectural and technical applications. Using pen, pencil, marker, basic principles of proportion, composition and freehand techniques, students will prepare technical sketches to industry standards, in isometric, oblique, perspective and orthographic. Design considerations will also be introduced for various projects involving preliminary design sketches. This course is open to all students who wish to develop freehand drawing skills. It is required for all students working towards a degree or certificate in the Architecture and Engineering Design Drafting program.

ENGT 122
Engineering Design Graphics
4 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; ENGT 101 or two years of high school drafting
Transfers to: UC, CSU
This course is an introduction to graphics as used in engineering design and the systematic use of graphic solutions and descriptive geometry to solve three dimensional engineering problems involving space, points, planes and lines. Technical drawing using I.S.O. and A.N.S.I. standards including geometric dimensioning and tolerancing, will be stressed with a conceptual design project and preparation of working drawings. This course is required for all students working towards a degree or certificate in the Architecture and Engineering Design Drafting program. The course is also recommended for students interested in transferring to Schools of Engineering.
ENGT 150
AutoCAD for Basic CADD Applications
4 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; ENGT 101 or two years of high school drafting
Transfers to: CSU
This course is for students preparing for high technology careers who need the skills necessary to function as an entry level CADD operator or to apply CADD to specific disciplines of mechanical and architectural design, manufacturing, illustration and engineering related documents. An overview of computer graphics and CADD (Computer Assisted Design and Drawing) utilizing the latest release of AutoCAD software will be provided. Students will produce 2D orthographic, isometric, and basic 3D model solutions of mechanical and architectural applications.

ENGT 170
MicroStation for Basic CADD Applications
4 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; ENGT 101 or two years of high school drafting
Transfers to: CSU
This course is for students preparing for high technology careers who need the skills necessary to function as an entry level CADD operator or to apply CADD to specific disciplines of mechanical and architectural design, manufacturing, illustration and engineering related documents. An overview of computer graphics and CADD (Computer Assisted Design and Drawing) utilizing the latest release of MicroStation software will be provided. Students will produce 2D orthographic and basic 3D model solutions of mechanical and architectural applications.

ENGT 200
Intermediate AutoCAD for Design and Production
3 Units
Prerequisite: ENGT 150 with a grade of "C" or better
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; ENGT 101 or two years of high school drafting
Transfers to: CSU
This course is for students pursuing degrees or certificates in the Architecture and Engineering Design Drafting Program and for those who wish to enhance their AutoCAD skills for workplace productivity. The course is an intermediate application study in computer aided design, drafting, and graphics using the latest revisions of AutoCAD. Combined with previously learned technical drafting conventions and basic AutoCAD operational skills, students will use AutoCAD to produce detailed drawings that involve model-space and
paperspace, 2D and 3D objects, block attributes and viewport scales. Emphasis will be placed on working with multiple drawing files using external files to create mechanical, architectural and civil projects.

ENGT 231
Technical Product Design and Presentation
4 Units
Prerequisite: ENGT 122; ENGT 150
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: CSU
This intermediate course is the study of technical presentation drawing, product proposal and design including electro-mechanical packaging, orthographic and axonometric illustration for presentation and assembly pictorial views. Using computer aided design, manual drafting, and graphic techniques, students will apply previously learned skills to develop graphic illustrations of mechanical applications for use in catalogs, manuals and engineering support presentation documents. This course benefits all students in areas of study related to Engineering, Drafting, Design and Computer Graphics.

ENGT 250
Parametric Modeling 3D Applications for Mechanical Design
4 Units
Prerequisite: ENGT 150
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course presents advanced applications of 2D and 3D Computer Aided Design Drafting (CADD) and an introduction to parametric modeling and rapid prototyping utilizing the latest releases of Autodesk Inventor series, SolidWorks, and other parametric modeling software to produce solutions for mechanical applications. This course benefits all students in areas of study related to Engineering, Drafting, Design and Computer Graphics, emphasizes CADD generated three dimensional graphics using wire frame, surface modeling, and parametric solids.

ENGT 265
Pressure Piping Design
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; ENGT 150 or ENGT 170 or industry experience in CADD applications
Transfers to: CSU
This course is for those students with CADD experience who are interested in the career field of pressure piping design engineering. This course presents the preparation of engineering detail drawings of piping systems for commercial, utilities and industrial plants. Included is information and work dealing with the location, installation, operation, and maintenance of pumps, steam turbines, compressors, tanks, heaters, coolers, cooling towers, condenser, reactors, boilers, chillers, heat exchangers and special equipment.

ENGT 280
Advanced MicroStation for CADD & BIM Applications (Same as ARCH 280)
4 Units
Prerequisite: ENGT 170 with a grade of "C" or better, or verifiable work experience and proficiency in MicroStation XM or V8i
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; ENGT 101 or two years of high school drafting
Transfers to: CSU
This course is for students pursuing an advanced study in MicroStation 3D parametric CADD (Computer Assisted Design and Drafting) and the BIM (Building Information Modeling) approach to building design using Bentley Architecture. Students will apply previously learned drafting conventions to produce two and three dimensional CADD and BIM generated mechanical and architectural drawings and virtual design models. This course benefits all students studying Architecture, Civil, Engineering of all types, Drafting, Design and Computer Graphics. High technology skills which are necessary to function as a designer or CADD Drafter are emphasized.

34441 CLAS 2/2/15 - 5/30/15 S 0900 - 1210 David Martin S305
LAB 2/2/15 - 5/30/15 S 1220 - 1530 David Martin S305

ENGT 290
Cooperative Work Experience/Internship for Drafting Related Fields
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course supports and reinforces on- the-job training in business and industrial establishments under supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in their area of vocational interest and will meet performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose job is related to the field of drafting and have completed or enrolled in the appropriate coursework. "Contact the CWE office regarding re-enrollment procedures".

Student Unpaid Internship:
1 Unit/60 hours; 2 Units/120 hours;
3 Units/180 hours; 4 Units/240 hours

Student Paid Internship:
1 Unit/75 hours; 2 Units/150 hours;
3 Units/225 hours; 4 Units/300 hours.

32611 CLAS 2/2/15 - 5/30/15 To Be Assigned
32613 CLAS 2/2/15 - 5/30/15 To Be Assigned
32614 CLAS 2/2/15 - 5/30/15 To Be Assigned
32616 CLAS 2/2/15 - 5/30/15 To Be Assigned

ENLA 013
Basic Grammar
3 Units
Advisory: NESL 018 or appropriate assessment
This is an introductory grammar course for non-native speakers of English. Through reading, writing, listening, and speaking activities, students learn basic English grammar while focusing on verb structures. This course is offered on a pass/no pass basis and is not applicable to the degree. Students are expected to complete an additional 8 hours TBA (To Be Arranged) in the Language Lab.

34071 CLAS 2/2/15 - 5/30/15 MW 0805 - 0930 Moises Mata A227

ENLA 022
Intermediate Speaking and Listening
3 Units
Advisory: ENLA 012 or appropriate assessment
This course is for ENLA students who wish to improve their English speaking and listening skills at an intermediate level. Areas of emphasis include pronunciation, listening, oral communication, note taking and organizational skills. This course is offered on a pass/no pass basis and is not applicable to the degree. Students are expected to complete an additional 8 hours TBA (To Be Arranged) in the Language Lab.
Students initially enrolled in the course will be assessed and only those passing the assessment will be allowed to remain.

ENLA 023 Intermediate Grammar
3 Units
Advisory: ENLA 013 or appropriate assessment; ENLA 024 or appropriate assessment
This course presents a multi skills approach to English grammar and sentence structure for second language students. Through reading, writing, listening, and related activities such as diction, close exercises, and sentence analysis, students practice the elements of correct English while focusing on verbs and verb forms. This course is offered on a pass/no pass basis and is not applicable to the degree. Students are expected to complete and additional 8 hours TBA (To Be Arranged) in the Language Lab. Students initially enrolled in the course will be assessed and only those passing the assessment will be allowed to remain.

ENLA 024 Intermediate Composition
3.5 Units
Prerequisite: ENLA 014 or appropriate assessment
This is an intermediate composition class for non-native speakers of English focusing on the fundamentals of academic writing in English. Basic sentence structures, paragraph development, composition forms, English grammar and word usage are studied in various rhetorical modes. This course is offered on a pass/no pass basis and is not applicable to the degree.

ENLA 034 Intermediate-Advanced Composition
3.5 Units
Prerequisite: ENLA 024 or appropriate assessment
A continuation of ENLA 024, this course is for ENLA students and emphasizes longer writings with more complicated sentence patterns leading up to a basic essay. Students focus on both thematic and rhetorical modes of composition while they practice topic sentences, thesis statements, subordination, and transitional expressions. This course is offered on a pass/no pass basis and is not applicable to the degree.

ENLA 100 Advanced Composition
3.5 Units
Prerequisite: ENLA 034 or appropriate assessment
Transfers to: UC, CSU
ENLA 100 is the highest-level course of the ENLA writing sequence and an ENLA student’s gateway into English 101. As a result of taking this course, students will be able to utilize various stages of the writing process, MLA conventions of academic writing in several rhetorical modes (including a research paper), and advanced levels of grammatical and mechanical accuracy in their writing.
### ET 070
**Introduction to Alternative Energy Technology (Same as AET 070)**

3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or appropriate assessment  
This course is an introductory course that will examine the theory behind present day energy systems which will include an in-depth analysis of the design and installation of alternate energy systems. Topics will include: solar electrical systems, wind electrical systems, solar water heating systems, wind mechanical systems, small hydro-electrical systems, and conservation methods used to save energy. Also presented are topics on geothermal energy, fuel cells, biomass systems, and applications of alternate energy in transportation, industrial, commercial, and residential systems. Students will collect solar data using an irradiance meter and determine power consumption of a typical residence to develop an alternative energy solution. This course is intended for students that are contemplating a career in the alternative energy industry.

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<th>Days</th>
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### ET 074
**Advanced Photovoltaic Systems Design and Installation (Same as AET 074)**

3 Units  
Prerequisite: AET/ET 072  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or appropriate assessment  
This is the second course in the photovoltaic series that will further examine and implement the design and installation of solar photovoltaic power systems. Students will learn how to interpret the National Electrical Code (NEC) specifics concerning photovoltaic installations. The topics include code compliant wiring of modules, inverters, charge controllers, batteries, grounding techniques and related topics. Additional topics include the design and installation of large commercial photovoltaic systems. This course is intended for students that are interested in a career in the solar photovoltaic energy industry.

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### ET 078
**Advanced Wind Energy Systems Design and Installation (Same as AET 078)**

3 Units  
Prerequisite: AET/ET 076  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or appropriate assessment  
This is the second course in the wind energy series that will further examine and implement the design and installation of wind power systems. Students will learn how to interpret the National Electrical Code (NEC) specifics concerning wind power installations. The topics include code compliant wiring of modules, inverters, charge controllers, grounding techniques and related topics. Additional topics include wind site evaluations, electrical load calculations, wind system size calculations, hydraulic fundamentals, basic aerodynamics, and installation techniques for large wind power generation systems. This course is intended for students that are contemplating a career in the wind turbine power generation industry.

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ET 200  
Hazardous Materials Management Applications  
4 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment  
Transfers to: CSU  
This course is designed to provide individuals, who are working in or who seek employment in the hazardous materials management field, with a general overview of the requirements and applications of federal, state, and local laws and regulations relating to hazardous materials. The course will emphasize compliance with Department of Transportation, OSHA Hazard Communications, SARA Title III Community Right-to-Know, Underground Tank, Asbestos, Proposition 65, and Air Toxics Regulations.

32650  CLAS  2/2/15 - 5/30/15  T  1900 - 2210  Romeo Ricarte  S121  
LAB  2/2/15 - 5/30/15  R  1900 - 2210  Romeo Ricarte  S129

ET 230  
Safety and Emergency Response  
4 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment  
Transfers to: CSU  
This course is designed to provide individuals, who are working in or who seek employment in the environmental technology field, with hands-on instruction in safety and emergency response to chemical and physical exposures at hazardous waste sites. Topics include: hazard identification, emergency response planning, proper use and selection of PPE, site control and evaluation, handling drums and containers, field sampling and air monitoring, proper use of instruments, confined spaces, emergency response including field exercises in the use of APR and SCBA. This course satisfies the requirements for 40 hour HAZWOPER TRAINING under OSHA (1910.120) and confined space entry training under OSHA (1910.146).

30432  CLAS  2/2/15 - 5/30/15  S  0800 - 1110  Jerry Earley  S121  
2/2/15 - 5/30/15  S  0800 - 1110  Romeo Ricarte  S121  
LAB  2/2/15 - 5/30/15  S  1120 - 1430  Jerry Earley  S129  
2/2/15 - 5/30/15  S  1120 - 1430  Romeo Ricarte  S129

ET 272  
Advanced Wastewater Treatment  
3 Units  
Prerequisite: ET 271Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or MATH 020C or appropriate assessment  
Transfers to: CSU  
This is the third course in a series of water treatment courses designed to train individuals who are working in or who seek employment in the waste water treatment field in the practical aspects of operating and maintaining wastewater treatment plants and emphasizes the use of safe practices and procedures. Topics presented include: detailed descriptions of the equipment and advanced treatment processes used for odor control, pure oxygen activated sludge treatment, solids removal from secondary effluents, residual solids management, enhanced biological control including nitrogen and phosphorus removal, and wastewater reclamation. Students will learn to operate and maintain treatment plant instrumentation equipment and systems. Additionally, students will also learn to analyze and solve operational problems and to perform mathematical calculations relating to wastewater treatment process control. This course focuses on actual operating procedures and teaches students to analyze and solve operational problems.

30438  CLAS  2/2/15 - 5/30/15  M  1900 - 2210  Jeff Valdes  S136

ET 280  
Green Building Design Principles (Same as AET 280)
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or MATH 020C or appropriate assessment
Transfers to: CSU
This course is designed to provide individuals, who are working in or seeking employment in the green building field, with an overview of the green building industry and its components. Specifically, this course will assist students in their preparation for the Leadership in Energy and Environmental Design Accredited Professional (LEED AP) Examination, which is the most recognized professional accreditation for green building in the nation. Emphasis is placed on the six categories of design that green buildings must address for LEED Certification: Sustainable Sites, Water Efficiency, Energy & Atmosphere, Materials & Resources, Indoor Environmental Quality, and Innovation & Design Process. Each of these categories will be studied, with a focus on the significance of each particular credit.

30445 CLAS 2/2/15 - 5/30/15 T 1800 - 2110 David Lindy T101

ET 290
Cooperative Work Experience/Internship for Environmental Technology Related Fields
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course supports and reinforces on-the-job training in business and industrial establishments under supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in their area of vocational interest and will meet performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose job is related to the field of environmental technology and have completed or enrolled in the appropriate coursework. "Contact the CWE office regarding re-enrollment procedures".

Student Unpaid Internship:
1 Unit/60 hours; 2 Units/120 hours;
3 Units/180 hours; 4 Units/240 hours

Student Paid Internship:
1 Unit/75 hours; 2 Units/150 hours;
3 Units/225 hours; 4 Units/300 hours.

31543 ARR 2/2/15 - 5/30/15 To Be Assigned

FAC 118
Firefighter I, Basic Fire Academy
22 Units
Prerequisite: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or MATH 030D or appropriate assessment; FTEC 101; FTEC 102; FTEC 103; FTEC 104; FTEC 105; FTEC 106; EMT 093 Advisory: BIOL 125
Transfers to: CSU
This course is designed for recently employed firefighters and other interested students. Topics covered include organization of the public and private fire service, characteristics and behavior of fire, fire hazards and firefighter safety, extinguishing agents and related extinguishing equipment, fire protection systems and water supply, incident command system, confine space awareness, building construction and assemblies, basic fire fighting tactics and strategy, fire prevention, hazardous materials, emergency care, wild land firefighting, Rapid Intervention, Rescue Systems and physical fitness. This course meets the State Board of Fire Services requirements for designation as a “California Firefighter I Accredited Academy” (ARA or Accredited Regional Academy by the California State Fire Marshal). Students who complete this course also receive California certification as an Emergency Medical Technician, in Vehicle Extrication, Fire Control I & II, Hazardous Materials First Responder Operational, Confine Space Awareness, Rescue Systems I, S-110, S-130, S-190, Trench Rescue, Rapid Intervention Crew Tactics and ICS –200. This course requires completion of a medical physical examination and includes arduous physical activity.

32634 CLAS 1/3/15 - 6/6/15 SU 0600 - 0900 Tracy Rickman Santa Fe Springs Training Ctr
FR 101
French I
4 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course provides the student with an introduction to the French language and culture. The course stresses oral and written proficiency as well as reading comprehension. In addition to classroom discussion, students receive intensive individualized oral-aural practice in the language laboratory via interactive French websites, audio CDs, video programs, and CD ROMs. Various facets of French history, philosophy, and politics will also be analyzed via cross-cultural comparisons. This course is intended for those interested in learning to speak French as well as for those seeking a degree in the French language.

30091 CLAS  2/2/15 - 5/30/15  MW  0900 - 1105  James Bowen  A204
30111 CLAS  2/2/15 - 5/30/15  F  0800 - 1220  Ghada Mouawad  A202
30116 WEB  2/2/15 - 5/30/15  Ghada Mouawad
WEBL  2/2/15 - 5/30/15  Ghada Mouawad
34069 CLAS  2/2/15 - 5/30/15  TR  1430 - 1635  James Bowen  A202

FR 102
French II
4 Units
Prerequisite: FR 101
Transfers to: UC, CSU
This course is a continuation to the essentials of the French language. The course stresses oral and written proficiency as well as reading comprehension. In addition to classroom discussion, students receive intensive individualized oral-aural practice in the language laboratory via interactive websites, audio CDs, video programs, and CD ROMs. Various facets of French history, philosophy, and politics will also be analyzed via cross-cultural comparisons. This course is intended for those interested in continuing to learn to speak French as well as for those seeking a degree in the French language.

30123 CLAS  2/2/15 - 5/30/15  TR  1115 - 1320  James Bowen  A204

FR 202
French IV
4 Units
Prerequisite: FR 201
Transfers to: UC, CSU
This course is a continuation of FR 201. The course stresses advanced conversational, reading, writing, and translation skills. Emphasis is placed on understanding spoken French as well as on proficiency and accuracy in speaking French. The course will include an introduction to French literature as well as the reading of one novel in French to be determined by the instructor. In addition to classroom instruction, students receive intensive, individualized oral-aural practice in the language laboratory in which websites, video programs, audio CDs, and CD ROMs are used. Various facets of French culture, philosophy, politics, and history will also be explored. This course is intended for those interested in continuing to learn to speak French as well as for those seeking a degree in the French language.

30134 CLAS  2/2/15 - 5/30/15  MW  1115 - 1320  James Bowen  A204

FTEC 044
Physical Fitness and Ability for the Firefighter
3 Units
Prerequisite: Student must be able to lift 75lbs., drag a 150 pound "drag dummy", and use a sledge hammer in completion of a physical abilities test.
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment.

This course is designed to give in-service firefighters and interested students information about conditioning and fire department physical ability test designs and will include manipulative drills in order to be successful in passing California PAT's (Physical Abilities Tests). This course will provide information on the most recently developed tests in Southern California including the CPAT (Candidate Physical Abilities Test) and the Biddle (Biddle and Associate Validated Test). Students will learn about firefighter wellness programs, review basic nutrition and current NFPA (National Fire Protection Association) standards pertaining to firefighter health and safety. Students must be able to perform basic firefighter activities including climbing, using sledge hammers, dragging 150lb dummies and wearing a self contained breathing apparatus.

30981 CLAS 4/6/15 - 5/30/15 TW 1010 - 1215 Tracy Rickman Santa Fe Springs Training Ctr
LAB 4/6/15 - 5/30/15 TWR 0800 - 1005 Tracy Rickman Santa Fe Springs Training Ctr

32649 CLAS 2/2/15 - 3/28/15 TW 1010 - 1215 Tracy Rickman Santa Fe Springs Training Ctr
LAB 2/2/15 - 3/28/15 TWR 0800 - 1005 Tracy Rickman Santa Fe Springs Training Ctr

35161 CLAS 1/5/15 - 1/29/15 MTWR 0800 - 1010 Tracy Rickman Santa Fe Springs Training Ctr
LAB 1/5/15 - 1/29/15 MTWR 1015 - 1335 Tracy Rickman Santa Fe Springs Training Ctr

FTEC 045
Firefighter Entrance Examination Techniques
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment.
Transfers to: CSU-Restricted (see counselor for restrictions)

This course is designed to prepare Fire Technology or other interested students to take a firefighter’s examination. Topics covered include a review of firefighter duties and the requirements of a firefighter, employment requirements in the fire service and the hiring process. Resumes, fire department written examinations, oral interviews, and other related aspects will be discussed.

34511 CLAS 2/2/15 - 5/30/15 M 1800 - 2110 Scott Haberle Santa Fe Springs Training Ctr

FTEC 101
Fire Protection Organization
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment.
Transfers to: CSU

This course provides Fire Technology or other interested students with an overview of fire protection issues. Included will be an introduction to the philosophy and history of fire protection and fire service. The organization and function of public and private fire protection services, the laws and regulations affecting fire service and the role of fire departments as part of local government will be explored. Basic fire chemistry, fire protection systems, firefighting strategies and possible career opportunities in fire related fields will also be addressed.

31381 WEB 2/2/15 - 5/30/15 Daniel Coffman
2/18/15 - 2/18/15 W 1800 - 2110 Gerald Wallace Santa Fe Springs Training Ctr
3/18/15 - 3/18/15 W 1800 - 2110 Gerald Wallace Santa Fe Springs Training Ctr
4/22/15 - 4/22/15 W 1800 - 2110 Gerald Wallace Santa Fe Springs Training Ctr
5/6/15 - 5/6/15 W 1800 - 2110 Gerald Wallace Santa Fe Springs Training Ctr
5/13/15 - 5/13/15 W 1800 - 2110 Gerald Wallace Santa Fe Springs Training Ctr
WEB 2/2/15 - 5/30/15 Gerald Wallace
32769 WEB 2/2/15 - 5/30/15 Gerald Wallace
32771 CLAS 2/2/15 - 5/30/15 M 0805 - 1115 Daniel Coffman AJ320
FTEC 102
Principles of Fire & Emergency Services Safety & Survival
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course introduces the Fire Technology or other interested students to the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior changes throughout the emergency services. This course has been updated to meet the National Fire and Emergency Services Higher Education objectives as it pertains to firefighter safety and survival techniques used in today’s fire service.

31396 WEB 2/2/15 - 5/30/15 Daniel Coffman
34065 WEB 4/6/15 - 5/30/15 Gerald Wallace
34512 WEB 2/2/15 - 5/30/15 Martin Johnson

FTEC 103
Fire Behavior and Combustion
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course provides Fire Technology or other interested students with an exploration of theories and fundamentals of how and why fires start, spread, and how they are controlled. An in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques will be explored.

31389 WEB 2/2/15 - 5/30/15 Gerald Wallace
32762 CLAS 2/2/15 - 5/30/15 M 1800 - 2110 Gerald Wallace Santa Fe Springs Training Ctr
32773 CLAS 2/2/15 - 5/30/15 T 0805 - 1115 Daniel Coffman AJ320

FTEC 104
Fire Prevention Technology
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed to provide Fire Technology or other interested students with fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigation, and fire and life-safety education.

31391 WEB 2/2/15 - 5/30/15 Daniel Coffman
32763 CLAS 2/2/15 - 5/30/15 R 1800 - 2105 William Murphy Santa Fe Springs Training Ctr

FTEC 105
Building Construction for Fire Protection
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course provides the Fire Technology or other interested students with an understanding of the essential components used in building construction that directly relates to fire safety. The elements of construction and design of structures, factors when inspecting buildings, preplanning fire operations, and operating at fires will be discussed. The development and evolution of building and fire codes will be studied in relationship to past fires in residential, commercial, and industrial occupancies.

31401 WEB 2/2/15 - 5/30/15 Gerald Wallace
32764 CLAS 2/2/15 - 5/30/15 T 1800 - 2110 Gerald Wallace Santa Fe Springs Training Ctr
32774 CLAS 2/2/15 - 5/30/15 W 0805 - 1115 Daniel Coffman AJ320
FTEC 106
Fire Protection Equipment and Systems
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course provides the Fire Technology student with information pertaining to the design and operation of fire detection and alarm systems, heat and smoke control systems, special protection and sprinkler systems, water supply for fire protection and portable fire extinguishers.

31409 WEB 2/2/15 - 5/30/15 James Brakebill
32772 WEB 2/2/15 - 5/30/15 Daniel Coffman

FTEC 107
Hazardous Materials I
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course provides fire technology or other interested students with information pertaining to the first responder role when dealing with hazardous materials operations. Hazardous materials decontamination procedures will also be discussed. Classification of hazardous materials and National Fire Protection Association standards (NFPA 472) will be addressed.

32767 WEB 2/2/15 - 5/30/15 Jed Hulsey

FTEC 121
Emergency Response
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is intended for students that seek a better understanding of the role and responsibilities of a first responder. This class also meets the State of California Title 22 requirements pertinent to CPR, First Aid and AED (automatic external defibrillation) training as it relates to the EMT (Emergency Medical Technician). This course will also certify the student to administer oxygen, provide professional rescuer CPR and provide basic first aid. This course may be repeated once.

32668 CLAS 2/2/15 - 5/30/15 F 0900 - 1105 Robert Galvan Santa Fe Springs Training Ctr
LAB 2/2/15 - 5/30/15 F 1110 - 1420 Robert Galvan Santa Fe Springs Training Ctr
32766 CLAS 2/2/15 - 5/30/15 M 0900 - 1105 David Espley Santa Fe Springs Training Ctr
LAB 2/2/15 - 5/30/15 M 1110 - 1420 David Espley Santa Fe Springs Training Ctr
35165 CLAS 2/2/15 - 5/30/15 S 0900 - 1105 James Brakebill Santa Fe Springs Training Ctr
LAB 2/2/15 - 5/30/15 S 1110 - 1420 James Brakebill Santa Fe Springs Training Ctr

FTEC 150
Truck Company Operations
2 Units
Prerequisite: Firefighter 1 certification or completion of a CSFM approved Fire Academy
Advisory: READ 023 or appropriate assessment
Transfers to: CSU
This course is for veteran firefighters or other interested students that want to enhance their knowledge and ability as it pertains to the fire ground operations associated with truck company tactics and strategy. Basic roof construction, vertical and horizontal ventilation, forcible entry, positive and negative ventilation, search and rescue, thermal imaging technology, firefighter safety and survival, rapid intervention tactics, elevator rescue and related truck company operations will be discussed.

34120 CLAS 1/5/15 - 1/16/15 MTWRF 0800 - 1000 Tracy Rickman Santa Fe Springs Training Ctr
LAB 1/5/15 - 1/16/15 MTWRF 1030 - 1630 Tracy Rickman Santa Fe Springs Training Ctr
GEOG 101
Introduction to Physical Geography
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or appropriate assessment
Transfers to: UC, CSU
Introduction to Physical Geography is a general education course that introduces students to the natural processes that shape the earth. Weather and climate, landforms and volcanoes, glaciers, rivers and coastal phenomena are among the topics explored. This course is for any student interested in the physical processes that shape land masses.

30167 CLAS 2/2/15 - 5/30/15 TR 0940 - 1105 Aimee Mindes S236
30182 WEB 2/2/15 - 5/30/15 Aimee Mindes

GEOG 101L
Introduction to Physical Geography Laboratory
1 Unit
Prerequisite/Corequisite: GEOG 101
Transfers to: UC, CSU
The physical geography laboratory is designed to acquaint students with the methods, techniques and procedures used by geographers in the study and analysis of the physical environment. Students will use maps, the internet and other tools to work with real-world geographic data. This course fulfills the general education lab requirement in physical sciences when taken with or after GEOG 101.

30223 ARR 2/2/15 - 5/30/15 Aimee Mindes
30231 WEBL 2/2/15 - 5/30/15 Aimee Mindes
32734 WEBL 2/2/15 - 5/30/15 Aimee Mindes

GEOG 102
Introduction to Cultural Geography
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
Introduction to Cultural Geography is a general education course that introduces students to the basic elements of culture. Population growth, migration, ethnicity, language, religion, folk and popular culture, and settlement forms are among the topics presented. This course may be of interest to students considering the field of elementary teaching, ecology, social science, or travel related vocations.

30296 WEB 2/2/15 - 5/30/15 Aimee Mindes
33483 CLAS 2/2/15 - 5/30/15 F 0815 - 1125 Aimee Mindes S236

GEOL 150
Physical Geology
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or MATH 030D or MATH 033 or appropriate assessment
Transfers to: UC, CSU
Physical Geology, which fulfills the physical science general education requirement, is the study of the materials that our beautiful Earth is made out of, as well as the processes and systems operating within the planet and on its surface. Earthquakes, volcanoes, oil, beaches, tsunamis, rocks, rivers, glaciers, plate tectonics, minerals, continent and mountain building are among the many diverse topics that will be explored. The direct effect of geology on society and our history, as well as the impact humans are having on our earth system will also be examined.

30332 CLAS 2/2/15 - 5/30/15 MW 0940 - 1105 Michael Forrest S221
30344 CLAS 2/2/15 - 5/30/15 TR 0940 - 1105 Michael Forrest S221
GEOL 151
Physical Geology Laboratory
1 Unit
Prerequisite/Corequisite: GEOL 150
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or MATH 030D or MATH 033 or appropriate assessment
Transfers to: UC, CSU
Physical Geology Laboratory engages students with a “hands-on” review of the topics presented in Geology 150 and an examination of their relevance to everyday life. Laboratory exercises will include (but are not limited to) earthquake hazards, earthquake risk and analysis, the physical properties and identification of minerals, igneous, metamorphic and sedimentary rocks, as well as topographic and geologic map reading. Glacial, coastal, dry land, groundwater, and fluvial, processes and landforms are scrutinized. Several geologic investigations of the hills and the river plain surrounding the campus will also be completed.

GIS 120
Introduction to Geographic Information Systems and Spatial Analysis
4 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; CIT 101
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: GIS 120 or GIS 220)
This course will introduce fundamental concepts of geographic information and spatial analysis, using industry standard geospatial application tools including geographic information systems (GIS), global positioning systems (GPS), cartography, remote sensing. Students will learn how to use geospatial technologies to perform spatial analysis in various disciplines including but not limited to business, public safety, health, politics, engineering, environmental, and social, biological and geological sciences. Students should have a working knowledge of Windows to be successful in this course.

GIS 220
GIS Applications
4 Units
Prerequisite: GIS 120
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; CIT 101
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: GIS 120 or GIS 220)
GIS 220 is designed for students to apply tools learned in GIS120 and introduces geoprocessing methods and new data sets to perform suitability models such as where to locate a new school, or how to determine concentrations of sales, pollutants or crimes within a community. In addition, field work is performed using Global Positioning System (GPS) including development of data dictionary, collection and processing and import into GIS. Additional data import includes CAD and tables. Students are introduced to data delivery including layer and map packages and web mapping. Course may include field trips for student to visit industry meetings and attend off campus GPS exercise.
GIS 281
Crime Mapping and Analysis
4 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; CIT 101
Transfers to: CSU
Crime mapping plays an important role in almost any form of crime analysis and can improve our understanding of the important relationships between people, location, time, and crime. As a result, Geographic information systems (GIS) has become an essential tool used by crime analysts to discover crime patterns, implement corrective strategies, optimize resource allocation and to develop crime prevention measures. Students will use ArcGIS to analyze crime series, conduct problem analysis, study crime trends, and address deployment issues as they relate to decision making in law enforcement. Students should have a working knowledge of Windows to be successful in this course.

HET 048
Heavy Equipment Powertrains II
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; HET 040; HET 041; HET 043
This course is intended to familiarize the students with a wide variety of modern heavy equipment powertrains systems and components. Topics covered include powershift transmissions, torque converters, hydrostatic drive systems, AC electric drive systems, spring-applied hydraulically released brakes, steering, and suspension systems. Component failure analysis will be discussed as part of disassembly, inspection, and reassembly of various transmissions, drives, brakes and steering systems. In addition, proper shop and personal safety, and how to use manufacturer’s service specifications information will also be covered.

HET 049
Heavy Equipment Hydraulic Diagnostics
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; HET 040; HET 041; HET 043
This course is intended to familiarize the students with the heavy equipment’s hydraulic and electro-hydraulic systems. Topics include review of hydraulic theory and basic hydraulic system designs and components, hydraulic and electronic components used in electro-hydraulic systems, hydraulic controllers, sensors, actuators, and data communications. In addition, the students will be introduced to the strategy-based diagnostics, with an emphasis on electro-hydraulic controls failures, using hydraulic trainer simulators and live equipment.

HET 050
Heavy Equipment Electrical Diagnosis
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; HET 041
This course is designed to familiarize the student with the heavy equipment’s electrical and electronic systems. Topics include review of electrical theory, circuit faults, electrical and electronic components usage and diagnostics, computers, sensors, actuators, and data communications. A-Tech simulator boards will be used to illustrate different component functions. In addition, the students will be introduced to the strategy based diagnostics, including troubleshooting electrical problems using live equipment.
HET 290
Cooperative Work Experience/Internship for Heavy Equipment Technology Related Fields
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course supports and reinforces on-the-job training in business and industrial establishments under the supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in their area of vocational interest and will meet performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose job is related to the heavy equipment maintenance field and have completed or enrolled in the appropriate coursework. "Contact the CWE office regarding re-enrollment procedures".

**Student Unpaid Internship:**
1 Unit/60 hours; 2 Units/120 hours;
3 Units/180 hours; 4 Units/240 hours

**Student Paid Internship:**
1 Unit/75 hours; 2 Units/150 hours;
3 Units/225 hours; 4 Units/300 hours.

HIST 101
History of World Civilization to the 17th Century
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is a survey of the political, economic and social development of world civilization up to the 17th century. Special emphasis is placed on the origins of the earth’s principal centers of civilization, their subsequent interaction, and the emergence of a world economic, political, and intellectual order. This course is designed for the student who wishes to increase their understanding and appreciation of cultural, political, and intellectual diversity, as well as the process of intercultural interaction.

HIST 102
History of World Civilization, 1500 to the Present
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is a survey of the political, economic, and social development of world civilization from 1500 to modern times. Special emphasis is placed on the origins and development of the world economic system and the corresponding cultural, intellectual, and social currents that have characterized most of the world’s leading societies since 1500. This course is intended for the student who wants to increase their understanding of and appreciation of both the diversity and the unity of the modern world.
**HIST 122**  
**History of Mexico**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This course examines the cultural, social, and political history of Mexico from pre-Columbian to modern times. The course will cover pre-Columbian Mesoamerica, the Spanish conquest and the colonial period, and the national period, with special emphasis given to Mexico's relations with the United States and its place and role in the world community. This course is designed for students interested in understanding Mexico as a nation and is also recommended for all history and most social science majors.

**HIST 143**  
**History of the United States to 1877**  
3 Units  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This course is a survey of United States history from Native American origins to post Civil War Reconstruction. Social, economic, political and cultural developments are explored with an emphasis on the independence movement, Revolutionary War, the new Republic, westward expansion and the Civil War. This course is designed for students interested in the foundational history of the United States. It is recommended for all history majors and fulfills the CSU/UC American Institutions requirement and the American Institutions requirement for the Associate degree.

**HIST 144**  
**History of the United States Since 1865**  
3 Units  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC (credit limit: *), CSU (*Students will receive credit from UC for only one of the following courses: HIST 144 or HIST 144H)  
This course provides a survey of the political, social, economic, and cultural development of the United States from Reconstruction (1865) to the present. Some topics addressed are the socio-political and economic impact of Reconstruction, the American West, capital and labor in the age of enterprise, America as an emerging world power, World War I, World War II, the Vietnam Era, the Cold War, the new world order, Clinton, and the Bush Administration to the present. This course fulfills the American Institutions requirement for the Associate Degree. It is also recommended for all History majors.
HIST 144H
History of the United States Since 1865 Honors
3 Units
Prerequisite: ENGL 101 with a grade of "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: HIST 144 or HIST 144H)
This course provides a survey of the political, social, economic, and cultural development of the United States from Reconstruction (1865) to the present. Some topics addressed are the socio-political and economic impact of Reconstruction on modern American society, the American West, capital and labor in the age of enterprise, America as an emerging world power, World War I, World War II, the Vietnam Era, the Cold War, the new world order, Clinton, and the Bush Administration to the present. This course fulfills the American Institutions requirement for the CSU and Associate Degree. It is also recommended for all History majors. This course is intended for those who meet Honors Program requirements.

HIST 158
History of Minorities: African Americans and American Indians
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is a survey of the role minorities have played in the historical development of the United States from the earliest times to the present, with an emphasis on the twentieth century. The course begins with a study of racism, followed by the history and cultural contributions of the American Indian and the African American. This course fulfills the American Institutions requirement for the Associate Degree. This course is intended for those who desire a better understanding of the history of minorities in the United States.

HIST 159
History of Minorities: Mexican Americans, Asian Americans and American Women
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: HIST 159 or HIST 159H)
This course surveys the roles selected minorities have played in the historical development of the United States from the earliest times to the present. Emphasis is placed on the history and cultural contributions of Mexican Americans, Asian Americans, and American women. This course is intended for those wishing to fulfill the American Institutions requirement for the Associate degree and CSU and those who desire a better understanding of the history of minorities in the United States.
HIST 159H
History of Minorities: Mexican Americans, Asian Americans and American Women Honors
3 Units
Prerequisite: ENGL 101 with a grade of "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: HIST 159 or HIST 159H)
This course surveys the roles selected minorities have played in the historical development of the United States from the earliest times to the present. Emphasis is placed on the history and cultural contributions of Mexican Americans, Asian Americans, and American women. This course is intended for those wishing to fulfill the American Institutions requirement at Rio Hondo and those who desire a better understanding of the history of minorities in the United States. This course is intended for students eligible for the Honors Program.

30768 CLAS  2/2/15 - 5/30/15  MW  1115 - 1240  Jose Duran  A223

HIST 167
History of California
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course provides an overview of California history from the first aboriginal inhabitants to modern times. Cultural, political, social and economic development will be addressed in the context of history. The development of contemporary institutions and the historical context of current issues will addressed. This course is suitable for students seeking further understanding of California's past and present, and those preparing for a career in teaching at the elementary level.

30778 CLAS  2/2/15 - 5/30/15  TR  1250 - 1415  Elizabeth Young  A223

HS 045
Math for the Health Care Professional
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or MATH 030D or MATH 033 or appropriate assessment
This is a basic course that focuses on mathematical computation and application within the health care setting. Topics covered within this course include drug dosages, calculation of intake and output, weights and measures, temperatures, intravenous infusion rates and conversions necessary for safe employment in the healthcare setting. This course is an elective course for students wanting to pursue a career in the healthcare industry.

31259 CLAS  4/7/15 - 5/26/15  T  1600 - 1805  Shelly Poetter  L300
34735 CLAS  4/7/15 - 5/26/15  T  0900 - 1105  Shelly Poetter  L300

HS 050
Nurse Assistant Pre-Certification Training Course
5.5 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or MATH 020C or appropriate assessment
This course is designed for students who have expressed an interest in an entry level nursing course. This course meets Title 22 regulations for taking care of the geriatric population in a long term care setting, utilizing skills in basic care, emergency care and communication. The Nurse Assistant Pre-Certification training course consists of a combination of 64 hours of classroom instruction and 120 hours of supervised clinical practice in long term facilities. This course prepares the student to take the California state certification exam to become a Certified Nurse Assistant (CNA). After obtaining the state certification, the student may find employment in the acute care, long term care or assisted living settings. According to Title 22 regulations, the student who has completed the training program (HS 050) may take the competency state exam. If the student fails the state exam, they may repeat the
exam two times before they must take this entire training program (HS 050) again.

**HS 051**
**Certified Nurse Assistant Acute Care Training Course**  
2 Units  
Prerequisite: Nurse Assistant Pre-Certification Training Course/State Certification  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or MATH 020C or appropriate assessment  
This course is designed for students who are Certified Nurse Assistants that wish to learn the basic nursing skills and duties in the acute care setting with additional emphasis on the specialized acute care areas such as medical/surgical, orthopedics, pediatrics and obstetrics. The Certified Nurse Assistant Acute Care course consists of a combination of 24 hours classroom instruction and 48 hours supervised clinical practice in the acute care hospital. This course includes communication, patient assessment, observation and reporting training as well as reinforcement of Certified Nurse Assistant basic-care procedures.

**HS 052**
**Home Health Aide Training Course**  
2 Units  
Prerequisite: Nurse Assistant Pre-Certification Training Course/State Certification  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or MATH 020C or appropriate assessment  
This course is designed for students who are Certified Nurse Assistants that wish to learn how to provide personal care in the home care setting for those who are unable to do it for themselves and / or promote the recovery, safety and comfort of the patient. Additional emphasis on rehabilitative nursing care, family relationships and the impact of long-term illness on the family as well as the client will be included. The Home Health Aide training course consists of a combination of 24 hours classroom instruction and 48 hours supervised clinical practice in either the Acute Care or Skilled Nursing Facility. This course meets title 22 Regulations for Home Health Aides training programs.

**HS 060**
**Health Science Core**  
5 Units  
Prerequisite: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or MATH 020C or appropriate assessment
This is a basic course which focuses on medical terminology, normal body structures and functions, the principles of nutrition, and the relationship of nutrition to health. It provides a strong foundation for all students entering the health care field. This course is a prerequisite for the Vocational Nursing Program.

**HS 070**

**Introduction to Ambulatory Care Nursing**

4.5 Units

Prerequisite: Possess an unrestricted California RN license

This is an introductory level course to prepare the licensed RN to work in the ambulatory care nursing setting. This course includes classroom lecture and learning activities that provides the type of skills and competencies needed for the RN to work in outpatient care settings, such as clinics.

**HUM 110**

**Survey of Humanities**

3 Units

Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment

Transfers to: UC, CSU

This course provides an interdisciplinary presentation of cultural forces, providing the student with a comprehensive view of the most vital artistic, literary, philosophical, religious and architectural movements within the Western, Eastern and Meso-American traditions from the Egyptians to the 1500s. This course is intended for students who wish to further their understanding of the major cultural developments from around the world.

**HUM 111**

**Survey of Humanities**

3 Units

Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment

Transfers to: UC, CSU

This course provides an interdisciplinary presentation of cultural forces, providing the student with a comprehensive view of the most vital artistic, literary, philosophical, religious, scientific and architectural movements within the Western, Eastern and Latin American traditions from the Renaissance to the 20th century. This course is intended for students who wish to further their understanding of major cultural developments around the world.

**HUM 125**

**Introduction to Mexican Culture**

3 Units

Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: HUM 125 or HUM 125H)

This course provides an interdisciplinary presentation of vital artistic, literary, architectural, musical, political, religious and historical movements within Mexico spanning from Pre-Cortesian to contemporary times. This course is designed for students who wish to further their understanding of major Mexican cultural and historical developments.
**HUM 130**  
*Contemporary Mexican-American Culture*  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This course provides a contemporary interdisciplinary examination of the most vital Mexican-American literary, artistic, musical, theatrical, social, political and historical movements. This course is designed for students who wish to further their understanding of major Mexican-American cultural contributions to contemporary society.

**HUSR 111**  
*Human Services in Contemporary Society*  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course is an introduction to the history and philosophy of human services in contemporary society. The function and objectives of human service organizations as well as the qualifications of the professional will be emphasized. A survey of the populations served in the field will focus on cultural, social, economic and historical trends. The course is designed for students pursuing careers in social work, counseling or community organizing.

**HUSR 122**  
*Introduction to Group Leadership and Process*  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course provides an introduction to the dynamics of group interaction. The individual's firsthand experience is emphasized as the group studies itself under supervision. The factors involved in problems of communication, effective emotional responses, and personal growth will be highlighted. Group process will be examined as a means of changing behavior. Suitable for students interested in furthering their understanding of group dynamics and those interested in supervising groups dedicated to achieving behavioral change.

**HUSR 124**  
*Introduction to Case Management and Documentation*  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course introduces students to case management and documentation in a variety of settings. Students will study the purpose, function, and rationale for case management. In addition, the documentation of client clinical records will be covered, emphasizing the taking of social histories and the writing of treatment plans. The professional guidelines necessary for working with clients in a social services setting will also be covered, providing the student with an understanding of issues related to ethics, client rights, and confidentiality. This class is designed for students interested in working in a social services setting.
HUSR 128
Chemical Dependency and Co-Occurring Disorders
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed for students interested in furthering their understanding of the co-existence of substance abuse with other mental health disorders. The course will assist students to gain the needed knowledge and skills to interact with clients who have various mental health disorders that are complicated by co-occurring substance abuse problems. The course also covers the diagnostic, therapeutic, and recovery phases that will assist students’ seeking a Drug Studies Certificate or Associate of Science degree in Drug Studies. Other students interested in psychology, human services and the behavioral sciences will benefit greatly from the content of the course.

HUSR 130
Essential Counseling Skills
3 Units
Advisory: ENGL 035 OR ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course focuses on critical counseling skills and strategies within a multicultural context. The course provides a vital orientation to the helping process and the counseling profession. Current issues within the counseling profession, such as diversity and multiculturalism, are discussed and integrated throughout the course. A unique focus is given to the student’s growth and development as a counselor and how the student can best use supervision in this developmental process. This course would be of benefit to anyone working in a human service or social services setting.

HUSR 230
Drug Studies Seminar and Internship
3 Units
Prerequisite/Corequisite: HUSR 122, HUSR 124, HUSR 130Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
It is recommended that this course be taken in the final semester of the Drug Studies Program and provides the student with work experience in a drug treatment facility. The student will apply the concepts and skills gained through their coursework as they serve as an intern in a setting where drug dependent individuals are served. The seminar will focus on ethics, the further development of counseling skills, and the use of community resources. Students must meet the requirements of the internship facility.

Student Unpaid Internship: 120 hours
Student Paid Internship: 150 hours.

JAPN 101
Japanese I
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course provides the student with an introduction to the Japanese language and culture. The course stresses oral and written proficiency through fundamental use of the Japanese language as well as the Hiragana and Katakana script. Students will also receive an introduction to Kanji characters. In addition to classroom discussion, students receive intensive individualized oral-aural practice in the language laboratory via interactive websites, audio CDs, video programs, and CD ROMs. Various facets of Japanese history,
culture, and civilization will also be analyzed via cross-cultural comparisons. This course is intended for those interested in learning to speak Japanese as well as for those seeking a degree in the Japanese language.

30156 CLAS 2/2/15 - 5/30/15 TR 0900 - 1105 Kieko Hamilton A206

**JOUR 120**  
**Communications Reporting and Writing**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  
The course is an introduction to the writing and editing techniques used in the newspaper industry, with an emphasis on gathering information and the principles of clarity and conciseness. Students will use computers during class and lab times. This course is intended for students who are pursuing the Associate of Science Degree/Certificate of Achievement in Mass Communications with either Mass Media or Print Media Specializations.

35151 CLAS 2/2/15 - 5/30/15 MW 0940 - 1105 John Francis B112

**JOUR 220**  
**Advanced Reporting and Writing**  
3 Units  
Prerequisite: JOUR 120 with a grade of "C" or better  
Transfers to: CSU  
This course is designed to meet lower division requirements for Journalism majors which are transferrable to four-year institutions. JOUR 220 is a continuation of JOUR 120 with an emphasis on improvement of basic skills. This course concentrates on writing and editing of more advanced news and feature stories, factual forms for newspapers and further study of the laws of journalism. Students will study methods of preparing material intended for publication in print and online editions of newspapers.

31172 CLAS 2/2/15 - 5/30/15 MW 0940 - 1105 John Francis B112

**JOUR 241**  
**Newspaper Production I**  
4 Units  
Prerequisite: ENGL 035 or ENLA 100 or appropriate assessment  
Advisory: READ 023 or appropriate assessment  
Transfers to: CSU  
This course is intended for students wanting to learn production and management techniques for a college newspaper. Students will be shown basic techniques for writing and producing the campus newspaper, El Paisano. Students will be shown through lecture and demonstration the proper techniques for gathering editorial, photo, and layout content for the newspaper, as well as copy editing and proofreading.

31166 CLAS 2/2/15 - 5/30/15 MW 1115 - 1210 John Francis B112

**JOUR 242**  
**Digital Newspaper Production I**  
4 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course is intended for students wanting to learn the production and management techniques of the college newspaper El Paisano as an online publication. Students will be shown basic techniques for writing and producing a campus online newspaper. Students will be shown through lecture and demonstration the proper techniques for gathering editorial, photo, layout, and video content for an online newspaper and entering and placing the information on the pages of El Paisano online.

32730 CLAS 2/2/15 - 5/30/15 MW 1250 - 1345 John Francis B112

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JOUR 243
**Newspaper Production II**
4 Units
Prerequisite: JOUR 241
Advisory: READ 023 or appropriate assessment
Transfers to: CSU
This course is intended for students wanting to continue in an advanced degree the production and management techniques of the college newspaper. Students will continue writing and producing El Paisano, the campus newspaper, through continued lectures and advanced demonstrations and the proper techniques for writing, proofreading, layout by learning Quark Express and photo enhancements through Photoshop. Students will be expected to serve in leadership roles and cover a major or public affairs beat.

34548 CLAS 2/2/15 - 5/30/15  MW 1115 - 1210  John Francis  B112
LAB 2/2/15 - 5/30/15  John Francis

JOUR 244
**Digital Newspaper Production II**
4 Units
Prerequisite: JOUR 242
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is intended for students wanting to continue in an advanced degree the production and management techniques of the college newspaper El Paisano as an online publication. Students will continue to work on writing for the online newspaper but will learn, by hands-on development, actual video broadcasts by using station video equipment that will encompass the entire Rio Hondo campus and areas of interest within the community. Students will also work on KRHC, the student radio station to develop audio news programs for the station. Those students wishing to may also develop photo slide presentations of action taken through student activities on campus for the online publication.

34549 CLAS 2/2/15 - 5/30/15  MW 1250 - 1345  John Francis  B112
LAB 2/2/15 - 5/30/15  John Francis

JOUR 299
**Directed Study: Journalism**
1 Unit
Transfers to: UC, CSU
Independent Study/Directed Study is intended for students who have the ability to assume responsibility for independent work and to prepare written or oral reports and/or appropriate projects. To enroll in an independent study/directed study course, students must possess a 2.5 overall grade point average, a 3.0 grade point average in the discipline of study being requested, or receive an exception from the instructor. Independent Studies/Directed Studies may be developed from any topic arising from or related to a course of study that will result in developing depth and breadth in that subject area. Students will be expected to meet on a regular basis with their faculty sponsor and submit a final report or project, and student progress shall be evaluated at regular intervals. Academic standards for Independent Studies/Directed Studies shall be the same as those for other courses. Units are awarded in accordance to Title V regulations with one unit of credit awarded for 54 hours of Directed Studies, six (6) hours of which must be with an instructor. The instructor is responsible for monitoring student progress through the semester. Students may take directed study courses for a maximum of four (4) units within a discipline, and may not accumulate more than a total of twelve (12) units college wide.

34556 ARR 2/2/15 - 5/30/15  John Francis

KIN 115
**Fitness Specialist Internship**
2 Units
Prerequisite: Instructor approval
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or MATH 020C or appropriate assessment
Transfers to: CSU
This course will provide students with practical experience in the field of exercise and fitness. Emphasis is placed on participant screening, evaluation, fitness assessment, exercise program design, nutrition education, self-marketing, social media, fitness specialist/client relationships and professional responsibility in a fitness setting. This course is designed for the student pursuing a career in the fitness industry, a certificate in the Fitness Specialist Program, as well as those interested in furthering their understanding of the effects of exercise on the mind and body. Instructor approval is required for enrollment.

35119  ARR  4/6/15 - 5/30/15  Jodi Senk
       CLAS  4/6/15 - 5/30/15  W  1115 - 1315  Jodi Senk  PE103

KIN 128
Fitness Testing and Exercise Prescription
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or appropriate assessment
Transfers to: CSU
This course provides an overview of how to assess cardiorespiratory endurance, muscular strength and endurance, flexibility, body fat, pulmonary function, blood pressure, postural analysis, and functional movement, and evaluate the results. Emphasis is placed on determining the appropriate test, conducting the test, interpreting the results, and creating an exercise program. This course is designed for the student pursuing a career in the fitness industry or a certificate in the Fitness Specialist Program, as well as those interested in furthering their understanding of the effects of exercise on the body.

35120  CLAS  2/2/15 - 3/28/15  MW  0755 - 0930  Karl Aragundi  PE103
       WEB  2/2/15 - 3/28/15  Karl Aragundi

KIN 145
Theory and Analysis of Fitness Instruction
2 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course provides an introduction to the principles and techniques involved in teaching group exercise and developing a personal trainer/client relationship. Emphasis is placed on client assessment, communication skills, program design, exercise adherence, teaching strategies, and professional responsibility and liability. This course is designed for the student pursuing a career in the fitness industry, a certificate in the Fitness Specialist Program, as well as those interested in furthering their understanding of the effects of exercise on the mind and body.

35121  CLAS  2/2/15 - 3/28/15  M  1115 - 1335  Elaine Martinez  PE103
       WEB  2/2/15 - 3/28/15  Elaine Martinez

KIN 146
Training Principles for Special Populations
2 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or MATH 020C or appropriate assessment
Transfers to: CSU
This course provides an overview of the exercise implications for special populations related to age, medical condition and level of fitness. Emphasis is placed on cardiac conditions, diabetes, physical disabilities, HIV and AIDS, asthma, sensory impairments, seniors, children, mentally impaired and pregnant and post partum women and the issues and barriers to exercise. This course is designed for the student pursuing a career in the fitness industry, a certificate in the Fitness Specialist Program, as well as those interested in furthering their understanding of the effects of exercise on the mind and body.

35123  CLAS  2/2/15 - 3/28/15  W  1115 - 1320  Jodi Senk  PE103
KIN 188
Theory and Practice of Coaching
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
The purpose of this course is to explore the impact that coaches have on athletic programs in the community. This course is designed for all students interested in coaching individual and team sports. The course will cover topics such as role of the coach, athlete motivation, coaching leadership, coaching work teams, coaching technology, and effective coaching practice. At the end of the course, students will have more insight into coaching in various athletic programs.

35034 CLAS 2/2/15 - 5/30/15 TR 0805 - 0930 Jennifer Tanaka-Hoshijo PE103

KIN 191
Health: Personal Issues
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: KIN 191, KIN 192, or KIN 196)
This course is designed for all students that are physically active and interested in learning how to improve and maintain their personal health. Topics covered include the general health principles, nutrition and diet, physical fitness, stress management, sexuality and reproduction, drug/alcohol use and abuse, consumer and safety issues and the process of death. Students learn how to develop sound health principles through text readings, lectures, assignments/labs and guest speakers.

35035 CLAS 2/2/15 - 5/30/15 TR 0805 - 0930 Jodi Senk EMEC101
35036 WEB 2/2/15 - 5/30/15 Bianca Urquidi
35037 CLAS 2/2/15 - 5/30/15 R 1850 - 2200 Armando Ayala PE105

KIN 193
Standard First Aid and CPR
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for students pursuing a career working with the public and for those who want to further their understanding of handling emergency situations. The student will learn how to give immediate care to the suddenly injured or ill person. In addition, students will learn techniques for control of bleeding, splinting, transporting victims, emergency procedures, one person C.P.R. and the use of an AED. Students will have the opportunity to apply these technical procedures in class. This course fulfills the requirements for American Red Cross certifications in both Standard First Aid and Cardiopulmonary Resuscitation (C.P.R.).

35017 CLAS 1/5/15 - 1/29/15 MTWRF 0830 - 1130 Armando Ayala
35039 CLAS 2/2/15 - 5/30/15 TR 0940 - 1105 Armando Ayala PE105
35040 CLAS 2/2/15 - 5/30/15 MW 0805 - 0930 Armando Ayala PE105

KIN 194
Introduction to Kinesiology
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or MATH 020C or appropriate assessment
Transfers to: CSU
This course is designed for those students who are interested in pursuing a career in the field of kinesiology. The philosophy, history, ethical and scientific foundations of kinesiology will be covered. The concepts of basic movement and performance movement in relationship to kinesiology will be examined. Students will explore the sub-disciplines of motor learning, biomechanics, exercise physiology, sport sociology, sport psychology, and sport nutrition. Professional career opportunities in health/fitness, therapeutic exercise,
teaching, coaching and sport management will be examined. The challenges for kinesiology, future of kinesiology, sport and health/wellness are also addressed.

KIN 196
Health: Fitness and Wellness
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: KIN 191, KIN 192, or KIN 196)
This course is designed for all students who are interested in learning the value of life-long, healthy lifestyles. Students will be given the tools to assist them in making positive life-style changes based on a personal health/fitness profile. Topics covered include: basic anatomy and physiology, nutrition, weight control, tobacco and alcohol, muscle fitness, flexibility, stress reduction, and cardiovascular functioning.

KIN 197
Prevention and Treatment of Athletic Injuries
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course introduces the basic concepts of athletic training, including instruction for prevention, recognition, management and treatment of common injuries in a physically active population. The skills of basic strapping, bracing padding and taping for the prevention and support of injuries will be presented and practiced. This class is recommended for those interested in becoming a Certified Athletic Trainer.

KIN 290
Cooperative Work Experience/internship for Athletic Training Related Fields
1 Unit
Prerequisite: KIN 197 and a current CPR card
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course supports and reinforces on-the-job training in the field of athletic training under supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in their area of vocational interest and will meet performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose job is related to the field of athletic training and have completed or enrolled in the appropriate coursework. "Contact the CWE office regarding re-enrollment procedures".

Student Unpaid Internship:
1 Unit/60 hours; 2 Units/120 hours

Student Paid Internship:
1 Unit/75 hours; 2 Units/150 hours
KINA 104
Volleyball I
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This course is a beginning class designed to present the basic fundamental skills and rules of volleyball. The student will have the opportunity to learn and practice serving, setting, and spiking. The student will also participate in team play. This class is appropriate for students who have never played volleyball, are just learning the game or haven't played for an extended period of time and want to refresh their skills.

35062 LAB 2/2/15 - 5/30/15 TR 1905 - 2030 Teddi Esko G100

KINA 105
Basketball I
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This beginning level course designed for all students will provide instruction in the fundamentals of basketball such as dribbling, passing, shooting, team play, rebounding, defense and strategy. Collegiate rules, class competition, injury prevention and care, and proper diet and fitness needs are included in instruction. The emphasis will be on active participation, basketball as recreation and skill development within this team sport.

35063 LAB 2/2/15 - 5/30/15 TR 0805 - 0930 Steve Johnson G100
35064 LAB 2/2/15 - 5/30/15 MW 0805 - 0930 Michael Salazar G100

KINA 107
Badminton I
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This is a beginning badminton class designed for the student to gain experience of various degrees of competitive play. Instruction in the serve, drive, drop, smash, clears, rules and court etiquette are taught so the student can perform at a competitive level.

35146 LAB 2/2/15 - 5/30/15 M 1850 - 2200 Rene Herrera G100

KINA 110
Futsal (Indoor Soccer)
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This class will provide instruction and repetition in the technical and tactical components of Futsal (Indoor Soccer). The Federation of International Football Association (FIFA), which is the governing body of soccer in the world and the United States Soccer Federation (USSF), which is the governing body of soccer in the United States recognize Futsal as its own sport consisting of a smaller, fast-paced technical game. FIFA Futsal Laws of the Game will be introduced to the students. The course will develop skills, provide knowledge of the rules and instruct students to demonstrate Futsal techniques, recognize tactical situations and improve physical fitness.

35066 LAB 2/2/15 - 5/30/15 TR 1115 - 1240 Jennifer Tanaka-Hoshijo G100
35082 LAB 2/2/15 - 5/30/15 TR 0940 - 1105 Jennifer Tanaka-Hoshijo G100

KINA 113
Golf I
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
Golf I is designed for the beginning golfer who wants to gain the fundamental skills that form the basis of good golf technique. The goal of this class is for the student to learn to play a respectable game of golf, to avoid embarrassment, and to enjoy time outdoors with friends. Etiquette, rules and course play are included.

KINA 117
Swimming I
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses) This course is a beginning class designed to equip students with basic water skills and knowledge in order to make them reasonably safe while in the water. It is suitable for all students interested in basic swimming.

KINA 120
Swim for Fitness
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment; KINA 117
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses) This is a swimming/fitness course designed to provide the individual who has beginning swimming skills an opportunity to master the fundamentals of physical fitness as they relate to swimming as an aerobic activity. Emphasis will be placed on aerobic training with some training at the anaerobic threshold and anaerobic levels. This class is suitable for all students interested in swimming as a fitness activity.

KINA 130
Lifelong Fitness Laboratory
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses) This 45 hour self-paced physical fitness laboratory is designed for all students of the college to develop and encourage positive attitudes and habits with regards to health-related fitness components, including cardiovascular fitness, flexibility, and muscular strength and endurance. Each student, upon entry, will be assessed for risk factors and medical history, as well as body composition, cardiovascular fitness, muscular strength and endurance, and flexibility to establish an individual fitness profile. From this profile, an individual exercise prescription will be developed. Fitness activity will primarily utilize exercise equipment organized into an aerobic super circuit with additional activity prescribed in the aerobics machine area, body parts weight training area, and flexibility area. It is expected that the student will attend an average of three 50 minute exercise sessions each week. Additional assessment at the conclusion of the semester will provide data necessary to evaluate the accomplishment of stated goals. Offered on a pass/no pass basis.

KINA 132
Aqua Aerobics
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfer to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses) This class is designed to utilize the resistance properties of the water to improve muscle tone, flexibility and cardiovascular health and endurance using various exercise movements. Further, water buoyancy will help support the joints and muscles of the body, enabling students of all levels of fitness and abilities to participate in the activity. Students will have the opportunity to improve overall body strength and
conditioning through a sequence of exercises done in the water. Students who are overweight, pregnant, elderly, diabetic, recovering from injuries or who have been inactive would find this class appropriate, therapeutic, and beneficial to their health.

35075 LAB 2/2/15 - 5/30/15 TR 1115 - 1240 Michael Hinz  Pool
35076 LAB 2/2/15 - 5/30/15 MW 1600 - 1725 Michael Hinz  Pool

KINA 134
Fitness Through Rhythmic Aerobics
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This course is designed to meet the needs of daily physical exercise for life long fitness and health. It is designed to present the following skills to the student: rhythmic aerobics, step aerobics, core fitness and flexibility training. Additionally, the student will learn basic definitions and terminology of the current fitness arena, assisting them with life-long fitness goals. Instruction in proper diet, heart rate monitoring, skill proficiency and fitness program planning will be provided to each student. This class is designed for students who are interested in starting an exercise program, or developing an active lifestyle.

35077 LAB 2/2/15 - 5/30/15 MW 0805 - 0930 Diane Stankevitz  PE139
35115 LAB 2/2/15 - 5/30/15 TR 0805 - 0930 Diane Stankevitz  PE139

KINA 136
Pilates Mat I
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This course introduces students to the basic Pilates floor exercises, which are designed to increase strength in the abdominal and spinal musculature. Students will engage in activities and exercises designed to increase awareness of body alignment, increase strength in the torso, spine and limbs, increase endurance, learn breathing techniques to utilize in strength training exercises, increase coordination, improve balance, and will learn about the muscle groups and their actions being utilized in the course. This course is suitable for students interested in dance. Hatha Yoga, athletics and individuals seeking to increase strength to better support the spine in everyday activities.

35078 LAB 2/2/15 - 5/30/15 TR 1730 - 1855 Elizabeth Curtis  PE139
35079 LAB 2/2/15 - 5/30/15 MW 0940 - 1105 Rachel Lopez  PE139
35083 LAB 2/2/15 - 5/30/15 TR 0940 - 1105 Elizabeth Curtis  PE139

KINA 139
Cross Training for Fitness
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This cross-training course is designed for the beginning as well as advanced student who wishes to increase their cardiovascular fitness level through a variety of aerobic and anaerobic activities. It is designed to present the following skills to the student: cycling, running, swimming, interval training and introduction to weight training. Additionally, the student will learn basic definitions and terminology of the current fitness arena, assisting them with life-long fitness goals using a variety of cardiovascular mediums.

35085 LAB 3/2/15 - 5/30/15 MW 1300 - 1510 Jennifer Tanaka-Hoshijo  PE137
35139 LAB 2/2/15 - 5/30/15 MW 0940 - 1105 To Be Assigned  PE137

KINA 147
Off-Season Conditioning for Intercollegiate Sports
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This course is designed for all students preparing for specific physical fitness related to off-season intercollegiate athletic participation. The purpose of the course is to develop a level of physical fitness, strength and conditioning that will enhance the athlete's ability to be successful in intercollegiate competition. This course may be repeated three times for credit.

35086 LAB 3/16/15 - 5/30/15 TR 1635 - 1900 Teddi Esko G100
35087 LAB 3/16/15 - 5/23/15 MTWR 1500 - 1620 Richard Lowe G100
35088 LAB 3/16/15 - 5/23/15 MTWR 1315 - 1435 Steve Johnson G100

KINA 148
Strength Training
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This course is designed for students who would like to learn the basic fundamentals of strength and conditioning. Students will be introduced to a variety of routines that will enable them to develop a personal exercise plan.

35089 LAB 2/2/15 - 5/30/15 TR 0805 - 0930 Bianca Urquidi PE137
35090 LAB 2/2/15 - 5/30/15 MW 1115 - 1240 Jennifer Tanaka-Hoshijo PE137
35091 LAB 2/2/15 - 5/30/15 TR 0940 - 1105 Steve Johnson PE137
35116 LAB 2/2/15 - 5/30/15 MW 0630 - 0755 Rene Herrera PE137

KINA 158
Yoga I
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfer to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This course is designed for the beginning student who would like to learn the fundamental physical Asanas (poses) of Hatha Yoga as well as Pranayama (breathing techniques) and Dhyana (meditation techniques). The goal of the course is to integrate the mind, body, and spirit and to give the student tools to better manage stress, alleviate physical tensions, and encourage optimum fitness. In this introductory course, students learn proper physical alignment in the standing poses (Sun Salutation Series A-C, Warrior 1-2, Downward Dog, Upward Dog, Cobra, Triangle, Crescent), the floor poses (Staff, Lotus, Cobbler, Twists, Backbends), and in elementary inversions (Inverted Leg Rest, Headstand Preparation, WallDog Preparation).

35092 LAB 2/2/15 - 5/30/15 MW 1905 - 2030 Elaine Martinez PE139
35093 LAB 2/2/15 - 5/30/15 MW 1115 - 1240 Michael Hinz PE141
35094 LAB 2/2/15 - 5/30/15 S 0830 - 1140 Lisa Jay PE139
35095 LAB 2/2/15 - 5/30/15 MW 1115 - 1240 Rachel Lopez PE139

KINA 159
Cross Training for Intercollegiate Athletics
1 Unit
Prerequisite: Participation in Intercollegiate Sports
Advisory: READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This course is designed for any student preparing for intercollegiate athletic competition. This cross-training course is designed for the advanced student-athlete who wishes to increase all aspects of their fitness levels through a variety of strength, flexibility, aerobic and anaerobic activities. The specific physical fitness routines required by the intercollegiate athlete during the off-season will be addressed. The purpose of the course is to develop a level of physical fitness, strength and conditioning that will enhance the athlete's ability to be successful in intercollegiate competition. This course may be repeated three times for credit.

35096 LAB 2/2/15 - 5/30/15 MW 1835 - 2000 Michael Tellez L201
KINA 171  
**Women's Intercollegiate Tennis Team**  
3 Units  
Advisory: READ 022 or appropriate assessment  
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)  
This is an advanced course designed for students who will be competing at the collegiate level in the sport of women's tennis. Students will be required to spend a minimum of 10.125 hours a week preparing for competition with other colleges. This course may be repeated three times for credit.

KINA 173  
**Women's Intercollegiate Softball Team**  
3 Units  
Advisory: READ 022 or appropriate assessment  
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)  
This is an advanced course designed for students who will be competing at the collegiate level in the sport of women's softball. Students will be required to spend a minimum of 10.125 hours a week preparing for competition with other colleges. This course may be repeated three times for credit.

KINA 180  
**Men's Intercollegiate Baseball Team**  
3 Units  
Advisory: READ 022 or appropriate assessment  
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)  
This is an advanced course designed for students that will be competing at the collegiate level in the sport of men's baseball. Students will be required to spend a minimum of 10.125 hours a week preparing for competition with other colleges. This course may be repeated three times for credit.

KINA 185  
**Men's Intercollegiate Swim Team**  
3 Units  
Advisory: READ 022 or appropriate assessment  
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)  
This is an advanced course designed for students who will be competing at the collegiate level in the sport of men's swimming. Students will be required to spend a minimum of 10.125 hours a week preparing for competition with other colleges. This course may be repeated three times for credit.

KINA 205  
**Basketball II**  
1 Unit  
Prerequisite: KINA 105 or instructor approval for admission  
Advisory: READ 022 or appropriate assessment  
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)  
This course is designed for the intermediate to advanced basketball player who wants advanced level basketball development. Students will participate in full court team play, receive advanced instruction on strategies, offensive and defensive skills and concepts, analyze intercollegiate and professional game film and learn intercollegiate and professional rules.
KINA 230
Lifelong Fitness Center II - Cardiovascular Fitness
1 Unit
Prerequisite: KINA 130 or PE 130
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or MATH 020C or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This class is a course designed to give the student skills and information to improve their own cardiovascular fitness. This class will involve instruction and practice in techniques that will promote cardiovascular fitness: running, jump rope, core training, aerobic activity, aerobic circuit and resistance bands. The student will learn about the importance of blood pressure, heart rate and diet in relation to cardiovascular disease.

KINA 270
Women’s Intercollegiate Basketball Team II
1.5 Units
Prerequisite: KINA 170
Advisory: READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This is an advanced course designed for students who will be competing at the collegiate level in the sport of women’s basketball during conference play. This class is offered for 11 consecutive weeks to run concurrent with the intercollegiate basketball season as determined by the CCCAA governing body. Students will be required to spend a minimum of 7.36 hours a week for 11 weeks preparing for competition with conference colleges. This course may be repeated three times for credit.

KINA 281
Men’s Intercollegiate Basketball Team II
1.5 Units
Advisory: READ 022 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*The UC will grant a maximum of 4 units credit for PE activity courses)
This is an advanced course designed for students who will be competing at the collegiate level in the sport of men’s basketball during conference and post season play. This class is offered for 11 consecutive weeks to run concurrent with the intercollegiate basketball season as determined by the CCCAA governing body. Students will be required to spend a minimum of 7.36 hours a week for 11 weeks preparing for competition with conference colleges. This course may be repeated three times for credit.

LIB 101
Fundamentals of Library Research
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; CIT 100A
Transfers to: UC, CSU
This course promotes information literacy by introducing students to the resources available in an academic library, including books, online catalogs, online databases, and Web sources. Students learn how to define their research problem, apply appropriate search tools, analyze and evaluate information and search strategies, and use information ethically and legally. The critical thinking skills and research strategies learned in this class will benefit students who need to find information for college-level research assignments, career demands, and lifelong learning.

LIT 102
Approaches to Literature
LIT 102H
Approaches to Literature Honors
3 Units
Prerequisite: ENGL 101 with a "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: LIT 102 or LIT 102H)
This course is designed for students who wish to study the four general literary forms: poetry, drama, short story, and novel. Emphasis will be placed on critical thinking, critical reading, and composing. Compositions will be based upon discussion, analysis and interpretations of literature, and upon the relationship of Western and Non-Western literature to contemporary thought. This course is intended for students eligible for the Honors Program.

LIT 112B
American Literature
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: LIT 112B or LIT 112BH)
This course is designed for students interested in exploring American literature from the mid-nineteenth century to the present. It introduces students, through class discussions and written essays, to representative writers of this period such as Emily Dickinson, Mark Twain, Edith Wharton, Robert Frost, Zora Neale Hurston, William Faulkner, Ernest Hemingway, Tennessee Williams, Lorraine Hansberry, Henry David Hwang, Toni Morrison, Leslie Marmon Silko, Maxine Hong Kingston, Milcha Sanchez-Scott, and others.
LIT 114
Children's and Adolescent Literature
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is an introduction to children’s and adolescent literature in its three general literary forms: the short story (including myths, legends, fairy tales, and folk tales), the novel, and poetry. Stress is placed upon critical thinking, critical reading, and composing. This course will explore works of children’s literature from ancient times to the present, analyze the literary elements of these works, assess their value for both children and adults, and examine the historical and cultural environments in which they were written, including but not limited to Asian, Latino, Native American, and African cultures. This course is beneficial for English majors, students planning to transfer to a university, parents, and future elementary and secondary teachers.

LIT 117
Mexican Literature in Translation
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course explores a range of Mexican literature in English translation, with a focus on major literary influences and achievements from the pre-Hispanic era to the twentieth century. Course reading and writing assignments explore indigenous literatures and myths, chronicles of the Spanish conquest, literature of the colonial period, high culture and folklore of the eighteenth century, political and modernist literature of the nineteenth century, and poetry and prose of the twentieth century. This course is designed for students interested in exploring various genres of literature, students interested in learning more about Mexican cultural expression, and students majoring in Chicano Studies.

LIT 117H
Mexican Literature in Translation Honors
3 Units
Prerequisite: ENGL 101 with a "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course explores a range of Mexican literature in English translation, with a focus on major literary influences and achievements from the pre-Hispanic era to the twentieth century. Course reading and writing assignments explore indigenous literatures and myths, chronicles of the Spanish conquest, literature of the colonial period, high culture and folklore of the eighteenth century, political and modernist literature of the nineteenth century, and poetry and prose of the twentieth century. This course is designed for students interested in exploring various genres of literature, students interested in learning more about Mexican cultural expression, and students majoring in Chicano Studies. This course is intended for students eligible in the honors program.

LIT 144B
World Literature
3 Units
Prerequisite: ENGL 035 or ENLA 100 or appropriate assessment
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course introduces students to a wide range of world literature from the seventeenth century to the present. Although the emphasis is on continental literature and Western civilization, the course may include significant works from African, Asian, Middle Eastern, and/or Latin American traditions. Course reading and
writing assignments emphasize the European Enlightenment, romanticism, realism, modernism, and literature as a reflection of major cultural events and beliefs. This course is designed for students interested in learning more about literary expression and students intending to major in a literary or arts-related field of study. LIT 144A need not be taken before LIT 144B.

LIT 145
Introduction to the Short Story
3 Units
Prerequisite: ENGL 035 or ENLA 100 or appropriate assessment
Advisory: READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: LIT 145 or LIT 145H)
This course is designed for students interested in exploring short fiction from a variety of different periods and traditions in order to increase appreciation, understanding, and enjoyment of its various forms and techniques. Students will compare and contrast authors' works in writing and class discussion. The course emphasizes the short story as a genre from the Nineteenth century to the present.

LIT 145H
Introduction to the Short Story Honors
3 Units
Prerequisite: ENGL 101 with a grade "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: LIT 145 or LIT 145H)
The course is designed for students interested in exploring short fiction from a variety of different periods and traditions in order to increase appreciation, understanding, and enjoyment of its various forms and techniques. Students will compare and contrast authors' works in writing and class discussion. The course emphasizes the short story as a genre from the Nineteenth century to the present. This course is designed for students eligible for the honors program.

LIT 146B
British Literature
3 Units
Prerequisite: ENGL 035 or ENLA 100 or appropriate assessment
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for students interested in learning about British literature written from the beginning of the nineteenth century to the present. The following major British writers will be discussed: Austen, Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold, Shaw, Yeats, Eliot, and others.

LIT 146BH
British Literature Honors
3 Units
Prerequisite: ENGL 101 with a "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for students interested in learning about British literature written from the beginning of the nineteenth century to the present. The following major British writers will be discussed: Austen, Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Arnold, Shaw, Yeats, Eliot, and others.
This course is designed for students eligible for the Honors Program.

LIT 147
Cinema as Literature
3 Units
Prerequisite: ENGL 035 or ENLA 100 or appropriate assessment
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is for students interested in learning about the aesthetics of film making, especially with regard to adaptation of literature to the cinematic medium. Films will be analyzed and evaluated according to their historical, social, cultural, aesthetic, and technical significance. Both American and international film making will be covered.

LOG 110
Warehouse Management
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment; CIT 042; LOG 101
Transfers to: CSU
This course is intended for students seeking a career in logistics or supply chain management. This course provides the essential skills for warehouse managers, with emphasis on the planning, protection, productivity, and quality control functions in warehouse and distribution operations. Topics include warehouse design and layout, effective communications, industry terminology, technology, distribution systems, inventory management and protection, accountability, auditing, and safety rules and regulations. This course is intended for students seeking a career in logistics or supply chain management.

LOG 115
Inventory Management
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or MATH 050D or MATH 053 or appropriate assessment; CIT 042; LOG 101
Transfers to: CSU
This course is intended for students seeking a career in logistics or supply chain management. The course reviews the concepts and techniques available for planning and controlling inventories. The student will examine methods to determine the appropriate amount of inventory to carry; the relationship between inventory as a physical asset and an accounting asset; the difference between raw material, work-in-process, and finished goods inventories; controlling the physical locations of inventory; recognizing and analyzing inventory dysfunctions; bar code technologies; and protecting inventory from natural, technological, and man-made disasters.

MATH 020
Basic Mathematics
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 021 or appropriate assessment; Individual modules to be taken in sequence.
This course is designed for students who need a review of the basic principles and skills of arithmetic. The general areas of review are: operations with whole numbers and fractions; operations with decimals and proportional thinking; percent problems and applications to percents. Students may enroll in MATH 020 in a lecture section for three units of credit or in individual one-unit modules: MATH 020A, 020B, and 020C in the Math and Science Center (MSC). This is a non-degree credit course.
MATH 020A
Basic Mathematics A
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 021 or appropriate assessment; Individual modules to be taken in sequence.
This course is designed for students who need a review of the basic principles and skills of arithmetic. See MATH 020 for more information.

31217 WEB 2/2/15 - 5/30/15 Elaine Hemenway S300
34112 WEB 4/6/15 - 5/30/15 Elaine Hemenway S300

MATH 020B
Basic Mathematics B
1 Unit
Prerequisite: MATH 020A with a "C" or better
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 021 or appropriate assessment; Individual modules to be taken in sequence.
This course is designed for students who need a review of the basic principles and skills of arithmetic. See MATH 020 for more information.

31229 WEB 2/2/15 - 5/30/15 Elaine Hemenway S300
34111 WEB 4/6/15 - 5/30/15 Elaine Hemenway S300

MATH 020C
Basic Mathematics C
1 Unit
Prerequisite: MATH 020B with a "C" or better
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 021 or appropriate assessment; Individual modules to be taken in sequence.
This course is designed for students who need a review of the basic principles and skills of arithmetic. See MATH 020 for more information.

31233 WEB 2/2/15 - 5/30/15 Elaine Hemenway S300
34113 WEB 4/6/15 - 5/30/15 Elaine Hemenway S300

MATH 030
Prealgebra
4 Units
Prerequisite: MATH 020 or MATH 021 or MATH 020C with a "C" or better or appropriate assessment
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
This course is designed primarily for students who know the fundamentals of arithmetic, and have had little or no background in algebra. The course strengthens the student's arithmetic and informal geometry skills, provides an introduction to the abstractions of algebra using fundamental principles of rational numbers, order of operations, and solving linear equations. Students may enroll in MATH 030 in a lecture section for four units.
of credit, or individual one-unit modules 030A, 030B, 030C, and 030D in the Math and Science Center (MSC).

<table>
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<th>Class Number</th>
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<th>Days</th>
<th>Time (Start - End)</th>
<th>Instructor</th>
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<td>Jose Martinez</td>
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**MATH 030A**
Prealgebra A
1 Unit
Prerequisite: MATH 020 or MATH 021 or MATH 020C with a "C" or better or appropriate assessment
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
This course is designed primarily for students who know the fundamentals of arithmetic, and have had little or no background in algebra. See MATH 030 for more information.

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**MATH 030B**
Prealgebra B
1 Unit
Prerequisite: MATH 030A with a "C" or better
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
This course is designed primarily for students who know the fundamentals of arithmetic, and have had little or no background in algebra. See MATH 030 for more information.

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**MATH 030C**
Prealgebra C
1 Unit
Prerequisite: MATH 030B with a "C" or better
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
This course is designed primarily for students who know the fundamentals of arithmetic, and have had little or no background in algebra. See MATH 030 for more information.
MATH 030D  
Prealgebra D  
1 Unit  
Prerequisite: MATH 030C with a "C" or better  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment  
This course is designed primarily for students who know the fundamentals of arithmetic, and have had little or no background in algebra. See MATH 030 for more information.

MATH 033  
Fast-Track Prealgebra  
4 Units  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment  
This is the first of three math courses designed to allow students to complete developmental math courses at a faster rate of speed than the traditional lecture course. This course combines topics from both Basic Math and Prealgebra, including operations with whole numbers, integers, fractions, decimals and proportional thinking, percent problems and applications to percents, as well as an introduction to algebraic thinking using fundamental principles of expressions and solving linear equations.

MATH 049  
Introduction to MESA  
1 Unit  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
This standalone one-unit course is designed for students who participate in the MESA (Mathematics, Engineering, Science Achievement) program at Rio Hondo College. The course will introduce students to Science-Technology-Engineering-Mathematics (STEM) career paths, transfer requirements, internships and scholarships availabilities. The course introduces StrengthsQuest and will assist the student in compiling strengths- based resumes and personal statements. Students are expected to be concurrently enrolled in at least one mathematics or science course.

MATH 050  
Elementary Algebra  
4 Units  
Prerequisite: MATH 030 or MATH 030D or MATH 033 with a grade of "C" or better or appropriate assessment  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment  
This course is an introduction to the basic principles and skills of algebra. It is designed primarily for those students who have no prior training in algebra or need a review of the fundamentals of algebra. Topics include: numbers and their properties, operations with real numbers, exponents, solutions and graphs of linear equations, slopes of lines, system of linear equations and applications, operations with polynomials including factoring, solving quadratic equations, operations with simple rational and radical expressions. Students may enroll in MATH 050 in a lecture section for four units of credit, or individual one-unit modules 050A, 050B, 050, and 050D in the Math and Science Center (MSC) or online.
MATH 050A
Elementary Algebra A
1 Unit
Prerequisite: MATH 030 or MATH 030D or MATH 033 with a grade of "C" or better or appropriate assessment
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
This course is an introduction to the basic principles and skills of algebra. It is designed primarily for those students who have no prior training in algebra or need a review of the fundamentals of algebra. See MATH 050 for more information.

31417 CLAS 2/2/15 - 5/30/15 TR 1900 - 2130 Ziauddin Khwaja S330
31420 CLAS 2/2/15 - 5/30/15 MW 0730 - 1000 Abraham Romero Hernandez S303
31421 CLAS 2/2/15 - 5/30/15 TR 1430 - 1700 Cameron English S301
31422 CLAS 2/2/15 - 5/30/15 TR 1600 - 1830 Erin Irwin S311
31423 CLAS 2/2/15 - 5/30/15 MW 0800 - 1030 Hoa Ly EM101
31424 CLAS 2/2/15 - 5/30/15 TR 1015 - 1245 Robert Botello S303
31425 CLAS 2/2/15 - 5/30/15 MW 1115 - 1345 Firouzeh Daryoush S209
31426 CLAS 2/2/15 - 5/30/15 MW 1000 - 1230 Amtul Chaudry S203
31427 CLAS 2/2/15 - 5/30/15 MW 1300 - 1530 Boyd Benson S329
31428 CLAS 2/2/15 - 5/30/15 MW 1400 - 1630 Lynne Graham S209
31429 CLAS 2/2/15 - 5/30/15 TR 1300 - 1530 Krysia Mayer S225
31436 CLAS 2/2/15 - 5/30/15 TR 1030 - 1300 Nguyen Vu S200
31437 CLAS 2/2/15 - 5/30/15 MW 1015 - 1245 Gregory Miller S211
31438 CLAS 2/2/15 - 5/30/15 TR 1300 - 1530 Evan Skorka S329
31439 CLAS 2/2/15 - 5/30/15 TR 1300 - 1530 Erin Irwin S326
31440 CLAS 2/2/15 - 5/30/15 MW 1900 - 2130 Ann Pham S211
31442 CLAS 2/2/15 - 5/30/15 TR 1600 - 1830 Geoffrey McWilliams S201
31445 CLAS 2/2/15 - 5/30/15 TR 1900 - 2130 Kayvon Sarvi S326
31448 CLAS 2/2/15 - 5/30/15 MW 1600 - 1830 Alan Archambault S311
31449 CLAS 4/6/15 - 5/30/15 MW 0800 - 1030 Matthew Pitassi A210
31452 CLAS 2/2/15 - 5/30/15 TR 1300 - 1530 Charles Fogel S330
31457 CLAS 2/2/15 - 5/30/15 TR 1600 - 1830 Victor Gomez S211
31461 CLAS 2/2/15 - 5/30/15 MW 1115 - 1345 Cameron English LS03
31466 CLAS 2/2/15 - 5/30/15 TR 1900 - 2130 Dimetros Dammena S303
31476 CLAS 2/2/15 - 5/30/15 MW 1725 - 1850 Hank Fung S209
WEB 2/2/15 - 5/30/15 Hank Fung
32723 CLAS 2/2/15 - 5/30/15 TR 1045 - 1315 Jose Martinez SW108
35150 CLAS 2/2/15 - 3/28/15 MTWR 1115 - 1345 Matthew Pitassi S226

WEB 2/2/15 - 5/30/15 Matthew Pitassi S226
MATH 050B  
**Elementary Algebra B**  
1 Unit  
Prerequisite: MATH 050A with a grade of "C" or better or appropriate assessment  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment  
This course is an introduction to the basic principles and skills of algebra. It is designed primarily for those students who have no prior training in algebra or need a review of the fundamentals of algebra. See MATH 050 for more information.

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MATH 050C  
**Elementary Algebra C**  
1 Unit  
Prerequisite: MATH 050B with a grade of "C" or better or appropriate assessment  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment  
This course is an introduction to the basic principles and skills of algebra. It is designed primarily for those students who have no prior training in algebra or need a review of the fundamentals of algebra. See MATH 050 for more information.

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MATH 050D  
**Elementary Algebra D**  
1 Unit  
Prerequisite: MATH 050C with a grade of "C" or better or appropriate assessment  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment  
This course is an introduction to the basic principles and skills of algebra. It is designed primarily for those students who have no prior training in algebra or need a review of the fundamentals of algebra. See MATH 050 for more information.

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MATH 053  
**Fast-Track Elementary Algebra**  
4 Units  
Prerequisite: MATH 030 or MATH 030D or MATH 033 with a grade of "C" or better or appropriate skill level as determined by participation in the math placement process  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment  
This is the second of three math courses designed to allow students to complete developmental math courses at a faster rate of speed than the traditional lecture course. It is designed primarily for those students who need to learn the fundamentals of algebra. This course consists of topics including solutions and graphs of linear equations and inequalities, slopes of lines, systems of linear equations and applications, operations with polynomials including factoring and solving quadratic equations.

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2/2/15 - 5/30/15  
1435 - 1505 Leah Griffith  
S211 |
MATH 060  
Geometry  
3 Units  
Prerequisite: MATH 050 or MATH 050D or MATH 053 with a grade of "C" or better or appropriate assessment  
Advisory: ENGL 030 or ENLA 024 or appropriate assessment  
This course is an introduction to the elements of geometry, including points, lines, planes, and angles. These elements are used in conjunction with triangles, polygonal and circular figures in both two and three dimensional configurations. Formulas for computing lengths, areas, and volumes are presented through the use of applications. This course is intended for students who have not had or completed two semesters of high school geometry or who need a refresher prior to taking trigonometry, technology courses, mathematics for elementary teachers or other courses with a geometry prerequisite.

MATH 070  
Intermediate Algebra  
4 Units  
Prerequisite: MATH 050 or MATH 050D or MATH 053 with a grade of "C" or better or appropriate assessment  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU if taken prior to the Fall Semester, 1988  
This course is designed for students who have completed an elementary algebra course and need to complete an additional course in algebra before proceeding to a college level transferable course. This course is a study of linear and quadratic equations and inequalities, system of linear equations, polynomials, exponents and radicals, relations and functions, graphs of functions, exponential and logarithmic expressions and their applications. Students may enroll in MATH 070 in a lecture section for four units of credit or in individual one-unit modules: MATH 070A, 070B, 070C, and 070D in the Math and Science Center (MSC) or online.
MATH 070A
Intermediate Algebra A
1 Unit
Prerequisite: MATH 050, MATH 050D, or MATH 053 with a grade of "C" or better or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU if taken prior to the Fall Semester, 1988
This course is designed for students who have completed an elementary algebra course and need to complete an additional course in algebra before proceeding to a college level transferable course. See MATH 070 for more information.

MATH 070B
Intermediate Algebra B
1 Unit
Prerequisite: MATH 070A with a grade of "C" or better or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU if taken prior to the Fall Semester, 1988
This course is designed for students who have completed an elementary algebra course and need to complete an additional course in algebra before proceeding to a college level transferable course. See MATH 070 for more information.

MATH 070C
Intermediate Algebra C
1 Unit
Prerequisite: MATH 070B with a grade of "C" or better or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU if taken prior to the Fall Semester, 1988
This course is designed for students who have completed an elementary algebra course and need to complete an additional course in algebra before proceeding to a college level transferable course. See MATH 070 for more information.

MATH 070D
Intermediate Algebra D
1 Unit
Prerequisite: MATH 070C with a grade of "C" or better or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU if taken prior to the Fall Semester, 1988
This course is designed for students who have completed an elementary algebra course and need to complete an additional course in algebra before proceeding to a college level transferable course. See MATH 070 for more information.
MATH 073
Fast-Track Intermediate Algebra
4 Units
Prequisite: MATH 050 or MATH 050D or MATH 053 with a grade of "C" or better or appropriate skill level as determined by participation in the math placement process
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
This is the third of three math courses designed to allow students to complete developmental math courses at a faster rate of speed than the traditional lecture course. This course is designed for students who have completed an elementary algebra course and need to complete an additional course in algebra before proceeding to a college level transferable course. This course is a study of systems of linear equations in more than two variables, radical and rational expressions and equations, complex absolute value equations and inequalities, relations and functions, synthetic division, graphs of functions, exponential and logarithmic expressions and their applications, as well as complex numbers.

MATH 130
Statistics
4 Units
Prequisite: MATH 070, MATH 070D, or MATH 073 with a grade of "C" or better or appropriate assessment
Advisory: ENGL 101 or appropriate assessment; READ 101 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: MATH 130 or MATH 130H)
This course is designed for students majoring in business, social sciences, and life sciences. This course provides an overview of descriptive and inferential statistics. The students learn to read, interpret and present data in a well-organized way. This includes frequency distributions, graphs, measures of central tendency and variability, correlation and linear regression. While discussing inferential statistics, the students learn to make generalizations about populations. This includes probability, sampling techniques, confidence intervals, and hypothesis tests.
mathematics taught in elementary school. Because it is intended for the student preparing to teach at that
level, it frequently refers to and uses materials and methodology appropriate for students at that level, but it
is not a methods course. The course is concept-driven with an emphasis on problem solving. Concrete
manipulatives are used to give meaning to abstract mathematical concepts. Topics include numeration and
place value concepts, models and algorithms for operations with whole numbers, integers, fractions and
decimals, and the structure and properties of the real number system.

MATH 160
College Algebra
4 Units
Prerequisite: MATH 070 or MATH 070D or MATH 073 with a grade of "C" or better or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following
courses: MATH 160 or MATH 165 or MATH 180)
This course will cover linear, quadratic, polynomial, power, exponential, and logarithmic functions and their
applications from a graphical, numerical, and analytical point of view. The course also will cover systems of
equations and inequalities and sequences and series. The course serves as preparation for students planning
to take Elements of Calculus (MATH 170). Graphing technology will be required.

MATH 170
Elements of Calculus
4 Units
Prerequisite: MATH 160 with a grade of "C" or better or appropriate assessment
Advisory: ENGL 101; READ 101 Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following
courses: MATH 170, MATH 190, or MATH 190H)
This is a one-semester course in the fundamentals of algebra-based calculus and its applications to the fields
of business, economics, social sciences, biology and technology. Course topics include graphing of functions,
derivatives and integrals of polynomials, exponential and logarithmic functions, applications of derivatives
and integrals, multi-variable derivatives and differential equations.

MATH 175
Plane Trigonometry
3 Units
Prerequisite: MATH 060 and MATH 070 or MATH 070D or MATH 073 with a grade of "C" or better or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU This course is designed for students who are majoring in math, science, and engineering. This
course equips students with the skills necessary for success in pre-calculus. It presents the concepts of
plane trigonometry using a functions approach. Included is a study of basic relations, functions, and
transformations, as well as circular functions, trigonometric functions of angles, identities, inverse functions
and their equations and solutions of triangles.

MATH 180
Pre-Calculus
4 Units
Prerequisite: MATH 175 with a grade of "C" or better or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 101 or appropriate assessment
MATH 190
Calculus I
4 Units
Prerequisite: MATH 180 with a grade of "C" or better or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: MATH 160 or MATH 165 or MATH 180)
This course is designed to prepare students for the study of calculus. It presents a comprehensive study of linear, quadratic, polynomial, exponential, logarithmic, rational, and trigonometric functions. Inequalities, introductory analytical geometry, polar coordinates, polar equations and their graphs, DeMoivre's Theorem and an introduction to sequences are also included. This course is a prerequisite for MATH 190.

MATH 190H
Calculus I Honors
4 Units
Prerequisite: MATH 180 with a grade of "C" or better or appropriate assessment
Advisory: ENGL 101 with a grade of "C" or better or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: MATH 170, MATH 190 or MATH 190H)
MATH 190H is a semester course designed primarily for those students planning to pursue programs in engineering, mathematics, computer science, and physical sciences. This course includes topics of differential and integral calculus of a single variable.

MATH 191
Calculus II
4 Units
Prerequisite: MATH 190 or MATH 190H with a grade of "C" or better or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: UC
MATH 191 is a semester course which continues the study of calculus begun in MATH 190. The course includes techniques of integration, improper integrals, anti-derivatives, application of the definite integral, differential equations, Taylor polynomials, series, vectors, the dot product and the cross product. This course is the second course of the calculus sequence required of engineering, physics, and mathematics majors.

MATH 250
Calculus III
4 Units
Prerequisite: MATH 191 with a grade of "C" or better
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: UC, CSU
This course involves a study of functions of two or more variables using the principles of calculus, vector analysis, and parametric equations. Included is a study of solid regions using partial differentiation, vector analysis, and multiple integration. This course also includes a study of vector calculus topics, such as line and surface integrals, Green's Theorem, Stokes' Theorem, and the Divergence Theorem. This is the third course of the calculus sequence required of engineering, physics, and mathematics majors.

MATH 270
Differential Equations
4 Units
Prerequisite: MATH 250 with a grade of "C" or better
Transfers to: UC, CSU
This course is a study of ordinary differential equations with applications in the physical and social sciences. The course includes a study of linear and nonlinear first-order differential equations, linear higher order differential equations, systems of differential equations, power series solution of differential equations, and Laplace transforms. This course is a continuation of MATH 190, MATH 191, and MATH 250 and is required for all Engineering, Physics, and Mathematics majors.

MGMT 101
Introduction to Business
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 050 or appropriate assessment
Transfers to: UC, CSU
This course is designed for the student who has an interest in a career in business. Topics cover business operations, strategies for both domestic and international markets, economic factor, legal regulations, management, leadership, marketing, financial operations, accounting controls, and e-commerce. This course will count toward a business certificate or degree in business and will transfer to a four-year school.

MGMT 105
Elements of Supervision
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MGMT 101
Transfers to: CSU
This course is designed for the student who is considering a career in management and is seeking an entry-level career position with a company in retailing, industry, or the government. This course examines the role of the first-line manager and/or supervisor within the organization and emphasizes the application of management functions in effective supervision. Topics include an overview of management principles in direct and straightforward terms, critical concepts and insights into real world practice and challenges.
MGMT 108  
**Business Writing**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MGMT 050  
Transfers to: CSU  
The course covers the principles of effective writing in business. Extensive experience is provided using the different forms of business writing—memorandums, letters, reports, and resumes. Cultural differences and their impact on communicating in business will be studied. This course is designed for students pursuing careers in business.

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MGMT 130  
**Small Business Management-Entrepreneurship**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MGMT 101  
Transfers to: CSU  
This course is designed for those students interested in small business, either in a domestic or international market. Topics include start-up methods and techniques, management and operations, marketing, financing and cash management, location strategies, personnel practices, buying and selling strategies, and e-commerce. This course will also provide students with an opportunity to develop a business plan as it pertains to their small business interest.

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MGMT 140  
**Introduction to International Business**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course is designed to provide students with a global perspective of business and acquaint students with the relationship of culture, politics, laws, and economics to operation in today's complex global business environment. The subjects covered will include international trade and finance, confidentiality and privacy, international marketing, and international human resources management. This course is designed for students looking for entry-level positions in the field of international business.

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MGMT 142  
**International Management**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course is designed to provide students with a compressive overview of the management practice as it relates to international business. An emphasis will be placed on the planning, problem solving, organizational structure, human resource management, and production management as it relates to international competition. These functions of management will all be evaluated and examined under international competitive situations and cross cultural boundaries. This course is designed for international business major and those interested in furthering their knowledge of business culture, strategy and behavior issues in the
global context.

MGMT 143
Import and Export Business
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This introductory course is designed to provide students with an understanding of International Trade, specifically with regard to Import/Export. The course is designed for those who want to enter the field of Trade and International Business or for those who wish to further their knowledge and understanding of International Business and International Trade.

MGMT 146
Human Resources Management
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed for the student who wants to study employer-employee relationships with particular emphasis on the challenges facing an expanding multicultural workforce in Southern California. Topics include: legal framework; personnel policies and procedures; implementing equal employment and affirmative action; legal aspects of supervision; training and development; interviewing; testing; wage and salary administration, job analysis and description; recruitment; transfers; promotions; and principles of collective bargaining.

MGMT 150
Principles of Management
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment; MGMT 101
Transfers to: CSU
This course is designed for the student who is seeking a career in management or for the student who needs to expand his/her knowledge of management techniques and organizational methods. In this course, students will learn the theory and application of managerial functions as it applies to planning, organizing, leading, and controlling organizations. Additional topics to be covered will include the history of management, and practical management techniques, practices, and problem solving methodologies. The topics of employee empowerment, characteristics and qualities of successful managers, and contemporary trends in management will also be explored in this course.

MGMT 208
Business Communications
3 Units
Prerequisite: ENGL 101
Transfers to: CSU
This course covers the principles of effective writing in business. Extensive experience is provided using the different forms of business writing—memorandums, letters, reports, and resumes. Cultural differences and their impact on communicating in business will be studied. This course satisfies the business communications component for the Associates of Sciences Degree in Business Administration for transfer (TMC).
MGMT 290
Cooperative Work Experience/Internship for Business Management Related Fields
1 Unit
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment

Transfers to: CSU
This course supports and reinforces on-the-job training in business and industrial establishments under supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in their area of vocational interest and will meet performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose job is related to the field of Business Management and have completed or enrolled in the appropriate coursework. "Contact the CWE office regarding re-enrollment procedures".

Student Unpaid Internship:
1 Unit/60 hours; 2 Units/120 hours;
3 Units/180 hours; 4 Units/240 hours

Student Paid Internship:
1 Unit/75 hours; 2 Units/150 hours;
3 Units/225 hours; 4 Units/300 hours.

MRKT 170
Elements of Marketing
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MGMT 101
Transfers to: CSU
This course is designed for the student who is interested in a career in marketing or gaining an entry-level marketing position with a retail, industrial, service, or consumer product company. Discussion of marketing concepts, strategies, and techniques will take place in an environment that reflects new technologies and international competitiveness. The topics in the course will include marketing concepts, functions, operations, and organizations of retail and wholesale enterprises; distribution channels; market research; advertising; marketing costs; pricing; cooperative marketing, marketing legislation and regulations and trends.

MRKT 172
Advertising and Promotion
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MGMT 101
Transfers to: CSU
This course is designed to introduce students to the creative and competitive field of advertising and promotion. Course content includes understanding the target audience, developing marketing and advertising plans, engaging in the creative process through strategy and execution, and integrating marketing communications elements as they relate to personal selling, sales promotion, direct marketing, and electronic,
digital, and print media. This course is appropriate for the marketing major or anyone interested in advertising and promotion.

MRKT 174  
Small Business Marketing and Advertising  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MGMT 101  
Transfers to: CSU  
This class provides useful and effective marketing and advertising tools and techniques to those students who have or would like to own a small business. A special emphasis is placed on the fundamentals of marketing and guerilla marketing and advertising techniques. Topics for discussion will include marketing plan strategies, marketing research, marketing channel management, retail and pricing strategies, and cost-effective guerilla advertising techniques for small businesses.

MSCM 103  
Survey of Motion Picture, Radio and Television  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 022 or appropriate assessment  
Transfers to: UC (credit limit *), CSU (*Students will receive credit from UC for only one of the following courses: MSCM 103 or MSCM 128)  
This course presents a broad survey of the history, theory, aesthetic principles, and production techniques used in the making of motion pictures, radio, and television programs. Students will view or listen to numerous television shows, motion pictures, films, and radio programs in order to become familiar with various production techniques and methods of critically evaluating media presentations. Guest lecturers and field trips to film, TV shows, and radio studios may be scheduled.

MSCM 128  
Mass Media in Modern Society  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC (credit limit *), CSU (*Students will receive credit from UC for only one of the following courses: MSCM 103 or MSCM 128)  
This course in mass media surveys the history, format, laws, and significant contributors in American mass communications. Through projects and readings, students research and discuss such issues as free press, fair trial, foreign communications systems, and the relationship between free media and a democratic society.

MUS 101  
Fundamentals of Music  
3 Units  
Advisory: READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This is a course designed for the student interested in the fundamentals of music theory. Included in this class will be a study of basic notation, rhythm reading, major and minor scale construction, simple musical analysis and basic chord construction.
MUS 104
Music Theory II
3 Units
Prerequisite: MUS 103 with a "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for the student who wants to study the harmonic practices of the eighteenth and nineteenth centuries. Advanced stages of chromaticism which includes tonicization, modulation, modal mixture, and sequential movement both tonal and real will be incorporated into the harmonic study. Techniques and orchestration of instruments are studied and applied to melodic and motivic construction in a formal compositional context.

30268 CLAS 2/2/15 - 5/30/15 TR 1425 - 1550 Steven Mosher M111

MUS 106
Beginning Musicianship I
3 Units
Prerequisite: MUS 101 with a "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for the student who wants to develop beginning aural skills, sight-reading, sight-singing and rhythmic interpretation skills. It is recommended for all instrumentalists, singers and composers.

30271 CLAS 2/2/15 - 5/30/15 MW 1505 - 1630 Steven Mosher M111

MUS 107
Beginning Musicianship II
3 Units
Prerequisite: MUS 106 Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This beginning level course is designed for the student who wants to continue developing aural skills, sight-reading, sight-singing and rhythmic interpretation skills. It is recommended for all instrumentalists, singers and composers.

30276 CLAS 2/2/15 - 5/30/15 MW 1505 - 1630 Steven Mosher M111

MUS 110
College Community Orchestra
1 Unit
Advisory: MUS 101
Transfers to: UC, CSU
This course is designed for the instrumental music student who wants to become familiar with the vast body of orchestral music. It provides players an opportunity to develop their own musical capabilities as well as participating in ensemble playing. Students are expected to provide their own instruments. This course may be taken once and repeated three times for credit.

31699 LAB 2/2/15 - 5/30/15 M 1800 - 2110 Deborah Carnahan Whittier High School

MUS 116
Music Ensemble for Diverse Instruments I
2.5 Units
Transfers to: UC, CSU
This course is designed for the electric and acoustic instrumental student, the vocal student, and the novice to perform together in one ensemble. The ensemble content, which will depend upon the instrumental and vocal makeup of the class, will include a diversity of approaches that might include Latin, Asian, Popular and contemporary Classical Music.

30287 CLAS 2/2/15 - 5/30/15 T 0940 - 1105 Steven Mosher M109
LAB 2/2/15 - 5/30/15 R 0940 - 1150 Steven Mosher M109
2/2/15 - 5/30/15 T 1110 - 1200 Steven Mosher M109
MUS 117  
Music Ensemble for Diverse Instruments II  
2.5 Units  
Prerequisite: MUS 116  
Transfers to: UC, CSU  

This course is designed for the intermediate electric, acoustic instrumental and vocal students to perform together in one ensemble. The ensemble content, which will depend upon the instrumental and vocal makeup of the class, will include a diversity of approaches that might include Latin, Asian, Popular and contemporary Classical Music.

30301  CLAS  2/2/15 - 5/30/15  T  0940 - 1105  Steven Moshier  M109  
LAB  2/2/15 - 5/30/15  R  0940 - 1150  Steven Moshier  M109  
2/2/15 - 5/30/15  T  1110 - 1200  Steven Moshier  M109

MUS 119  
Advanced College Community Orchestra  
1 Unit  
Prerequisite: MUS 110  
Transfers to: CSU  

This course is designed for the more advanced instrumental music student who wants to become more familiar with the vast body of orchestral music. It provides advanced players an opportunity to further develop their own musical capabilities as well as participate in ensemble playing. Students are expected to provide their own instruments. This course may be taken once and repeated three times for credit.

31700  CLAS  2/2/15 - 5/30/15  M  1800 - 2110  Deborah Carnahan  Whittier High School

MUS 120  
Vocal Arts Ensemble I  
2 Units  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment  
Transfers to: UC, CSU  

This course is designed for the student who seeks an opportunity to perform in a vocal ensemble. Participation in public performance is required. The repertoire will include a diversity of selections including classical choral literature, world music, popular and contemporary music. Previous choral experience is not required.

30340  CLAS  2/2/15 - 5/30/15  M  0940 - 1105  John St. Marie  M109  
LAB  2/2/15 - 5/30/15  W  0940 - 1105  John St. Marie  M109

MUS 129  
Music in Latin American Culture  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  

This course is a survey course designed for the student seeking an introduction to music in Latin American culture. The course will focus on the diverse musical cultures of South America, Central America, Mexico and the Caribbean. Emphasis will be placed on rhythmic styles and structures, as well as, specific social, cultural, and historical backgrounds.

30394  CLAS  2/2/15 - 5/30/15  TR  1250 - 1415  Jannine Livingston  M124

MUS 131  
Music History and Literature After 1750  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  

This course is designed for the student who seeks an introduction to the major composers and musical movements from 1750 to the present. The course focuses on learning, reasoning, and writing about these periods with the goal of understanding their social, political, and cultural contexts. In addition, these periods will be compared to contemporary culture and its social, political, and cultural framework.

123
MUS 132
History of Rock and Roll
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is a survey course designed for the student who seeks an introduction to Rock and Roll. The course will focus on rock and roll music, its origins and its many sub-styles. The social, political and economic influence the music has had on society and other types of music will also be examined.

MUS 133
Music Appreciation
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is a survey of musical practices from various periods of music history with an emphasis on social, political and commercial contexts. Types of music to be covered will include Classical, Jazz, Rock, Blues and World Music. This course is targeted for students seeking to fulfill the general education requirement in the arts.

MUS 138
Masterworks Chorale
2 Units
Prerequisite: Audition
Advisory: ENGL 030 or ENLA 034 or appropriate assessment
Transfers to: UC, CSU
This advanced level course is designed for students who seek to broaden their understanding of choral literature by performing difficult choral works such as the B minor Mass by Bach, Elijah by Mendelssohn, or Messiah by Handel accompanied by orchestra or other instrumental ensemble. Attention is given to the refinement and polishing of technique through rehearsal and performance of choral music from various musical periods and styles. Public Performance is required. Enrollment criteria requires an audition.
**Advanced Vocal Ensemble I**
2 Units
Prerequisite: MUS 220 with a grade of "C" or better
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment

Transfers to: UC, CSU
This course is designed for the more advanced vocal student who seeks an opportunity to perform in a vocal ensemble. The repertoire will include a diversity of approaches that might include Latin, Asian, popular, contemporary, and classical music.

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**MUS 140**
**Beginning Voice**
1 Unit
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for students who wish to learn the vocal techniques used in signing Opera, Pop, Folk, Rock and Jazz. Emphasis is placed upon selection of material dependent upon the abilities of the student. No previous musical experience is necessary.

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**MUS 142**
**Intermediate Voice**
1 Unit
Prerequisite: MUS 140 with a "C" or better
Advisory: READ 022 or appropriate assessment
Transfers to: UC, CSU
This course is designed for students who wish to further develop the techniques acquired in Beginning Voice. A comprehensive study of style and artistic interpretation will be included.

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**MUS 145**
**Beginning Piano I**
1.5 Units
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This class is for the student interested in beginning piano skills, and in the understanding of music through the study of simple piano pieces. The development of skills at the beginning level may be used in the playing of various styles including Classical, Pop, Jazz and Rock. Individual pieces are performed in class. No previous experience is necessary.

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<td>1000 - 1125</td>
<td>Jannine Livingston</td>
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MUS 146
Beginning Piano II
1.5 Units
Advisory: READ 023 or appropriate assessment
Prerequisite: MUS 145 with a “C” or better

Transfers to: UC, CSU
This class is for the student interested in beginning piano skills, and in the understanding of music through the study of simple piano pieces. The development of skills at the beginning level may be used in the playing of various styles including Classical, Pop, Jazz and Rock. Individual pieces are performed in class. This course is a continuation of materials learned in Beginning Piano I.

30680 CLAS 2/2/15 - 5/30/15 T 1600 - 1655 Jannine Livingston M111
LAB 2/2/15 - 5/30/15 T 1700 - 1825 Jannine Livingston M111
30688 CLAS 2/2/15 - 5/30/15 F 0900 - 0955 Jannine Livingston M111
LAB 2/2/15 - 5/30/15 F 1000 - 1125 Jannine Livingston M111

MUS 147
Intermediate Piano I
1.5 Units
Advisory: READ 023 or appropriate assessment
Prerequisite: MUS 146 with a “C” or better
Transfers to: UC, CSU
This course is designed for students seeking to broaden their knowledge and understanding of piano literature. Varied works of intermediate difficulty will be introduced. Attention is given to the refinement and polishing of technique through scales, arpeggios, sight-reading, interpretation and tone production.

30693 CLAS 2/2/15 - 5/30/15 T 1600 - 1655 Jannine Livingston M111
LAB 2/2/15 - 5/30/15 T 1700 - 1825 Jannine Livingston M111
30699 CLAS 2/2/15 - 5/30/15 F 0900 - 0955 Jannine Livingston M111
LAB 2/2/15 - 5/30/15 F 1000 - 1125 Jannine Livingston M111

MUS 148
Intermediate Piano II
1.5 Units
Advisory: READ 023 or appropriate assessment
Prerequisite: MUS 147 with a “C” or better
Transfers to: UC, CSU
This course is designed for students seeking to broaden their knowledge and understanding of piano literature. More advanced solo literature of intermediate difficulty will be introduced. Emphasis is placed on the technical and interpretive demands required to perform a varied repertoire.

30706 CLAS 2/2/15 - 5/30/15 T 1600 - 1655 Jannine Livingston M111
LAB 2/2/15 - 5/30/15 T 1700 - 1825 Jannine Livingston M111
31676 CLAS 2/2/15 - 5/30/15 F 0900 - 0955 Jannine Livingston M111
LAB 2/2/15 - 5/30/15 F 1000 - 1125 Jannine Livingston M111

MUS 150
Beginning Guitar
1.5 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for the student interested in beginning guitar skills and in the understanding of music through the study of simple guitar pieces. The development of skills at the beginning level may be used in the playing of various styles including Classical, Pop, Jazz, Rock and Blues. No previous musical experience is necessary.
MUS 151  
**Intermediate Guitar**  
1.5 Units  
Prerequisite: MUS 150  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This intermediate level course is designed for students who seek to broaden their understanding of guitar literature by performing moderately difficult works. Attention is given to the refinement and polishing of technique through scales, arpeggios, sight-reading, interpretation and tone production.

MUS 156  
**Intermediate Musicianship I**  
3 Units  
Prerequisite: MUS 107  
Transfers to: UC, CSU  
This course is designed for the student who wants to further develop aural skills, sight-reading, sight-singing and rhythmic interpretation skills beyond the beginning level. It is recommended for all instrumentalists, singers and composers.

MUS 157  
**Intermediate Musicianship II**  
3 Units  
Prerequisite: MUS 156  
Transfers to: UC, CSU  
This course is designed for the student who wants to further develop aural skills, sight-reading, sight-singing and rhythmic interpretation skills beyond the introductory intermediate level. It is recommended for all instrumentalists, singers and composers.

MUS 158  
**Masterworks Chorale II**  
2 Units  
Prerequisite: MUS 138 and Audition  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This advanced level course is designed for students who seek in-depth study of choral literature by performing complex choral works such as Beethoven's Mass in C, Orff’s Carmina Burana, and Britten's War Requiem accompanied by orchestra or other instrumental ensemble, or sung a cappella. Attention is given to every detail of musical development through rehearsal and performance of choral music from various musical periods and styles. Public performance is required. Enrollment criteria requires successful completion of MUS 138 and an audition.
MUS 165
Electronic Music I
3 Units
Corequisite: MUS 180
Advisory: READ 023 or appropriate assessment
Transfers to: CSU
This course is designed for the student who wants to learn the basic elements involved in electronic music including: fundamental elements of music, keyboard electronics, signal processing, virtual synthesis which may include Sylenth, Crystal, and Gladiator, MIDI, simple computer software which may include Garage Band, and digital recording. Creating electronic compositions will also be covered. Students should take Music 180 concurrently. This course is recommended for all students who intend to pursue music professionally.

30825   CLAS  2/2/15 - 5/30/15  MW  1220 - 1315  Steven Moshier  S302
        LAB  2/2/15 - 5/30/15  MW  1320 - 1445  Steven Moshier  S302

MUS 167
Electronic Music II
3 Units
Prerequisite: MUS 165 with a "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: CSU
This course is designed for the student who wants to continue the study of concepts and techniques needed to compose electronic music and is recommended for students who intend to pursue music professionally. Various types of synthesis including software analog synthesis and virtual analogue synthesis will be studied. Software that will be used in the course may include Reason and Logic Pro. Sequencing, recording via studio software, notating compositions and creating music for dance and theatre on the computer will be the primary focus of the course.

30832   CLAS  2/2/15 - 5/30/15  MW  1220 - 1315  Steven Moshier  S302
        LAB  2/2/15 - 5/30/15  MW  1320 - 1445  Steven Moshier  S302

MUS 168
Electronic Music III
3 Units
Prerequisite: MUS 167
Transfers to: CSU
This course is designed for the advanced electronic music student who wants to continue the study of concepts and techniques needed to compose electronic music and is recommended for students who intend to pursue music professionally. Assignments in the course will include scoring music to stop-time animation and motion picture scenes available on the internet. Advanced notation techniques including full score and individual parts will also be covered.

34496   CLAS  2/2/15 - 5/30/15  MW  1220 - 1315  Steven Moshier  S302
        LAB  2/2/15 - 5/30/15  MW  1320 - 1445  Steven Moshier  S302

MUS 178
Masterworks Chorale III
2 Units
Prerequisite: MUS 158 and Audition
Advisory: ENGL 030 or ENLA 034 or appropriate assessment
Transfers to: UC, CSU
This advanced level course is designed for students who seek in-depth study of choral literature by performing complex choral works such as Bach sacred and secular cantatas, Mozart and Haydn masses, renaissance madrigals and sacred pieces, and contemporary choral works accompanied by orchestra or other instrumental ensemble, or sung accappella. Attention is given to every detail of musical development through rehearsal and performance of choral music. Public performance is required. Students are expected to take on leadership roles as section leaders, mentors to new singers, and committee work for the choral organization. Enrollment criteria requires successful completion of MUS 158 and an audition.

34560   CLAS  2/2/15 - 5/30/15  M  1900 - 2025  Stephen Gothold  Whittier College
MUS 180
Music Laboratory
1 Unit
Corequisite: MUS 165 or 167
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed to provide students enrolled in electronic music courses with supervised study or practice.

MUS 216
Advanced Music Ensemble for Diverse Instruments I
2.5 Units
Prerequisite: MUS 117
Transfers to: UC, CSU
This course is designed for the advanced electric, acoustic instrumental, and vocal students to broaden their abilities to perform in an ensemble. The course content, which will depend upon the instrumental and vocal makeup of the class, will include a diversity of approaches that might include Latin, Asian, Popular and contemporary Classical Music.

MUS 217
Advanced Music Ensemble for Diverse Instruments II
2.5 Units
Prerequisite: MUS 216
Transfers to: UC, CSU
This course is designed for the advanced electric, acoustic instrumental, and vocal students who want to interpret and perform ensemble repertoire at a professional level. The course content, which will depend upon the instrumental and vocal makeup of the class, will include a diversity of approaches that might include Latin, Asian, Popular and contemporary Classical Music.

MUS 220
Vocal Arts Ensemble II
2 Units
Prerequisite: MUS 120
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for the intermediate vocal student who seeks an opportunity to perform in a vocal ensemble. Participation in public performance is required. The repertoire will include a diversity of sections including intermediate level classical choral literature, world music, popular and contemporary music. Successful completion of MUS 120 is required to enroll.

MUS 240
Advanced Voice I
2 Units
Prerequisite: MUS 142 with a grade of "C" or better
Advisory: READ 023 or appropriate assessment

This course is designed for students interested in further developing the interpretive and technical demands inherent in advanced vocal performance. Attention is given to a detailed study and analysis of vocal technique and interpretation. Public performance will be required.

30589  CLAS  2/2/15 - 5/30/15  T  1425 - 1520  Ann Gresham M124
LAB  2/2/15 - 5/30/15  T  1525 - 1650  Ann Gresham M124
30593  CLAS  2/2/15 - 5/30/15  S  0900 - 1025  Ann Gresham M124
LAB  2/2/15 - 5/30/15  S  1030 - 1155  Ann Gresham M124

MUS 245
Advanced Piano
2 Units
Prerequisite: MUS 148 with a grade of "C" or better
Transfers to: UC, CSU

This course is designed for the student interested in further developing the interpretive and technical demands inherent in advanced piano literature. Attention is given to a detailed study and analysis of various musical periods and styles.

30771  CLAS  2/2/15 - 5/30/15  T  1600 - 1725  Jannine Livingston M111
LAB  2/2/15 - 5/30/15  T  1730 - 1855  Jannine Livingston M111

MUS 251
Advanced Guitar I
2 Units
Prerequisite: MUS 151 with a grade of "C" or better
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU

This advanced level course is designed for students who seek to broaden their understanding of guitar literature by performing difficult works. Attention is given to the refinement and polishing of technique through scales, arpeggios, sight-reading, interpretation, and tonal production, as well as analysis of various musical periods and styles.

30818  CLAS  2/2/15 - 5/30/15  R  1600 - 1725  Frank Accardo M109
LAB  2/2/15 - 5/30/15  R  1730 - 1855  Frank Accardo M109

MUS 252
Advanced Guitar II
2 Units
Prerequisite: MUS 251
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU

This advanced level course is designed for students who wish to improve their technique and skills by performing more difficult works. It is essentially a continuation of MUS 251, Advanced Guitar I. The scales, chord progressions, pieces and etudes assigned will be selected to advance the student’s technique, and repertoire from various periods and styles.

34498  CLAS  2/2/15 - 5/30/15  R  1600 - 1725  Frank Accardo M109
LAB  2/2/15 - 5/30/15  R  1730 - 1855  Frank Accardo M109

NBAS 009
College Refresher Basic Skills/Individual Study
Courses for individual study in basic reading, writing and mathematics. Areas covered can include any basic skill that needs to be improved for college learning and/or career and personal growth.

**NBAS 010**
**College Refresher Math/Individual Study**
0 Units
Courses for individual study in basic mathematics. Areas to be covered can include whole numbers, fractions, decimals, percent, measurement, applications in consumer math, and other topics determined by individual student need.

**NCHS 001**
**Health and Fitness**
0 Units
This is an open-entry, open-exit course to develop and enhance a student's knowledge of the importance of healthy lifestyles and to further develop skills which will facilitate a personal fitness program. Student's will also participate in specific activities that develop an individual's level of physical fitness.

**NCOA 001**
**Painting for Older Adults**
0 Units
This course offers the older adult an individual approach to painting and creative arts. Topics can include art appreciation and art history; awareness of line, color, shape and form; techniques in drawing and progression through color mixing and canvas painting. Creativity and general art knowledge will be taught in a friendly and relaxed environment allowing each artist to work at their own pace.

**NCOA 007**
**Chorus Singing for the Older Adult**
0 Units
This course introduces older adult students to a variety of choral music and explores its cultural and historical aspects. Students will gain knowledge of posture, vowel modification, elements of phrasing and harmony. Students will perform vocal exercises and practice breathing techniques appropriate for the older adult.

**NCOA 008**
**Computers Unlimited for Older Adults**
0 Units
This course is designed for the older adult who thinks he or she will never learn to use a computer. Students will build basic skills that will prepare them to write documents, send e-mail, use online banking or simply enjoy surfing the Internet. Mastery of the basic skills will let you grow from simple accomplishments to things you never dreamed possible. Our gentle, easy approach will show you the many ways that computers can be fun and interesting.
NCOA 010
Hatha Yoga for Older Adults
0 Units
This class uses active and passive movements which are adapted for older adults. Movements include stretching, relaxation, and breathing exercises. Students will learn repetitive skill building, weight bearing poses and become familiar with working together in rhythm.

30594 CLAS 2/2/15 - 5/30/15 M 1145 - 1245 Trissia Bau ghman La Mirada Activity Center
30597 CLAS 2/2/15 - 5/30/15 M 0900 - 1000 Trissia Baug hman Adventure Park
30601 CLAS 2/2/15 - 5/30/15 T 1300 - 1400 Trissia Baug hman Santa Fe Neighborhood Center

NCOA 012
Physical Fitness for the Older Adult
0 Units
This physical fitness class is designed for the older adult and offers instruction in movement to maintain and increase range of motion, build muscle strength, maintain coordination, flexibility and balance. Class topics include discussions on nutrition, the effects of aging, safety factors and memory skills.

32775 CLAS 2/2/15 - 5/30/15 TR 0930 - 1045 Patricia Usary Posada Retirement Community
32777 CLAS 2/2/15 - 5/30/15 R 0900 - 1030 Trissia Baughman Sorensen Park
32779 CLAS 2/2/15 - 5/30/15 T 1630 - 1730 Trissia Baughman Whittier Mobile Country Club

NESL 035
ESL Multi-Level
0 Units
This course focuses on preparing students to use English to achieve tasks within a variety of real-life situations such as a doctor’s office or a department store. Students are instructed to be able to listen, speak, read, and write in English in context-specific environments.

30051 CLAS 2/2/15 - 5/30/15 MW 1800 - 2030 Susan Ikeda Mayberry Park
30137 CLAS 2/2/15 - 5/30/15 TR 1800 - 2030 Leticia Garcia Pioneer High School
30164 CLAS 2/2/15 - 5/30/15 MW 0900 - 1130 Eugene Olea Community Resource Center
30172 CLAS 2/2/15 - 5/30/15 MW 0900 - 1130 Bahareh Alaei Mulberry Elementary School
30187 CLAS 2/2/15 - 5/30/15 TR 0930 - 1145 Michele Rainis Twin Lakes School
30318 CLAS 2/2/15 - 5/30/15 TR 1200 - 1415 Michele Rainis Payne Elementary School
31683 CLAS 2/2/15 - 5/30/15 TR 1630 - 1815 Michele Rainis Cogswell School
34515 CLAS 2/2/15 - 5/30/15 MW 0900 - 1145 Antoinette Fiero El Rancho Education Center
34516 CLAS 2/2/15 - 5/30/15 TR 0900 - 1145 Eugene Olea El Rancho Education Center
34517 CLAS 2/2/15 - 5/30/15 MW 1230 - 1515 Bahareh Alaei El Rancho Education Center

NVOC 005
Theatre Production Workshop
0 Units
This course will introduce students to all aspects of preparing for and presenting a full theater production. Topics covered will include technical set-up of the stage, the dress rehearsal, pre-show preparation, techniques for striking the set and the special needs of a traveling show.

33610 CLAS 2/2/15 - 5/30/15 M 1900 - 2005 William Korf CI000
NVOC 018  
ACEDD-GIS Skills Development  
0 Units  
This course complements the CIV, ARCH, ENGT, LAND and GIS lab and lecture courses and is designed to provide an additional opportunity for students to practice concepts covered in the corequisite courses and enhance their board drafting and CADD skills for workplace productivity. These instructional activities are not available in the regular lecture/lab course and are not required for the grade in the corequisite course.

NVOC 140  
Civil Drafting Fundamentals  
0 Units  
This course is for all students interested in the career field of Civil Design Drafting and Civil Engineering. The course is study of civil design drafting practices and the preparation of drawings used in the civil engineering field.

Students will use Computer Aided Drafting (CADD) software to complete projects relating to interpretation of survey data, profiles and cross sections, land subdivision, site and grading plans, underground utilities and structures, concrete and structural detailing.

NVOC 150  
AutoCAD for Basic CADD Applications  
0 Units  
This course is for students preparing for high technology careers who need the skills necessary to function as an entry level CADD operator or to apply CADD to specific disciplines of mechanical and architectural design, manufacturing, illustration and engineering related documents. An overview of computer graphics and CADD (Computer Assisted Design and Drawing) utilizing the latest release of AutoCAD software will be provided. Students will produce 2D orthographic, isometric, and basic 3D models solutions of mechanical and architectural applications.

NVOC 170  
MicroStation for Basic CADD Applications  
0 Units  
This course is for students preparing for high technology careers who need the skills necessary to function as an entry level CADD operator or to apply CADD to specific disciplines of mechanical and architectural design, manufacturing, illustration and engineering related documents. An overview of computer graphics and CADD (Computer Assisted Design and Drawing) utilizing the latest release of MicroStation software will be provided. Students will produce 2D orthographic, isometric, and basic 3D models solutions of mechanical and architectural applications.
NVOC 200
Intermediate AutoCAD for Design and Production
0 Units
This course is for students pursuing degrees or certificates in the Architecture and Engineering Design Drafting Program and for those who wish to enhance their AutoCAD skills for workplace productivity. The course is an intermediate application study in computer aided design, drafting, and graphics using the latest revisions of AutoCAD. Combined with previously learned technical drafting conventions and basic AutoCAD operational skills, students will use AutoCAD to produce detailed drawings that involve model-space and paper-space, 2D and 3D objects, block attributes and viewport scales. Emphasis will be placed on working with multiple drawing files using external files to create mechanical, architectural and civil projects.

34439 CLAS 2/2/15 - 5/30/15 TR 0815 - 0925 Joseph Sunyogh S307
LAB 2/2/15 - 5/30/15 TR 0935 - 1100 Joseph Sunyogh S307

NVOC 241
Civil Engineering Drafting & Design
0 Units
This course is for all students interested in the career field of Civil Design Drafting and Civil Engineering. Civil Drafting and Design is an intermediate level class in which the practices and the preparation of drawings, pertaining to the civil engineering field, will be expanded to include the development of maps and drawings used for transportation, site development, grading and drainage and road alignment. The student will use Computer Aided Drafting (CADD) to complete the above mentioned projects. Other topics to be covered will include specifications, site details for utilities and underground piping, structural plans and integration of Geographic Information Systems (GIS).

34109 CLAS 2/2/15 - 5/30/15 TR 1430 - 1530 To Be Assigned S304
LAB 2/2/15 - 5/30/15 TR 1540 - 1735 To Be Assigned S304

NVOC 245
Civil Engineering Design & Modeling
0 Units
This course is for all students interested in the career field of Civil Design Drafting and Civil Engineering. Civil Design & Modeling is an advanced level class which includes design analysis and the preparation of drawings used in the civil engineering field. The student will use civil engineering software, such as In-Roads and Land Desktop to design, analyze and develop projects relating to transportation, site development, grading, drainage and road alignment and alternatives. Other topics to be covered are terrain modeling, surface editing, alignment editing, plan, profile, cross-sections, earthwork computations and site planning design.

34110 CLAS 2/2/15 - 5/30/15 TR 1900 - 2025 To Be Assigned S305
LAB 2/2/15 - 5/30/15 TR 2000 - 2155 To Be Assigned S305

NVOC 250
Parametric Modeling 3D Applications for Mechanical Design
0 Units
This course presents advanced applications of 2D and 3D Computer Aided Design Drafting (CADD) and an introduction to parametric modeling and rapid prototyping utilizing the latest releases of Autodesk Inventor series, SolidWorks, and other parametric modeling software to produce solutions for mechanical applications. Topics covered will benefit all students in areas of study related to Engineering, Drafting, Design and Computer Graphics. Course emphasis is given to CADD generated three dimensional graphics using wire frame, surface modeling, and parametric solids. This course may be taken once for credit towards the major and repeated 2 times to enhance student skills and proficiency levels.

33462 CLAS 2/2/15 - 5/30/15 MW 1900 - 2025 To Be Assigned S307
LAB 2/2/15 - 5/30/15 MW 2035 - 2200 To Be Assigned S307

NVOC 260
Advanced Architecture Using Revit and 3D Software
0 Units
This course is for students pursuing an advanced study of BIM (Building Information Modeling) applications as they relate to architecture and the AEC industry (Architecture, Engineering, Construction). Utilizing the latest releases of 3D design software such as Revit and AutoCAD Architecture and previously learned technical and architectural drafting conventions, students will produce two and three dimensional BIM generated architectural drawings and 3D virtual models. This course benefits all students studying Architecture, Civil, Engineering of all types, Drafting, Design and Computer Graphics. High technology skills which are necessary to function as a designer or CADD Drafter are emphasized.

NVOC 265
Pressure Piping Design
0 Units
This course is for those students with CAD experience who are interested in the career field of pressure piping design engineering. This course presents the preparation of engineering detail drawings of piping systems for commercial, utilities and industrial plants. Included is information and work dealing with the location, installation, operation, and maintenance of pumps, steam turbines, compressors, tanks, heaters, coolers, cooling towers, condenser, reactors, boilers, chillers, heat exchangers and special equipment.

NVOC 280
Advanced MicroStation for CADD & BIM Applications
0 Units
This course is for students pursuing an advanced study in MicroStation 3D parametric CADD (Computer Assisted Design and Drafting) and the BIM (Building Information Modeling) approach to building design using Bentley Architecture. Students will apply previously learned drafting conventions to produce two and three dimensional CADD and BIM generated mechanical and architectural drawings and virtual design models. This course benefits all students studying Architecture, Civil, Engineering of all types, Drafting, Design and Computer Graphics. High technology skills which are necessary to function as a designer or CADD Drafter are emphasized.

PHIL 101
Introduction to Philosophy
3 Units
Advisory: ENGL 101 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course introduces philosophical ideas and methods concerning knowledge, reality and values. Expected topics will include the sources and limits of knowledge, and the nature of reality. Other topics that may be examined from a philosophical perspective include the nature of the self, truth, ethics, religion, science, language, beauty and art, political theory, or mind. This course is appropriate for anyone seeking a broader program of philosophical study, or to fulfill general Humanities or Philosophy major requirements.
PHIL 110
Critical Thinking
3 Units
Prerequisite: ENGL 101 or appropriate assessment
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is an introduction to the methods and techniques of informal reasoning. Topics include schematizing and articulating arguments, causal arguments, analogical arguments, testimony arguments, informal fallacies, and others. Emphasis on the application of critical thinking for effective writing will be reflected in the frequency, scope, and nature of course writing assignments, which will be evaluated with regard to both content and form. Students should expect to write approximately 8000 words in various writing assignments. This course is appropriate for students seeking to improve their writing and reasoning skills.

PHIL 112
Introduction to Logic
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment; MATH 030 or MATH 030D or appropriate assessment
Transfers to: UC, CSU
This course introduces the formal methods and principles of deductive logic. Topics include translation between natural and formal language, syllogistic logic, and propositional logic. This course is especially recommended for students of mathematics, business, computer science, science, engineering, law, and humanities.

PHIL 120
Introduction to Ethics
3 Units
Advisory: ENGL 101 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This introductory level course is for students interested in the humanities, law, medicine, politics, social science and related fields, and will expose them to some of the most profound moral and ethical questions in the Western philosophical tradition. We will examine the concept of morality and values, representative ethical theories, and may include their applications to moral problems.

PHIL 140
Philosophy of Religion
3 Units
Advisory: ENGL 101 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This introductory level course is intended for all students seeking a thoughtful exploration of religious issues in a non-sectarian context, or as part of a broader program of philosophical study. We will address Western religion from a philosophical perspective, including arguments for and against the existence of God, and an investigation into the status of religious beliefs. Additional topics may include a consideration of the evolution-creationism debate, and a discussion of religious pluralism.

PHOTO 185
Introduction to Digital Photography
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This introductory course covers basic technical and conceptual skills in digital photography, including digital camera use, principles of photographic composition, digital image editing, and digital printing. This course is designed for non-photography majors interested in gaining experience with digital photography. Students are required to supply their own digital camera.

PHOTO 190
Beginning Photography
3 Units
Advisory: READ 023 or appropriate assessment; ART 120
Transfers to: UC, CSU
This course is designed for students who wish to study the basic technical and conceptual approaches to contemporary photography. Traditional black and white photography techniques are explored, with special emphasis on the basic use of the 35 mm camera and enlarger as well as the processing of black and white film and printing paper. Students are required to provide their own 35 mm camera with manual controls.

PHOTO 191
Intermediate Photography
3 Units
Prerequisite: PHOTO 190
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for students who have successfully completed beginning photography and wish to study more advanced technical and conceptual approaches to contemporary black and white photography in
a, 35mm film based, wet lab environment. Techniques such as the use of studio lighting, light meters, toners, hand coloring, and solarization are explored, with special emphasis given to understanding the conceptual framework for the production and analysis of both personal and commercial photographic imagery. Students are required to provide their own 35mm camera with manual controls.

31036 LAB 2/2/15 - 5/30/15 MW 0900 - 1105 Chris Acuna-Hansen B017
31050 CLAS 2/2/15 - 5/30/15 MW 1130 - 1225 Chris Acuna-Hansen B017
LAB 2/2/15 - 5/30/15 MW 1230 - 1435 Chris Acuna-Hansen B017
31059 CLAS 2/2/15 - 5/30/15 TR 1130 - 1225 Lisa Talbot B017
LAB 2/2/15 - 5/30/15 TR 1230 - 1435 Lisa Talbot B017
32657 CLAS 2/2/15 - 5/30/15 TR 1900 - 1955 Misty Cervantes B017
LAB 2/2/15 - 5/30/15 TR 2000 - 2205 Misty Cervantes B017

PHOTO 290
Medium and Large Format Photography
2 Units
Prerequisite: PHOTO 190
Advisory: READ 023 or appropriate assessment
Transfers to: CSU
This course is designed for students who have successfully completed beginning photography and wish to study more advanced technical and conceptual approaches to contemporary black and white photography using medium and large format films and cameras in a traditional wet lab environment. Special emphasis is given to the understanding and analysis of photographic imagery.

31065 CLAS 2/2/15 - 5/30/15 T 0800 - 0855 Chris Acuna-Hansen B017
LAB 2/2/15 - 5/30/15 TR 0900 - 1025 Chris Acuna-Hansen B017

PHOTO 292
Digital Photography
3 Units
Prerequisite: PHOTO 185 or PHOTO 190
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed for students who have successfully completed PHOTO 190 and have a working knowledge of basic camera controls and photographic composition. It will cover use of digital cameras, image editing and manipulation, digital printing, and the expression of ideas through digital photographs. Students are required to supply their own digital camera.

31076 CLAS 2/2/15 - 5/30/15 TR 1130 - 1225 Chris Acuna-Hansen B017
LAB 2/2/15 - 5/30/15 TR 1230 - 1435 Chris Acuna-Hansen B017

PHY 160
General Physics - II
4 Units
Prerequisite: PHY 150 with a grade of "C" or better
Transfers to: UC (credit limit *), CSU (*Students will receive credit from UC for one physics series: PHY 150 and PHY 160 or PHY 211, PHY 212, and PHY 213)
This course is the second of a two-semester sequence and is designed for students transferring to a four-year institution with majors in health professional fields such as medicine, dentistry, veterinary science, pharmacy, and optometry as well as those students in engineering technology and architecture. Students majoring in the biological sciences should consult a counselor as to whether this course satisfies the general preparation requirements for the major at the university. Topics include thermodynamics, electricity and magnetism, oscillations, waves, optics and quantum physics.

30463 CLAS 2/2/15 - 5/30/15 MW 1430 - 1555 Gregory Miller S221
LAB 2/2/15 - 5/30/15 MW 1300 - 1425 To Be Assigned S224
PHY 211
Physics for Scientists and Engineers - I
4 Units
Prerequisite/Corequisite: MATH 190 or MATH 190H
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit *), CSU (*Students will receive credit from UC for one physics series: PHY 150 and PHY 160 or PHY 211, PHY 212, and PHY 213)

This course is the first of a three-semester sequence and is designed for students transferring to a four-year institution with majors in the sciences and engineering. Topics covered are kinematics, dynamics, energy, work, momentum, and conservation principles.

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PHY 212
Physics for Scientists and Engineers - II
4 Units
Prerequisite: PHY 211 with a grade of "C" or better
Corequisite/Corequisite: MATH 191
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit *), CSU (*Students will receive credit from UC for one physics series: PHY 150 and 160 or PHY 211, PHY 212, and PHY 213)

This course is the second of a three-semester sequence and is designed for students transferring to a four-year institution with majors in the sciences and engineering. Topics covered include quantum physics, physical optics, and thermodynamics.

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PHY 213
Physics for Scientists and Engineers - III
4 Units
Prerequisite: PHY 212 with a grade of "C" or better
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit *), CSU (*Students will receive credit from UC for one physics series: PHY 150 and 160 or PHY 211, PHY 212, and PHY 213)

This course is the third of a three-semester sequence and is designed for students transferring to a four-year institution with majors in the sciences and engineering. Topics covered are electric fields, electric potential, current, circuits, magnetic fields, Gauss' law, Ampere's law, Maxwell's equations, induction, and electromagnetic waves.

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POLS 110
Government of the United States
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: POLS 110 or POLS 110H)

This course surveys and analyzes the origins, principles, institutions, policies, and politics of U.S. National and California State Governments, including their constitutions. Emphasis is placed on the rights and responsibilities of citizens, and an understanding of the political processes and issues involved in the workings of government. This course fulfills the American Institutions requirement for the Associate Degree. It also is suitable for students wishing to expand their knowledge of local, state and national governments.

POLS 125

Law and Democracy

3 Units

Prerequisite: POLS 110 or POLS 110H, or a score of 3 or above on the Advanced Placement American Government examination

Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment

Transfers to: CSU

This course provides an examination and analysis of practical law as it affects people in daily life as citizens in a democracy. It assists in the development of skills to successfully navigate legal systems and in understanding democratic political values. Emphasis is placed on constitutional rights and civil liberties, police encounters and criminal law, local government and advocacy, small claims and traffic courts, landlord/tenant relations, family law, consumer rights, contracts, employment and immigration. Further emphasis is placed on application, critical thinking and problem solving in common legal situations. This course is designed for any student wishing to learn more about the law and its interaction with democratic government and those
students wishing to attend law school. It is also a requirement for any student seeking to complete the Community College Pathway to Law School Initiative.

**POLS 140**  
**International Relations**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU

This course examines the structure and operation of the international system. Emphasis is placed on the nature and sources of conflict and cooperation, issues of war and peace among states in the international system, and international economic development. The impact of nation-states, international organizations, and non-governmental actors are all examined. This course is suitable for students who wish to expand their knowledge of international politics and for those who wish to major in political science or international relations.

**POLS 290**  
**Cooperative Work Experience/Internship for Political Science Related Fields**  
1 Unit  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course supports and reinforces on-the-job training in governmental positions under supervision of a college instructor and is facilitated by the use of learning objectives. The student will be working in a skilled or professional level assignment in an area of local, county, state, or federal government and will meet performance objectives related to instruction that are above and beyond the conditions of regular employment. This course is intended for students whose intended job is related to the field of government and have completed or enrolled in the appropriate coursework. "Contact the CWE office regarding re-enrollment procedures".

**Student Unpaid Internship:**
- 1 Unit/60 hours; 2 Units/120 hours;  
- 3 Units/180 hours; 4 Units/240 hours

**Student Paid Internship:**
- 1 Unit/75 hours; 2 Units/150 hours;  
- 3 Units/225 hours; 4 Units/300 hours.

**PSY 101**  
**Introductory Psychology**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: PSY 101 or PSY 101H)  
This course is designed as a general introduction to psychology for psychology majors, those with an interest in psychology, or anyone with a desire to further their understanding of human behavior. It provides an overview of the field of psychology, introducing students to the research methods used to advance the science of psychology and the various areas that comprise this diverse discipline. Research and theories are presented, discussed, and evaluated. Topics covered include biological psychology, sensation and perception, lifespan development, learning, memory, motivation and emotion, cognition, personality, psychopathology and social psychology.
PSY 112
Lifespan Development
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: PSY 112 or CD 106)
This course provides an overview of human psychological development across the lifespan. It addresses the physical, cognitive, social, and emotional changes that occur from the prenatal period through death. It explores the development issues of stability vs. change, continuity vs. discontinuity, and nature vs. nurture, and examines the perspectives of major developmental theorists, including Freud, Erickson, and Piaget. It explores current research findings and their applicability to ongoing developmental problems. This course is appropriate for the student seeking to develop a better understanding of the development gains and losses that occur throughout our lives.

PSY 114
Introduction to Abnormal Psychology
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course provides an introduction to the study of abnormal behavior for psychology majors, those with an interest in abnormal psychology, or anyone with a desire to further their understanding of abnormality. The classification, assessment and treatment of psychological disorders will be explored. Students will not only develop an understanding of the etiology and diagnosis of such disorders, as based upon DSM-IV-TR criteria, but develop an appreciation of the cultural, historical and theoretical influences that affect the definitions and treatment of abnormal behavior.
**PSY 123**  
**Drug Education and Prevention**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course is designed for students interested in furthering their understanding of substance dependence and those interested in working with populations recovering from or at risk for such problems. It addresses the history, theories, models, and approaches to substance abuse education and prevention. In addition to an academic look at drug abuse, students will also explore and examine their own values and beliefs about substance use and misuse. The impact of public policy, the media, and drug education programs on drug use will all be considered.  

30148 CLAS 2/2/15 - 5/30/15  T 1900 - 2210 Debra Kaiser A228

**PSY 127**  
**Introduction to the Physiological Effects of Drugs of Abuse**  
3 Units  
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: CSU  
This course is designed for students interested in furthering their understanding of psychoactive drugs and those interested in working with populations recovering from or at risk for drug problems. It provides an examination of the pharmacological actions of drugs of abuse and how this relates to the physiological, as well as the behavioral, effects of such drugs. The properties of drugs that increase the likelihood of the development of dependence will be emphasized.  

33495 CLAS 2/2/15 - 5/30/15 TR 1425 - 1550 Debra Kaiser EM104

**PSY 190**  
**Statistics for the Behavioral Sciences**  
4 Units  
Prerequisite: MATH 070 or MATH 070D with a grade of "C" or better or appropriate assessment  
Advisory: ENGL 101 and READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This course provides an overview of the types of statistics that are important in the behavioral sciences. The main focus of this course is on hypothesis testing and the statistics that are used to analyze it. Students will learn to present and interpret experimental data from the behavioral sciences. Topics covered include basic probability, measures of central tendency, measures of variance, sampling, and inferential statistics. This course is designed for students majoring in psychology, sociology, political science, and anthropology.  

33496 CLAS 2/2/15 - 5/30/15 TR 0900 - 1105 Kevin Smith A228

**PSY 200**  
**Research Methods in Psychology**  
3 Units  
Prerequisite: PSY 101  
Prerequisite/Corequisite: MATH 130 or PSY 190Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This course provides an introduction to the philosophy of science and the examination of the hypothetrical deductive methods and their relationship to theory. Topics include: the nature of experimental research and design, experimental and non-experimental research- including group and single-subject designs, literature review, research ethics, collection and analysis of data, and writing APA-style reports. Collection, handling, and analysis of original empirical data, during class and outside of class, in both experimental and nonexperimental designs, are an integral component of the course. The course is designed for students intending to pursue a degree in psychology.  

30000 CLAS 2/2/15 - 5/30/15 R 1650 - 1855 Vernon Padgett L502  
LAB 2/2/15 - 5/30/15 R 1900 - 2210 Vernon Padgett L502
PSY 210
Biological Psychology
3 Units
Prerequisite: PSY 101
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: PSY 210 or PSY 210H)
This course is designed for the student who has an interest in understanding the biological processes that underlie human behavior. The biological basis of normal and abnormal behavior, including sensory systems, brain and behavior relationships, and underlying neurochemical processes will be addressed. The extent to which biological processes interact with environmental influences to determine behavior will be explored.

RDIO 136
Radio Production
4 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is intended as an introduction for students wanting to learn the production and management techniques in radio broadcasting. Students will be shown basic techniques for writing and producing the commercial and public service type announcements. Students will be shown through lecture, demonstration, and taped examples the proper announcing and on-air presentation techniques. Students will make demonstration tapes and air checks of examples of their work for submission to the instructor and the class for evaluation. Selected students will have an opportunity to air their programs over the campus radio station KRHC.

RDIO 236
Advanced Radio Production
4 Units
Prerequisite: RDIO 136 with a grade of "C" or better
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is intended as an advanced study for students wanting to learn production and management techniques utilized in radio broadcasting. Students will be shown proper announcing and on-air presentation techniques through lecture, demonstration, and taped examples. Students will have an opportunity to air their programs over the campus Internet radio station KRHC.

RDIO 299
Directed Study: Radio
1 Unit
Transfers to: UC, CSU
Independent Study/Directed Study is intended for students who have the ability to assume responsibility for independent work and to prepare written or oral reports and/or appropriate projects. To enroll in an independent study/directed study course, students must possess a 2.5 overall grade point average, a 3.0 grade point average in the discipline of study being requested, or receive an exception from the instructor. Independent Studies/Directed Studies may be developed from any topic arising from or related to a course of study that will result in developing depth and breadth in that subject area. Students will be expected to meet
on a regular basis with their faculty sponsor and submit a final report or project, and student progress shall be evaluated at regular intervals. Academic standards for Independent Studies/Directed Studies shall be the same as those for other courses. Units are awarded in accordance to Title V regulations with one unit of credit awarded for 54 hours of Directed Studies, six (6) hours of which must be with an instructor. The instructor is responsible for monitoring student progress through the semester. Students may take directed study courses for a maximum of four (4) units within a discipline, and may not accumulate more than a total of twelve (12) units college wide.

READ 021
Basic Reading
3 Units
Prerequisite: Appropriate placement through the Rio Hondo Assessment process
Corequisite: READ 021L
This course is designed for students who want to improve their reading skills in order to succeed in other college classes. Students will learn how to read and understand short works of fiction and nonfiction as well as key vocabulary words associated with college and everyday life through context clues, word parts, and dictionary usage. Students will also learn to recognize transitions, main ideas and supporting details. This is a non-degree applicable course and is offered on a pass/no pass basis. All students are required to concurrently enroll in the Reading Lab, READ 021L.

READ 021L
Reading Lab
0.5 Units
Prerequisite: Appropriate placement through the Rio Hondo Assessment process
Corequisite: READ 021
This course is a skills class designed to assist students in improving reading comprehension and vocabulary through individually prescribed lab work. Students will complete reading tasks intended to complement the activities of their reading course. All READ 021 students must enroll. This is a non-degree applicable course offered on a pass/no pass basis.

READ 022
Intermediate Reading Skills
3 Units
Prerequisite: Successful completion of READ 021 with a "P" or appropriate placement through the Rio Hondo assessment process
Corequisite: READ 022L
This course is designed for students who want to improve their reading skills in order to succeed in other college classes. Students will develop comprehension and vocabulary through the reading of material drawn from popular works, textbooks, magazines, and newspapers. Areas addressed include determining main ideas, recognizing supporting details, identifying author's organization, and making inferences. This is a non-degree credit course and is offered on a pass/no pass basis. All students are required to concurrently enroll in READ 022L.
READ 022L
Reading Lab
0.5 Units
Prerequisite: Successful completion of READ 021 with a "P" or appropriate placement through the Rio Hondo assessment process
Corequisite: READ 022
This course is a skills class intended to assist students in improving reading comprehension and vocabulary through individually prescribed lab work. Students will complete reading tasks designed to complement the activities of their reading course. All READ 022 students must enroll. This is a non-degree applicable course offered on a pass / no pass basis.

READ 023
Reading College Textbooks
3 Units
Prerequisite: READ 022 or appropriate assessment
This is a course designed for students who need to improve their reading competencies in order to succeed in other college classes. Areas of emphasis will include reading strategies essential in such academic areas as social sciences, science, technology, business and humanities. The course also introduces academic vocabulary. This is a non-degree credit course and is offered on a pass / no-pass basis.

READ 101
Critical Reading
3 Units
Prerequisite: READ 023 or appropriate assessment
Advisory: ENGL 035 or ENLA 100 or appropriate assessment
Transfers to: CSU
This course is designed to aid students in acquiring critical reading and thinking skills across the disciplines. Emphasis is placed on the ability to analyze and evaluate material by establishing thesis and support as well as by analyzing elements of argumentation. The course also focuses on vocabulary and the effects of language on the reader.
READ 134
Effective Study Methods
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is designed for students who want to acquire study strategies for college success and lifelong learning. The class topics include student motivation techniques, time management methods, book marking approaches, memory processes, lecture note-taking styles, test preparation procedures, and test-taking strategies. In addition, students will explore more effective class-related communications and creative thinking styles while using college, internet, and community resources. By learning, practicing, and implementing the course theories and strategies, students will succeed in their education, careers, and communities.

SOC 101
Introduction to Sociology
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: SOC 101 or SOC 101H)
This course is designed for those with an interest in Sociology, or anyone with a desire to further their understanding of human group behavior and the organization of society. The student, using several theoretical points of view, will study and analyze: (1) the organization of social life; (2) problems of inequality - of age, sex, race and ethnicity, social class and life style; (3) the basic social institutions: family, religion, and economics; and (4) global issues of technology, social movements and social change.

SOC 101H
Introduction to Sociology Honors
3 Units
Prerequisite: Enrollment is restricted to those who meet Honors Program requirements (minimum GPA of 3.0) and completion of ENGL 101 with a "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: SOC 101 or SOC 101H)
This course is designed for those with an interest in Sociology, or anyone with a desire to further their
understanding of human group behavior and the organization of society. The student, using several theoretical points of view, will study and analyze: (1) the organization of social life; (2) problems of inequality – of age, sex, race and ethnicity, social class and life style; (3) the basic social institutions: family, education, politics, economics, and religion; and (4) global issues of population, technology, social movements and social change. This course is intended for students eligible for the Honors Program.

SOC 102
Major Social Problems
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed to provide students with an understanding of the definition, development, reduction and elimination of major social problems in contemporary society. Topics addressed include problems of mental and physical health including addictions, crime and violence, social inequality, terrorism and war, as well as technology and the environment. Various social theories and relevant empirical research are critically examined throughout the course.

SOC 110
Human Sexuality from a Cross-Cultural Perspective (Same as ANTH 110)
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed to provide the student who has an interest in human sexuality with an introduction to this subject as a form of culturally-influenced social interaction. Topics addressed include historical views of sexuality, gender identity, and the impact of cultural change on sexual interest and activity. A social scientific analysis of various aspects of human sexual behavior will be used to examine sexuality as a form of social interaction in a cultural context. Various social theories and relevant empirical research are critically analyzed from both a Western and non-Western perspective.

SOC 114
Marriage, Family and Intimate Relationships
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for the student interested in examining, from a sociological perspective, issues such as marriage, family, and emerging alternative life styles which constitute the reality of life today. The course explores love, sexuality, mate selection, and engagement preceding traditional marriage and family patterns, extra-marital and non-marital unions, singles, and future trends in intimate relationship styles.

SOC 116
Introduction to Race and Ethnic Relations
3 Units
Advisory: ENGL 035 or ENLA 100 appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for students interested in understanding the complexities of multi-ethnic, multi-racial
societies. This course presents an overview of the structure and character of racial and ethnic relations in the United States and abroad. Students will gain knowledge of the treatment and experiences of a variety of racial and ethnic cohorts and gain insight into the complex social features of inter-group contact.

SOC 127
Introduction to Criminology
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for students interested in the subject of criminology. The scientific analysis of the nature, extent, and causes of violations of societal rules of behavior that are formally defined as crime and delinquency will be emphasized. The course includes an analysis of the development of criminal law and the administration of criminal justice, the patterns of criminality and delinquency, the impact of crime on social change, and the labeling, identification, characteristics, and treatment of criminals and delinquents.

SPAN 101
Spanish I
4 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following sequences of courses: SPAN 101 and SPAN 102 or SPAN 130 and SPAN 131)
This course is an introduction to the essentials of Spanish language: reading, listening, speaking, and writing skills. Various facets of Spanish-speaking cultures will be analyzed via cross-cultural comparisons. In addition to classroom discussion, students receive intensive individualized oral-aural practice in the language laboratory via interactive websites, audio CDs, video programs, and CD ROMs. This class is designed for those students who do not have a Spanish language background who wish to learn to speak Spanish or who seek a degree in the Spanish language.
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**SPAN 102**  
*Spanish II*  
4 Units

Prerequisite: Successful completion of SPAN 101 or two years of high school Spanish

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following sequences of courses: SPAN 101 and SPAN 102 or SPAN 130 and SPAN 131)

This course is a continuation of the study of the essentials of Spanish language: reading, listening, speaking, and writing skills. The skills learned in Spanish 101 will be reviewed. The class will increase vocabulary, grammar, and cultural knowledge to improve on the reading, listening, speaking and writing skills presented in Span 101. In this course the study of verb tenses and constructions is completed. Various facets of Spanish-speaking cultures will be analyzed via cross-cultural comparisons. In addition to classroom discussion, students receive intensive individualized oral-aural practice in the language laboratory via interactive websites, audio CDs, video programs, and CD ROMs. This class is designed for those students who do not have a Spanish language background who wish to learn to speak Spanish or who seek a degree in the Spanish language.

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**SPAN 130**  
*Spanish for Heritage Speakers I*  
3 Units

Advisory: ENGL 030 or ENLA 034 or appropriate assessment

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following sequences of courses: SPAN 101 and SPAN 102 or SPAN 130 and SPAN 131)

This course is designed to improve the language skills of students with a Spanish language background. Emphasis will be placed on the improvement of reading and writing skills. Aspects of culture, civilization, and literature from the Spanish-speaking countries will be included.

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**SPAN 131**  
*Spanish for Heritage Speakers II*  
3 Units

Prerequisite: SPAN 130 with a grade of "C" or better

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following sequences of courses: SPAN 101 and SPAN 102 or SPAN 130 and SPAN 131)

This course is a continuation of SPAN 130. It is designed to further improve the language skills of students with a Spanish language background. Emphasis will continue to be placed on the improvement of reading and writing skills, focusing especially on accents and spelling. Aspects of the culture and civilization of
Spanish-speakers will be included in the readings of the literature of Spanish-speaking countries. This course is intended for students who are native speakers of Spanish.

SPAN 201
Spanish III
4 Units
Prerequisite: SPAN 102 or SPAN 131 with a "C" or better, or three years of high school Spanish
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: SPAN 201 or SPAN 201H)
This is an intermediate level course in which Spanish grammar is reviewed. It also includes intensive classroom practice in conversation and composition. In addition to classroom instruction, students receive intensive, individualized oral-aural practice in the language laboratory in which websites, video programs, audio CDs, and CD ROMs are used. Many aspects of Spanish culture are introduced in short stories by Latin American and Spanish authors. Students strengthen their communication and writing skills by analyzing these stories in Spanish. This course is designed/intended for students who wish to broaden their knowledge in Spanish as well as for those interested in pursuing a degree in the Spanish language.

SPAN 201H
Spanish III Honors
4 Units
Prerequisite: ENGL 101 with a grade of "C" or better and SPAN 102 or SPAN 131 with a grade of "C" or better, or three years of high school Spanish
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: SPAN 201 or SPAN 201H)
This is an intermediate level course in which Spanish grammar is reviewed. It also includes intensive classroom practice in conversation and composition. In addition to classroom instruction, students receive intensive, individualized oral-aural practice in the language laboratory in which websites, video programs, audio CDs, and CD ROMs are used. Many aspects of Spanish culture are introduced in short stories by Latin American and Spanish authors. Students strengthen their communication and writing skills by analyzing these stories in Spanish. This course is designed/intended for students who wish to broaden their knowledge in Spanish as well as for those interested in pursuing a degree in the Spanish language. This course is intended for students eligible for the Honors Program.

SPAN 202
Spanish IV
4 Units
Prerequisite: SPAN 201 or 201H with a grade of "C" or better or four years of high school Spanish
Transfers to: UC, CSU
Spanish 202 is an intermediate level course designed to further improve the use of Spanish grammar, conversation, reading comprehension and composition. Various aspects of Spanish culture and literature are introduced through readings in the textbook and in supplementary readings. Students strengthen their communication and writing skills by analyzing literary selections that vary in style from simple journalist writing to highly original and complex literary works in Spanish. Students also receive intensive, oral-aural practice in the language laboratory in which websites, video programs, audio CDs, and CD ROMs are used. This course is designed/intended for students who wish to broaden their knowledge of Spanish as well as for those interested in pursuing a degree in the Spanish language.

SPCH 100
Interpersonal Communication
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU
Interpersonal Communication is an introductory course focusing on interactions between two people. Designed to provide students with greater understanding of communication in everyday activities, the course focuses on self-discovery and strengthening the self-image; discovering and understanding the factors that influence communication behavior; and the establishment and maintenance of meaningful relationships in professional and social settings. This course is designed for speech communication majors or anyone with an interest in human communication.

SPCH 101
Public Speaking
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: SPCH 101, SPCH 101H or SPCH 102)
This introductory course is designed to prepare students to be effective oral communicators in all aspects of public presentations including design and delivery of the public speech. The course is appropriate for all students interested in developing their public speaking knowledge and skills such as speech communication majors, future teachers, and future business leaders.

WEB 2/2/15 - 5/30/15

WEB 2/2/15 - 5/30/15

WEB 2/2/15 - 5/30/15
SPCH 101H
Public Speaking Honors
3 Units
Prerequisite: ENGL 101 with a grade of "C" or better
Advisory: READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: SPCH 101, SPCH 101H or SPCH 102)
This introductory course is designed to prepare students to be effective oral communicators in all aspects of public presentations including design and delivery of the public speech. The course is appropriate for all students interested in developing their public speaking knowledge and skills such as speech communication majors, future teachers, and future business leaders. This course is designed for students eligible for the Honors Program.

SPCH 110
Forensics: Speech and Debate Team
2 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: CSU
This course trains students to participate in Rio Hondo's Forensic Speech Team and/or to participate in community speech activities. This course emphasizes speech writing and/or presentation in debates, limited preparation speeches, drama, poetry, prose, humorous, informative, and persuasive speaking genres. This course is appropriate for students specializing in areas involving public speaking such as law, political science, drama, and instruction. This course may be taken once for credit and repeated three times for credit.

SPCH 111
Forensics: Debate Research and Practice
2 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: CSU
This course involves participation in Rio Hondo's Forensic Debate Team. Students research, structure, and present debate cases. Students in this course will improve their ability to debate at intercollegiate debate tournaments. Emphasis is placed on successful participation in National Parliamentary Debate Association (NPDA) sanctioned tournaments. This course is recommended for students preparing for careers in law, political science, or community advocacy. This course may be taken once and repeated three times for credit.

SPCH 112
Forensics: Oral Interpretation Laboratory
2 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: CSU
This course is designed to train students in the analysis and performance of literature at speech events attended by the Forensic Speech Team. Students develop skills to interpret and perform literature ranging from the play, screenplay, short story, novel, and poetry. Students gain an understanding of character and
scene analysis as it applies to an oral interpretation performance. This course is recommended for students specializing in communication, performance studies, and creative literature. This course may be taken once and repeated three times for credit.

SPCH 130
Oral Interpretation
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This communication course focuses on the oral performance of various forms of literature, such as poetry, prose, and drama. The skills needed for making such public performances will be addressed and student knowledge of the various forms of literature will be enhanced. Emphasis is placed on creating the essence of characters in a text through facial, vocal, and kinetic methods. This course is appropriate for speech majors or anyone interested in public performance and literature.

SPCH 132
Readers Theatre
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This is a creative communication course focusing on group presentations of literature. Students will perform pose, drama, and/or poetry in groups so that a communicative message emerges and fosters imaginative responses in the minds of an audience. Emphasis is placed on the fusion between rhetoric, interpretation and acting. Readers Theatre is designed for Speech Communication majors and those interested in literature and performance.

SPCH 140
Argumentation and Debate
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: SPCH 140 or SPCH 240)
This course is an introduction to the principles and techniques of argumentation and debate. Effective methods of research, critical analysis, reasoning, refutation, and listening are stressed. Through debate participation and analysis, students will gain the knowledge and skills to advocate and refute argumentative positions. This course is particularly appropriate for students anticipating entering occupations where argumentation, negotiation, and issue-analysis are likely to occur.

SPCH 240
Argumentation and Discussion
3 Units
Prerequisite: SPCH 140 with a grade of "C" or better
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: SPCH 140 or SPCH 240)
This course gives the student expanded practice and theory in argumentation. Students further develop their argumentation knowledge and skills through debate participation, observation, and discussion. This course is particularly appropriate for students anticipating entering occupations involving extensive argumentation and deliberation such as law, communication, negotiation, and any area where argumentation and debate occur frequently.
**TCED 054**  
**OSHA Workplace Safety II**  
4 Units  
Advisory: READ 023 or appropriate assessment  
This course is intended for the individual who needs an intermediate-level overview and/or the number of hours required for certification of both the California and Federal OSHA Safety Regulations for the General Industry and Construction Workplace. The course will cover a detailed overview of the rules and regulations, fire protection and prevention, material handling/storage and disposal, hand and power tools, welding and cutting, electrical safety, fall protection, scaffolds, excavations, concrete and masonry construction, steel erection, demolition, cranes/hoists/elevators and conveyors, lockout/tagout procedures, industrial hygiene and emergency action plans. Powered Industrial Trucks will also be covered during the course, meeting the requirement for OSHA Standard 1910.178. Upon completion of this course, (as well as passing the final exam and the powered industrial trucks operator safety training), the student will receive a 30-hour OSHA Training Certificate of Completion, which is good for life, and a powered industrial truck Certified Operator Card, which is good for 3 years.

**THTR 101**  
**Theatre Arts Appreciation**  
3 Units  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This course is designed for the student interested in an overview of the entire field of theatre. The practice and theory of the following will be explored: costume, set and lighting design, acting, directing, playwriting, criticism, play structure, theatre architecture and producing. Included will be a brief historical overview. At least one field trip to a professional theatre production will be organized.

**THTR 105**  
**The History and Development of the Theatre**  
3 Units  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: THTR 105 or THTR 105H)  
This course is designed for the student with an interest in history or theatre. It will cover humanity's relationship with theatre from primitive tribal cultures through today's large musicals and blockbuster hits. The class explores the way societies' religious, political and social structures were presented and shared through their theatre. The class will investigate major plays, playwrights and historic theatrical techniques through lectures, discussion, field trips and films.

**THTR 110**  
**Principles of Acting**  
3 Units  
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment  
Transfers to: UC, CSU  
This course is designed for the student who is interested in acting and other areas of theatre, film and Television, whether as a profession or as a hobby. The class explores the theory, practice and techniques of acting. Emphasis is placed on theatre games and exercises culminating in the presentation of scenes from contemporary dramatic literature.
THTR 111
Principles of Acting
3 Units
Prerequisite: THTR 110
Transfers to: UC, CSU
This course is for the student who wants to continue 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 exercises, character analysis, monologues, and scenes.

THTR 150
Theatre Crafts I
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU
The course is designed for the student who wishes to gain a basic understanding of the technical phases of scene production including construction, painting, rigging, placement and manipulation of stage scenery, lighting equipment, sound equipment, properties and wardrobe as well as the organization and management of stage activity and stagecraft terminology. The student will study the aesthetics and practical application principles of stage scenic, sound and lighting design. Students are assigned a specific crew responsibility that directly relates to a college theatre production.

THTR 151
Theatre Crafts II
3 Units
Prerequisite: THTR 150
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU
This course is designed for the student who wishes to expand the skills and concepts acquired in Theatre Crafts I (THTR 150). Topics such as the technical phases of scene production including construction, painting, rigging, placement and manipulation of stage scenery, lighting equipment, sound equipment, properties and wardrobe as well as the organization and management of stage activity and stagecraft terminology are revisited and expanded upon. The student will additionally do extensive study of the aesthetics and practical application principles of set design, sound design, and lighting design. Students are assigned a specific crew duty such as light board operator, sound operator or stage crew lead with added responsibility that directly relates to a college theatre production.
THTR 152
Theatre Crafts III
3 Units
Prerequisite: THTR 151
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU
This course is designed for the student who wishes to further expand the skills and concepts acquired in Theatre Crafts I and II. Technical phases of scene production including construction, painting, rigging, placement and manipulation of stage scenery, lighting equipment, sound equipment, properties and wardrobe as well as the organization and management of stage activity and stagecraft are examined in greater depth. The student will complete an in depth study of the theatrical design process by designing sets, props, lights and or sound for Rio Hondo theatrical productions. Students are assigned a specific crew lead with supervisory responsibility that directly relates to a college theatre production.

31174 CLAS 2/2/15 - 5/30/15 T 1400 - 1455  Kerry Farmer  M102
LAB 2/2/15 - 5/30/15 TR 1500 - 1805  Kerry Farmer  M102

THTR 159
Stage Crew Activity
1 Unit
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 022 or appropriate assessment
Transfers to: UC, CSU
The course is designed for the student to gain practical hands on technical experience working backstage on Arts and Cultural Programs approved public performances of theatrical, musical or dance productions and is taken in conjunction with Technical Theatre courses. The course may be taken once and repeated three times for credit.

34060 ARR 2/16/15 - 5/30/15 William Korf

THTR 175
The Original Play in Production
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; THTR 110 or THTR 150 or THTR 160
Transfers to: UC, CSU
This course is designed for the student who wants to be part of the process involved in the creation of a new play. The class will explore how plays are structured and how characters fleshed out by living actors affect the development of new theatre. Playwrights, actors, directors and designers will learn how to collaborate with each other. Students will be involved in a new full-length, one-act, or devised play. Students may participate in a variety of activities including acting, directing, production, management, playwriting, dramaturg, etc. Auditions will determine most of the specific assignments.

35080 CLAS 2/2/15 - 5/30/15 M 1900 - 1955  William Korf  CI000
LAB 2/2/15 - 5/30/15 W 1900 - 2225  William Korf  CI000
2/2/15 - 5/30/15 M 2000 - 2230  William Korf  CI000

THTR 231
Principles of Directing
3 Units
Prerequisite: THTR 230
Advisory: READ 023 or appropriate assessment
Transfers to: UC, CSU
This course is designed for the student majoring in Theatre Arts. The class is a continuation of Theatre Arts 230. Techniques in casting, rehearsing, picturization, characterization, tempo and climax in play direction are covered. Students will direct a 10-minute play with other students.

31215 CLAS 2/2/15 - 5/30/15 MW 1600 - 1655  William Korf  CI000
LAB 2/2/15 - 5/30/15 MW 1700 - 1825  William Korf  CI000
TV 135
Creative Digital Video
3 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: UC, CSU
This is a basic course in film-style production techniques for drama and music videos. Topics will include creating a story treatment, script writing, story boarding, camera handling, lighting, audio, and simple editing. Students will work in teams and crew all positions, including writer, producer, director, 1st assistant director, 2nd assistant director, lighting director, gaffer, camera operator, boom operator, and editor. Emphasis will be placed on defining the content, structure, and style of the production. This course may be of interest to students interested in both film and television production.

32659  CLAS  2/2/15 - 5/30/15  TR  1540 - 1635  Nicole Block  LR140
LAB  2/2/15 - 5/30/15  TR  1640 - 1805  Nicole Block  LR140

VN 061
Basic Fundamentals of Nursing
3.5 Units
Prerequisite: HS 060; PSY 101
Corequisite: VN 061L
This course is designed for the entry level vocational nursing student with a focus on the nursing process and its application in medical/surgical settings. The role of the Licensed Vocational Nurse in providing care for patients in a variety of situations is discussed. This course is open to students enrolled in the Vocational Nursing program and is required for Vocational Nursing licensure.


VN 061L
Basic Fundamentals of Nursing Laboratory
5 Units
Prerequisite: HS 060; PSY 101
Corequisite: VN 061
Advisory: READ 023 or appropriate assessment
This course is designed to provide the entry level vocational nursing student with the opportunity to learn basic nursing skills in the Health Science Skills laboratory and the clinical setting within the context of the nursing process. The student will apply the role of the Licensed Vocational Nurse in the clinical medical surgical setting. This course is open to students enrolled in the Vocational Nursing Program and is required for Vocational Nursing licensure. Offered on a pass/no pass basis.

31096  LAB  4/9/15 - 5/28/15  RF  0630 - 1445  Janet Cruz  EHC000
        2/5/15 - 3/27/15  RF  0700 - 1515  Mario Chavez  S208
31130  LAB  4/9/15 - 5/28/15  RF  0630 - 1445  Bernard Musselman  WHITE000
        2/5/15 - 3/27/15  RF  0700 - 1515  Mario Chavez  S204
34888  LAB  4/6/15 - 5/26/15  MT  0630 - 1445  Mario Chavez  WHITE000
        2/5/15 - 3/27/15  RF  0700 - 1515  Angela Cheung  S204

VN 081L
Maternal and Pediatric Nursing Lab
2.5 Units
Prerequisite: VN 072L with a grade of "Pass"; VN 073, VN 074, VN 075, VN 076 and VN 077 with a grade of "C" or better
Corequisite: VN 084
This course will provide the student with the opportunity to use the nursing process with increasing independence in proving care for patients in the clinical setting. The student will increase competency in data collection and nursing skills. Special emphasis will be placed on the care of the pediatric, antepartum,
intrapartum, postpartum and newborn patient. This course is open to students enrolled in the Vocational Nursing Program and is required for Vocational Nurse licensure. Offered on a pass/no pass basis.

31148 LAB 2/2/15 - 3/25/15 MW 0630 - 1445 Shelly Poet  L300
31161 LAB 2/2/15 - 3/25/15 MW 0630 - 1445 Shelly Poet  L300

**VN 082L**

**Advanced Medical/Surgical Nursing Laboratory**

3.5 Units

Prerequisite: VN 081L with a grade of "Pass" and VN 084 with a grade of "C" or better

This course will provide the student with the opportunity to apply learned leadership skills within the Vocational Nurse scope of practice. The student will utilize the nursing process with increasing independence and accountability in providing care for patients in the clinical setting. Special emphasis will be placed on the care of medical/surgical patients with complex problems, neurological system disorders and oncological problems. The student will have the opportunity to further develop the necessary communication skills needed to provide care for patients with mental health problems. This course is open to students enrolled in the Vocational Nursing Program and is required for Vocational Nurse licensure.

31198 LAB 4/6/15 - 5/27/15 MW 0630 - 1800 Ryan Velasco WHITE000
31205 CLAS 4/5/15 - 5/24/15 MU 0630 - 1800 Virginia Montez-Ochoa PRCC000

**VN 083**

**Applied Pharmacology**

2 Units

Prerequisite: VN 073 with a grade of "C" or better

Using the Systems Developmental Stress Model, The Nursing Process, and Erickson’s Psycho-Social Theory of Human Development, this course is designed to prepare the vocational nursing student with the advanced knowledge necessary to safely administer medications to patients and accurately assess the patient response to medication therapy under the supervision of the nursing instructor. This course is open to students enrolled in the Vocational Nursing Program.


**VN 084**

**Maternal and Pediatric Nursing**

4 Units

Prerequisite: VN 072L with a grade of "Pass"; VN 073, VN 074, VN 075, VN 076 and VN 077 with a grade of "C" or better

Corequisite: VN 081L

This course focuses on growth and development with concomitant problems traced from newborn through infancy, toddler, preschool, school-age and the adolescent. Nursing care appropriate to the developmental stage of the child and the focus of the pediatric problems including biological and psychological problem’s affecting the well and hospitalized child and family. This course is open to students enrolled in the Vocational Nursing Program and is required for the Vocational Nursing Licensure.

31225 CLAS 2/5/15 - 3/27/15 RF 0800 - 1215 Shelly Poet  L300

**VN 085**

**Leadership & Supervision for the Vocational Nurse**

0.5 Units

Prerequisite: VN 072L with a grade of "Pass"; VN 073, VN 074, VN 075, VN 076, and VN 077 with a grade of "C" or better

This course will introduce principles of leadership, group dynamics, delegation, and effective communication in working relationships for the vocational nurse. Emphasis is placed on delegation and supervision of nursing assistants, other vocational nurses, and unlicensed assistive personnel. The course is open to students enrolled in the Vocational Nursing Program and is required for the Vocational Nurse licensure.

31228 CLAS 4/10/15 - 5/22/15 T 1500 - 1555 Angela Cheung  L300
VN 086
Mental Health and Neurological Nursing Problems
3 Units
Prerequisite: VN 081L with a grade of "Pass" and VN 084 with a grade of "C" or better
This course presents mental health concepts that relate to emotional issues influencing a patient's well-being and problems related to the neurological system. Emphasis will be placed on the nursing process, as it relates to problems of neurological function and mental health. This course is open to those students enrolled in the Vocational Nursing Program and is required for Vocational Nursing licensure.

31236 CLAS 4/9/15 - 5/22/15 RF 0900 - 1210 Catherine Page L300
31236 CLAS 4/9/15 - 5/22/15 RF 0900 - 1210 Katherine Brandt L300

VN 087
Nursing Care of Patients with Cancer
1 Units
Prerequisite: VN 072L and VN 081L with a grade of "Pass"; VN 073, VN 074, VN 075, VN 076, VN 077 and VN 084 with a grade of "C" or better
This course focuses on the application of the nursing process in medical-surgical situations for the patient with cancer diagnoses of various body systems and immune deficiency disorders. Emphasis is placed on the physical, psychological, and psychosocial effects of diagnosis, medical therapy, and nursing intervention with the application of principles of nutrition, pharmacokinetics, and palliative care in caring for patients with cancer. The course is open to students enrolled in the Vocational Nursing Program and is required for the Vocational Nurse licensure.

31247 CLAS 4/9/15 - 5/28/15 R 1500 - 1705 Patricia Luna L408

WELD 040
Introduction to Welding Processes
2 Units
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
This is an introductory class designed to familiarize the student with several welding processes that are currently used in the welding and metal fabrication industry. This course offers an overview and basic introduction to the theory and practice of a variety of welding and metal cutting methods. This course will emphasize safety, theory, procedure, and practical skill development.

34565 CLAS 2/2/15 - 5/30/15 S 0800 - 0855 Larry Gustafson T114
LAB 2/2/15 - 5/30/15 S 0905 - 1215 Larry Gustafson T114
34566 CLAS 2/2/15 - 5/30/15 T 1800 - 1855 Mauricio Reyes T114
LAB 2/2/15 - 5/30/15 TR 1905 - 2030 Mauricio Reyes T114

WELD 080
Certification Welding
2 Units
Prerequisite: WELD 060; WELD 065Advisory: READ 023 or appropriate assessment; WELD 045
This course offers specialized training and instruction which are necessary to pass the written and performance tests for the following certification types and processes: light gage steel and structural aluminum for the Los Angeles City Building Department. Emphasis is placed on safety, test preparation, procedures, and destructive testing.

35127 CLAS 2/2/15 - 5/30/15 F 0800 - 0855 To Be Assigned T114
LAB 2/2/15 - 5/30/15 F 0905 - 1215 To Be Assigned T114

WFT 077
Wildland Fire Academy
13 Units
Prerequisite: Carry a 45 lb. pack three miles within a 45 minute time period; Must complete and pass a US Forest Service Physical
Advisory: ENGL 035 or ENLA 100 or appropriate assessment; READ 023 or appropriate assessment
This course is designed for those students who desire to gain certification through the NWCG (National Wildland Coordinating Group) as a Wildland Firefighter. This course provides training in hand crew formation, fire line construction and the use of wildland equipment. Students will learn about wildland firefighter safety, fire behavior, protective clothing and wildland fire tools. This course includes arduous physical conditioning as day and night time hikes and other outdoor activity is included. This academy provides the required training for the US Forest Service and CAL Fire agencies as a wildland firefighter for certification purposes.

32745 CLAS  2/2/15 - 5/1/15  MTWR  0700 - 0805  John Bennett  AJAB
2/2/15 - 5/1/15  MTWR  0810 - 0945  John Bennett  AJAB
LAB  2/2/15 - 5/1/15  MTWR  0950 - 1200  John Bennett  AJAB
2/2/15 - 5/1/15  MTWR  1205 - 1340  John Bennett  AJAB

WFT 101
Wildland Fire Behavior
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment; MATH 020 or appropriate assessment
Transfers to: CSU
This course is one in a series of core courses required for the Wildland Fire Technology Certificate of Achievement and Associate of Science Degree program. This course provides students with information necessary to understand basic wildland fire behavior, wildland fire predictions, and wildland fire operation safety. Wildland fire environmental factors and the tools required to monitor weather and fire behavior will be discussed as it relates to wildland fire predictions. This course meets or exceeds the National Wildfire Coordinating Group’s (NWCG) requirements.

35160 CLAS  2/2/15 - 5/30/15  T  1245 - 1555  Don Garwood  AJ203

WFT 102
Wildland Fire Fighter Safety and Survival
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is one in a series of core courses required for the Wildland Fire Technology Certificate of Achievement and Associate of Science Degree program. This course provides students with information necessary to understand occupational safety and hazards associated with wildland firefighting operations. Emphasis will be placed on situational awareness, protective measures, accident avoidance procedures, and the risk management process. Students will also review fire ground near misses, entrapments, and fatalities. This course meets or exceeds the National Wildfire Coordinating Group’s (NWCG) requirements.

34506 CLAS  2/2/15 - 5/30/15  T  1600 - 1905  Richard Beckman  AJ203

WFT 103
Wildland Fire Operation (Ground Air)
3 Units
Advisory: ENGL 030 or ENLA 034 or appropriate assessment; READ 023 or appropriate assessment
Transfers to: CSU
This course is one in a series of core courses required by the Wildland Fire Technology Certificate of Achievement and Associate of Science Degree program. This course provides students with information necessary to understand ground and air operations associated with wildland firefighting operations. Emphasis will be placed on incident command system use, strategy, tactics, hazards, resource typing, management, and safety procedures during wildland fire incidents. This course meets or exceeds the National Wildfire Coordinating Group’s (NWCG) requirements.

34507 CLAS  2/2/15 - 5/30/15  T  1910 - 2215  Richard Beckman  AJ203