

# COURSE DESCRIPTIONS

## ACCOUNTING (ACCTG)

### ACCOUNTING 1

Introductory Accounting I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Students learn fundamental accounting principles and concepts. This is the study of accounting as an information system, examining why it is important and how it is used by investors, creditors and others to make decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus to the accounting cycle, applications of generally accepted accounting principles, financial statements and financial statements analysis. Includes issues relating to assets, liabilities, equity valuation, revenue and expense recognition, cash flows, internal controls and ethics.

Note: Accounting 21 (3 units) and Accounting 22 (3 units) when taken together are equivalent to Accounting 1 (5 units)

### ACCOUNTING 2

Introductory Accounting II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Accounting 1 or Accounting 22 with a satisfactory grade or better

Students learn how managers use accounting information in decision-making, planning, directing operations and controlling. Focuses on cost terms and concepts, cost behavior, cost structure and cost-volume-profit-analysis. Includes issues relating to cost systems, cost control, profit planning and performance analysis in manufacturing and service environments.

### ACCOUNTING 15

Tax Accounting I

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn to prepare Federal and California income tax returns for individuals, topics include overview, gross income, exemptions, deductions, tax credits, self-employment tax returns and rental property transactions. This course can be utilized to meet part of the basic qualification for registering as tax preparer and the continuing education requirement of the California Tax Preparer Act.

### ACCOUNTING 16

Tax Accounting II

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: Accounting 15

In this course, students continue the study of Federal Income Taxes, and the analysis of laws as well as consideration of appropriate accounting procedures and preparation of reports and returns as they apply to partnerships, limited liability companies, corporations, and S corporations.

### ACCOUNTING 17

Payroll Accounting

2 UNITS (CSU)

LECTURE 2 HOURS

Students learn the procedures and practices involved in a firm's payroll system, including familiarizing Students with current laws regarding computation of regular and overtime pay, withholding of payroll taxes, computation of employer's payroll taxes, and the preparation of payroll tax returns and reports.

### ACCOUNTING 19

Ethics for Accounting Professionals

3 UNITS

LECTURE 2 HOURS

This course is a survey and study of ethics in business and accounting areas including the study of moral values, personal integrity, professional accountability, business legitimacy, equity, and fairness. This course also includes the study of the Sarbanes-Oxley Act, Codes of conduct, Circular 230, and case analysis.

### ACCOUNTING 21

Bookkeeping and Accounting I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students learn fundamentals of double-entrée accounting; the accounting cycle; preparation of the trial balance; financial statements, accounting for merchandise businesses, cash transactions; special journals etc.

Note: Accounting 21 (3 units) and Accounting 22 (3 units) when taken together are equivalent to Accounting 1 (5 units)

### ACCOUNTING 22

Bookkeeping and Accounting II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Accounting 21

Students learn accounting for receivables, payables, bad debts, deferrals and accruals, merchandise inventories, plant and equipment, accounting for partnerships and corporations, Cash Flow statement, and comparative financial statement analysis etc.

Note: Accounting 21 (3 units) and Accounting 22 (3 units) when taken together are equivalent to Accounting 1 (5 units)

### ACCOUNTING 23

Recordkeeping for Small Business

3 UNITS

LECTURE 3 HOURS

Students learn the cash basis concept of accounting, and small business computerized accounting software using Quickbooks. Students will complete simulated accounting projects designed for different types of small business firms using both manual and automated systems.

**ACCOUNTING 27**

Automated Accounting Methods and Procedures II

3 UNITS

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisites: Accounting 1, 21, 41 or 51.

Students use computer applications in the preparation of special journals, payroll register, bank reconciliation, aging accounts receivable, inventory costing and depreciation, analysis of financial statements.

**ACCOUNTING 31**

Mathematics of Accounting

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the mathematical fundamentals, bank reconciliation, payroll computations, depreciation and allocation of overhead, trade and cash discounts and other accounting-related math subjects.

**ACCOUNTING 55**

Accounting Computer Laboratory

1 UNITS (CSU)

LABORATORY 2 HOURS

Students learn to use the spreadsheet software 'Microsoft Excel' for solving accounting problems and concepts being studied in other accounting classes.

**ADMINISTRATION OF JUSTICE (ADM JUS)****ADMINISTRATION OF JUSTICE 1**

Introduction to Administration of Justice

3 UNITS (UC: CSU)

LECTURE 3 HOURS

The Student will be introduced 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, and sentencing and incarceration policies.

**ADMINISTRATION OF JUSTICE 2**

Concepts of Criminal Law

3 UNITS (UC: CSU)

LECTURE 3 HOURS

The Student will learn 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 course will build. The

course will also include some limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes.

**ADMINISTRATION OF JUSTICE 3**

Legal Aspects of Evidence

3 UNITS (CSU)

LECTURE 3 HOURS

The Student learns the categories of evidence and legal rules governing its admission and exclusion in the criminal process.

**ADMINISTRATION OF JUSTICE 4**

Principles and Procedures of the Justice System

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn, through examination and analysis, due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional law precedents.

**ADMINISTRATION OF JUSTICE 5**

Criminal Investigation

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn 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.

**ADMINISTRATION OF JUSTICE 6**

Patrol Procedures

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the history and development of patrol philosophy and preparing for field activities. Topics covered include, but are not limited to, Ethics in Law Enforcement; Preparing for Duty; Basic Concepts of Patrol; Handling Calls for Service; Arrests; and Investigations and Reports.

**ADMINISTRATION OF JUSTICE 8**

Juvenile Procedures

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn about the origin, development, and organization of the Juvenile Justice System as it evolved in the American Justice System. The course explores the theories that focus on Juvenile Law, courts and processes, and the constitutional protections extended to juveniles administered in the American Justice System.

**ADMINISTRATION OF JUSTICE 14**

Report Writing for Peace Officers

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn to complete written reports as used by Law enforcement agencies and present factual material with clarity, definiteness, and conciseness emphasized.

**ADMINISTRATION OF JUSTICE 16**

Recruitment Selection Process

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn of the selection process for employment with an agency in the criminal justice system. Topics will include a review of the minimum qualifications for employment as a peace officer as determined by the Commission on Peace Officer Standards & Training (POST) and/or Standards and Training for Corrections (STC). Specific topics will include the application, written examination, oral interview, background investigation, psychology exam, medical exam, polygraph exam, and physical fitness testing. Employment opportunities will be presented.

**ADMINISTRATION OF JUSTICE 53**

Forensic Fingerprint Evidence

3 UNITS

LECTURE 3 HOURS.

Students learn the history of fingerprinting; fingerprint pattern types and classification; the searching and referencing of fingerprints; techniques for taking good fingerprints; the problems in taking inked fingerprints; the proper procedure for taking major case prints; and the preparation of fingerprint charts for court testimony.

**ADMINISTRATION OF JUSTICE 60**

Arrest, Search and Seizure

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the laws of search and seizure. Students learn the interpretations of these laws by the U.S. Supreme Court. Topics include, but are not limited to, exceptions to warrant requirements; reasonable expectation of privacy; and probable cause.

**ADMINISTRATION OF JUSTICE 62**

Fingerprint Classification

3 UNITS (CSU)

LECTURE 3 HOURS

A practical course designed to cover the technical aspects of fingerprinting. Topics will include pattern interpretation, classification, taking and lifting of prints, and searching and filing procedures. Times will be devoted to Laboratory work in the classroom.

**ADMINISTRATION OF JUSTICE 67**

Community Relations I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students will learn 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 may include the consensus and conflicting values in Cultural, Religion, and Law.

**ADMINISTRATION OF JUSTICE 160**

Police Organization and Administration

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn to analyze the concept of police organizations and management styles; addressing the roles and responsibilities of law enforcement agencies.

**ADMINISTRATION OF JUSTICE 180**

Introduction to Forensics

3 UNITS (CSU)

LECTURE 3 HOURS

Students will learn 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.

**ADMINISTRATION OF JUSTICE 379**

Advanced Criminalistics - Forensics I

3 UNITS

LECTURE 3 HOURS

Advisory: Administration of Justice 180.

Students concentrate on three areas of forensics: Serology (blood/DNA), blood spatter analysis and trace evidence. Students use a "hands-on" approach to identify and collect this type of evidence and learn the techniques, used by crime-Laboratory criminalists, to analyze evidence.

**ADMINISTRATION OF JUSTICE 381**

Law Enforcement Internship

3 UNITS

LECTURE 1 HOUR. LABORATORY 8 HOURS

The Students provide voluntary service to a law enforcement agency of their choice to determine whether police work will be a career goal.

**ADMINISTRATION OF JUSTICE 391**

Firearms Evidence Analysis

3 UNITS

LECTURE 3 HOURS

Students learn forensic firearms evidence through the study of topics including, but not limited to, firearms; ammunition; ballistics; forensic firearms examination; gunshot residue examination; and gun-handling tests.

**ADMINISTRATION OF JUSTICE 396**

Traffic Collision Investigation

3 UNITS

LECTURE 3 HOURS

Advisory: English 28 and 67.

Students concentrate on investigating traffic collisions by identifying and interpreting forensic evidence as well as diagramming and measuring scenes. Students also learn how to understand vehicle and pedestrian dynamics (behaviors) normally associated after a collision.

**ADMINISTRATION OF JUSTICE 413**

Financial Crimes Investigations

3 UNITS

LECTURE 3 HOURS

Advisory: English 28 and 67.

Students concentrate on the criminal and civil investigation techniques in dealing with the highly technical field of financial crimes. Students analyze the following crimes: forgery, credit card fraud, financial scams, fake identification fraud, computer fraud, internet crimes and identification fraud (Social Security Number).

**AFRICAN AMERICAN STUDIES (AFRO AM)****AFRICAN-AMERICAN STUDIES 4**

The African-American In the History of the United States I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Note: Meets the Associate in Arts degree requirements in U.S. History, U.S. Constitution, and California State and Local Government.

Students analyze historiographical issues in African American history and how black Americans were active agents in creating their own history. Emphasis on the African background of African Americans, the institution of slavery, the development of the African American community institutions, and African American participation in and impact on the Civil War and Reconstruction.

**AFRICAN-AMERICAN STUDIES 5**

The African-American In the History of the United States II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Note: Meets the Associate in Arts degree requirements in U.S. History, U.S. Constitution, and California State and Local Government.

Students analyze historiographical issues in African American history and how black Americans were active agents in creating their own history. Emphasis on ideas of black social thought, political protest and efforts to create social change from Reconstruction to the present.

**AFRICAN-AMERICAN STUDIES 7**

Black Americans and the Political System

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Students analyze the relationship of minority groups to American Politics with emphasis on African Americans in the political system.

**AFRICAN-AMERICAN STUDIES 20**

African-American Literature I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Students survey African American writers, covering all types of literatures (slave narrative, poetry, novels, etc.) to develop a positive attitude towards reading and understanding the progression of American culture as interpreted by African American writers.

**AFRICAN-AMERICAN STUDIES 60**

African-American Music

3 UNITS (UC: CSU)

LECTURE 3 HOURS

A study of African-American music and their influences on folk spirituals, gospels, concert music, opera, ballet, blues and jazz underscoring styles, characteristics, origin and contributions by African-American Artists. Credit allowed Credit allowed for only one of African America 60 and Music 135.

**AMERICAN SIGN LANGUAGE ( A S L )****AMERICAN SIGN LANGUAGE 1**

American Sign Language I

4 UNITS (UC: CSU)

LECTURE 4 HOURS

In this course Students develop basic grammar and lexical proficiency in American Sign Language. Emphasis is placed on comprehension skills. Overview of topics include pronouns, colors, interrogatives, negations, schools, people, family relationships, work, life events, daily activities. transportations, time/calendar, fingerspelling. Functional/notional discourse behavior are developed including conversational openers, greetings, identifying, introducing, asking/requesting, responding, comparing /contrasting. This course also incorporates vital aspects of the Deaf culture and community.

**AMERICAN SIGN LANGUAGE 2**

American Sign Language II

4 UNITS (UC: CSU)

LECTURE 4 HOURS

Prerequisite: American Sign Language 1 with a satisfactory grade or equivalent.

In this course students complete the study of elementary vocabulary and grammar begun in ASL 1. Emphasis is placed on the development of inflectional and non-manual behavior patterns. Students continue to examine selected aspects of deaf culture and community within receptive and expressive conversations. An overview of topics includes: grammatical features, such as, syntax, pronominalization, verb aspect/modulation, tense, number incorporation, adverbials, adjectival, topicalization, spatialization; interactive behaviors, such as, requests, turn-taking, making suggestions, giving feedback, interrupting; and cultural topics, such as, myths, social and political organizations, signaling devices, and technology within the Deaf community.

**AMERICAN SIGN LANGUAGE 3**

American Sign Language III

4 UNITS (UC: CSU)

LECTURE 4 HOURS

Prerequisite: American Sign Language 2 with a satisfactory grade or equivalent.

Students continue the development of proficiency in American Sign Language grammar with special emphasis on idiomatic constructions. Conversational techniques with a focus on expressive skills is further developed. Students continue to expand the study of Deaf cultural issues.

**AMERICAN SIGN LANGUAGE 25**

Conversational American Sign Language

2 UNIT (CSU)

LECTURE 2 HOURS.

Prerequisite: American Sign Language 2 with a satisfactory grade or equivalent.

Provides opportunities for practical conversation on everyday topics, cultural material, and expansion of vocabulary according to Student interest or need.

**AMERICAN SIGN LANGUAGE 30**

Finger Spelling I

1 UNIT (CSU)

LECTURE 1 HOURS.

Prerequisite: American Sign Language 1 with a satisfactory grade or equivalent.

Develops skills in expressive and receptive use of the Manual Alphabet. Deals with specific individual problems and techniques for corrections. Overview of topics include: hand positioning (location and angle), handshapes, rhythm, fluency, spelling, and numbers; reception of fingerspelled handshapes, patterns and pauses/transitions.

**AMERICAN SIGN LANGUAGE 40**

Introduction to Deaf Culture

3 UNITS (UC: CSU)

LECTURE 3 HOURS.

Advisory: English 28 and 67.

Open to all students. Focuses on the cultural, historical, philosophical, educational, psychological and social aspects of the deaf and hard of hearing. No knowledge of American Sign Language is required. Satisfies Humanities requirement for graduation.

**ANATOMY (ANATOMY)****ANATOMY 1**

Introduction to Human Anatomy

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Advisory: English 101 and Biology 3.

Structural organization of the human body: gross and microscopic structure of the integumentary, skeletal, muscular, nervous, sensory, endocrine, cardiovascular, lymphatic, respiratory, digestive, excretory, and reproductive systems, from cellular to organ system levels of organization.

**ANTHROPOLOGY (ANTHRO)****ANTHROPOLOGY 101**

Human Biological Evolution

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students will examine evolutionary theory, human genetics, primate ecology and behavior, the hominid fossil record and modern human variation. Students will be able to underline the historical path to natural selection, describe the five factors of the evolutionary process, identify biological characteristics of primates, discuss features of primate behavior, diagram the origin of mankind through comparing skulls from the hominid fossil record, and interpret modern human variation.

**ANTHROPOLOGY 102**

Human Ways of life: Cultural Anthropology

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students are introduced to the field of socio-cultural anthropology and will examine the diversity of human life around the world. Topics covered include the "culture" concept, ethnography, language, kinship, gender, religion, political and economic organization, globalization and culture change. The objectives of This course are (1) to employ a relative perspective in the appreciation of the world's cultural diversity, and (2) to apply case studies to describe this variation.

**ANTHROPOLOGY 103**

Archaeology: Reconstructing the Human Past

3UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28

This course is an exploration of the theories and methods of contemporary archaeology and offers a narrative on prehistory. Students will interpret the peopling of the planet, culture change, and the rise of civilization using the archaeological record. Students will construct a theory-rich research design that reflects current trends in contemporary archaeology.

**ANTHROPOLOGY 121**

Anthropology of Religion, Magic and Witchcraft

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students learn about the origins and varieties of religious beliefs and practices cross-culturally. Topics include mythology, symbolism, shamanism, traditional healing, altered states of consciousness, magic, divination, witchcraft, and the question of cults.

**ANTHROPOLOGY 151**

Visual Anthropology: Exploring Culture Through Film Mixed Media

3 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 0.5 HOURS

Advisory: Photography 7 or Cinema 2.

Students survey and analyze the use of film and video in anthropological research, teaching, theory and methodology. Films are studied for their anthropological content and as

artifacts of western culture, which reveal significant aspects of that culture. Students learn techniques in video and audio production in the creation of a final visual product.

### **ANTHROPOLOGY 385**

DIRECTED STUDY

Anthropology

3 UNITS (CSU)

LECTURE 3 HOURS

Students pursue directed study in Anthropology on a contract basis under the direction of a supervising instructor.

## **ARABIC (ARABIC)**

### **ARABIC 1**

Elementary Arabic I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Advisory: English 28 and 67

Student learns the fundamentals of the Arabic pronunciation and grammar structure. The student receives practical material for simple conversation based on everyday experiences and basic facts on the geography, customs and culture of the Arabic speaking world.

### **ARABIC 2**

Elementary Arabic II

5 UNITS (UC: CSU)

LECTURE 5 HOURS LABORATORY 1 HOUR.

Prerequisite: Arabic 1 with a satisfactory grade or equivalent.

Students complete learning elementary Arabic grammar and begin reading and writing relatively more advanced elementary texts. They continue with the study of the cultures of countries that speak Arabic.

## **ARMENIAN (ARMEN)**

### **ARMENIAN 1**

Elementary Armenian I

5 UNITS (UC: CSU)

LECTURE 5 HOURS. LABORATORY 1 HOUR

Advisory: English 28 and 67.

The Student completes the fundamentals of pronunciation and elementary grammar, practical vocabulary and useful phrases to understand, read and write simple Armenian.

### **ARMENIAN 2**

Elementary Armenian II

5 UNITS (UC: CSU)

LECTURE 5 HOURS. LABORATORY 1 HOUR.

Prerequisite: Armenian 1 with a satisfactory grade or equivalent.

The Students learn the elementary grammar, reading and comprehension of simple text, with emphasis on oral expression. It also includes an introductory study of Armenian culture to complement comprehension of language.

### **ARMENIAN 35**

Armenian for Armenian Speakers I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

The bilingual student practices written Armenian with an emphasis on the acquisition of a solid grammatical base, vocabulary enrichment, and spelling. Addresses all four skills in Armenian, but focuses on reading and writing. Includes readings on the geography, customs and culture of Armenia.

### **ARMENIAN 36**

Armenian for Armenian Speakers II

5 UNITS (CSU)

LECTURE 5 HOURS

Prerequisite: Armenian 35 with a satisfactory grade or equivalent.

The bilingual student completes the study of Armenian grammar and continues the development of reading and writing skills, as well as continued vocabulary enrichment, through study of more advanced written texts. More advanced study of Armenian geography, customs, and culture is included.

## **ART (ART)**

### **ART 185**

Directed Study

Art Honors

1 UNIT (CSU)

LECTURE 1 HOUR

Students pursue on their own an in depth study of a subject of special interest to them in studio art. Students work independently but consult with the instructor on a weekly basis to critique their work.

### **ART 201**

Drawing I

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Students apply elements and principles of design to the practice of drawing, employing a wide range of subject matter, drawing techniques and media. They develop observation based and technical drawing skills and hone their creative responses to materials and subject matter.

### **ART 202**

Drawing II

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 201

Students explore artistic concepts, styles and creative expression related to intermediate drawing, focusing on complex subject matter and concepts using a variety of drawing media, techniques and methodologies. Students further develop technical and observational skills introduced in Drawing I, while arriving at personalized approaches to content and materials in exercises covering multiple historical and contemporary approaches to drawing.



**ART 204**

## Life Drawing I

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 201 with a satisfactory grade. Co-requisite: Art 501

Students draw the live model in various drawing media, employing foundational drawing principles and methods. They develop observation-based and technical drawing skills and hone their creative responses by drawing the human figure at the introductory level.

**ART 205**

## Life Drawing II

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 204 with a satisfactory grade.

Students draw the live model in various drawing media, employing foundational drawing principles and methods. They develop observation-based and technical drawing skills and hone their creative responses by drawing the human figure at the intermediate level.

**ART 206**

## Life Drawing III

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 205 with a satisfactory grade.

Students draw the live model in various drawing media at an advanced level, building upon techniques from Art 205. Different media, methods, and subject matter are employed to hone creativity and support the development of personal style.

**ART 209**

## Perspective Drawing I

3 UNITS (UC: CSU)

LECTURE 2 HOUR. LABORATORY 2 HOURS.

Prerequisite: Art 201 with a satisfactory grade.

Students learn to draw three-dimensional objects in space using measured vanishing point systems along with direct observation and freehand drawing. They explore methods of drawing cast shadows and mirror reflections in perspective.

**ART 250**

## Introduction to Digital Art

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Advisory: Art 501 with a satisfactory grade.

Students are introduced to fundamental concepts, practices, and theories of digital art production. Topics include integration of traditional design, color, and compositional principles with contemporary digital tools.

**ART 285**

## Directed Study - Art Honors

2 UNITS (CSU)

LECTURE 2 HOURS

Students pursue on their own an in depth study of a subject of special interest to them in studio art. Students create art works of special interest to them under the guidance of the instructor.

**ART 300**

## Introduction to Painting

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

PREREQUISITE: ART 201 AND 501 WITH A SATISFACTORY GRADE.

Students learn the principles, elements, and practices of painting. The course focuses on exploration of painting materials, perceptual skills and color theory, paint mixing and technique, as well as creative responses to materials and subject matter.

**ART 301**

## Watercolor Painting I

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 300 with a satisfactory grade.

Students expand their knowledge of painting, focusing on composition and color techniques in watercolor media while continuing to explore art concepts, content, and imagery as applied to personal expression.

**ART 302**

## Watercolor Painting II

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 301 with a satisfactory grade.

Students apply advanced techniques and explore concepts in color, composition, and surfaces.

**ART 304**

## Acrylic Painting I

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 201 and 501 with a satisfactory grade.

Students learn a variety of techniques employing acrylic paints and related grounds and tools. A variety of subject matter is used to introduce a series of stylistic approaches.

**ART 305**

## Acrylic Painting II

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 304 with a satisfactory grade.

Students learn to employ acrylic paints and related grounds and tools at an intermediate level, building upon techniques from Art 304. A variety of subject matter is used to support the development of stylistic approaches.

**ART 306**

## Acrylic Painting III

3 UNITS (UC: CSU)

LECTURE 1 HOURS. LABORATORY 5 HOURS.

Prerequisite: Art 305 with a satisfactory grade.

Students learn to employ acrylic paints and related grounds and tools at an advanced level, building upon techniques from Art 305. A variety of subject matter is used to support the development of personal style.

**ART 307**

## Oil Painting I

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 201 and Art 501 with satisfactory grades or better

Students learn methods and techniques of painting using the medium of oil paint with its related grounds and tools. Different subjects are used to introduce a variety of stylistic approaches.

**ART 308**

## Oil Painting II

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 307 with a satisfactory grade.

Students learn methods and techniques of painting using the medium of oil paint with its related grounds and tools at an intermediate level, building upon techniques from Art 307. Different subjects are used to support the development of stylistic approaches.

**ART 309**

## Oil Painting III

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 308 with a satisfactory grade.

Students learn methods and techniques of painting using the medium of oil paint with its related grounds and tools at an advanced level, building upon techniques from Art 308. Different subjects are used to support the development of personal style.

**ART 385**

## Directed Study - Art

3 UNITS (CSU)

LECTURE 3 HOURS

Students pursue directed study in studio art on a contract basis under the direction of a supervising instructor.

**ART 400**

## Introduction to Printmaking

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 201 and 501 with satisfactory grades or better

Students practice various forms of platemaking and printing. Emphasis will be placed on the development of visual ideas and printmaking techniques.

**ART 401**

## Etching I

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 400 with a satisfactory grade.

Students practice various forms of etching and printing. Emphasis will be placed on the development of visual ideas and etching techniques.

**ART 402**

## Etching II

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 401 with a satisfactory grade.

Students practice various forms of etching and printing. Emphasis will be placed on the development of visual ideas and advanced etching techniques.

**ART 407**

## Relief Printmaking I

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 402 with a satisfactory grade.

Students practice various forms of platemaking and printing in the relief process. Emphasis will be placed on the development of visual ideas and relief printing techniques.

**ART 501**

## Beginning Two-Dimensional Design

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Students learn concepts, applications, and historical references related to the creation of two-dimensional art and design, utilizing the basic visual elements and design principles in studio art projects, developing a visual vocabulary for analysis and creative expression. The course includes problem-solving studio projects, lectures, presentations, and written assignments. This course is a prerequisite for many courses in studio art and graphic design.

**ART 502**

## Beginning Three-Dimensional Design

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: : Art 501

Co-requisite: Art 201.

Students study concepts of three dimensional form with experimental problems in a variety of materials using various spatial composition.

**ART 604**

## Graphic Design I

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 250 with satisfactory grades.

Co-requisite: Art 501

Students learn the fundamentals of graphic design with and emphasis on typography: its legacy, its terminology, tools, and working methods. Emphasis is placed on computer layout skill building in Adobe Photoshop, Illustrator and InDesign to creative effective visual communication.

**ART 605**

## Graphic Design II

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 604

Co-requisite: Art 639

Students continue their study of graphic communication with projects that introduce the interaction between designer,



client and audience. Continued emphasis on the computer as a tool with focus on integration of In Design, Illustrator and Photoshop.

**ART 606**

## Graphic Design III

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 605 and Art 639 or 250 with satisfactory grades.

Students apply more advanced graphic design principles using computer graphics. Emphasis is placed on the creation of a graphic design branding campaign. Students will create and refine industry standard branding elements and use them throughout the semester in various formats intended for print and social media.

**ART 620**

## Illustration 1

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 201 with a satisfactory grade.

Co-requisite: Art 501.

Drawing, rendering and composition skills are extended to problems in commercial illustration, pictorial art for publications and advertising. Variety of techniques and media.

**ART 621**

## Illustration II

3 UNITS

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 620 with a satisfactory grade.

Illustration II is a continuing study of contemporary illustration through a series of projects with a focus on non-traditional media. Additional emphasis is placed upon the individual needs and skills of each student. Preparing studies for client meetings is covered at the conclusion of the class.

**ART 634**

## Computer Graphics 1: 3D Computer Graphics

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 250 and Art 501 with a satisfactory grade.

Students explore three-dimensional digital design techniques, concepts and applications employed as tools in graphic design. Students focus on three-dimensional modeling and rendering techniques in the creation of objects and environments for graphics and multimedia.

**ART 636**

## Computer Graphics 2: 3D Computer Graphics

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: Art 634 with a satisfactory grade.

Students create detailed three-dimensional objects and animations for graphics and multimedia. Students render animated projects with advanced lighting, and camera techniques. Character rigging is introduced. Students create projects for 3D printing.

**ART 645**

## Introduction to Web Site Design

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 250 with satisfactory grades or better

Students learn the basic concepts and techniques used in designing web sites employing the principles of design, color theory, typography, and composition. Software includes, but is not limited to the current versions of Adobe Dreamweaver and Photoshop. Topics include: design principles such as the grid, color, navigation, composition, and typography; user experience principles such as accessibility, audience analysis, sitemaps, responsive design; technical aspects such as hosting, file management, FTP, HTML, CSS.

**ART 646**

## Intermediate Web Site Design

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 645 with satisfactory grades or better

This is an intermediate course that extends the skills, concepts, and practices developed in Art 645. The course focuses on the creation of database-driven responsive websites enriched with multimedia and animation. Students solve design problems, approach work using real-world production strategies, and produce data-rich interactive web experiences. The course is organized around the LAMP web service stack, and explores technologies that include, but are not limited to: HTML5; media production software; web animation software; project management systems; and database management software.

**ART 648**

## Digital Imaging

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Art 250 or Photo 46 with a satisfactory grade.

This is an intermediate level course dealing with motion graphics for animation using digital imaging and animation software, with an emphasis on programs such as Photoshop and After Effects, including layers, masks, filters, animation techniques and output to video, via demonstrations, practicums, and exercises.

**ART 649**

## Storyboard

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Advisory: Art 520 and Photo 46.

This course focuses on applying industry-standard storyboarding and scripting techniques to animation. Contents to be covered include the various purposes and formats of storyboards, the basic terminology and concepts used in storyboarding, working with scripts, animation techniques in Storyboard Pro and Adobe Character Animator. Research and previz are used to create a character, story and animated video – an Animate

**ART 700**

## Introduction to Sculpture

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS

Prerequisite: Art 501 and 502 with a satisfactory grade.

Advisory: Art 201

Students practice three-dimensional sculptural principles, techniques and concepts utilizing a wide range of materials and practices. Various sculpting methods are practiced with attention to creative self-expression and historical context.

**ART 701**

## Sculpture I

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 700 with a satisfactory grade.

Students practice various forms of sculpture including the armature. Emphasis will be placed on the development of visual ideas and sculptural techniques.

**ART 702**

## Sculpture II

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 701 with a satisfactory grade.

Students will be challenged with advanced problems in sculpture. Students will be encouraged to explore individual creativity, materials and processes.

**ART 708**

## Introduction to Ceramics

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Students learn the different kinds of ceramic materials, concepts, and processes including basic design principles, creative development, hand-building, throwing, glaze techniques, firing and ceramic terminology. Students explore the aesthetics and creative development of clay objects examining historical, contemporary, and personal modes of expression across cultures.

**ART 709**

## Ceramics I

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 501 and 708 with a satisfactory grade.

Advisory: Art 502

The Student continues the study of ceramic processes, of the physical and chemical characteristics of clay, with an emphasis placed on ceramic design and glaze chemistry.

**ART 710**

## Ceramics II

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 5 HOURS.

Prerequisite: Art 709 with a satisfactory grade.

Students master technical and design skills through hand building, clay decoration, glazing and the potter's wheel, making ceramic molds, and slip casting.

**ART HISTORY (ARTHIST)****ART HISTORY 103**

## Art Appreciation

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101

This introductory and integrative course in the arts offers a thematic approach to art appreciation through art examples from Western and non-Western cultures. The Student learns about art forms and media in traditional and contemporary styles, including terminology and problems of definition, meaning, and evaluation in the visual arts.

**ART HISTORY 110**

## Survey of Western Art History I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101

The Student explores the development of art and architecture from prehistory through the medieval period, emphasizing the cultural context of the West, and its major points of contact with the non-European world.

**ART HISTORY 120**

## Survey of Western Art History II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101

Students learn about the development of Art from the time of the Renaissance to Contemporary Art. Emphasis is placed on the cultural context of the West while major points of artistic contact with the Non-European world is considered. This course provides an overview of art and architecture from the Renaissance to the Contemporary.

**ART HISTORY 130**

## Survey of Asian Art History

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101

The Student learns about the development of Asian art from prehistoric times through the 20th Century including the artistic traditions and histories of China, India, Japan, Korea, and Southeast Asia. The Student considers how cultural, political, and religious forces influenced the arts and explore how the various regions of Asia formed and influenced one another.

**ART HISTORY 139**

## Introduction to Islamic Art

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101

The Student examines the global historical development of Islamic visual art (including painting, sculpture, architecture, and other forms) and its historical and cultural context.

**ART HISTORY 140 (FORMERLY ART 109)**

Survey of Arts of Africa, Oceania, and Ancient America

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101

Students learn about the visual culture within select regions in Africa, Oceania and indigenous North America.

**ART HISTORY 151**

Introduction to Latin American Art

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101

The Students examine the art and architecture of Latin America, beginning with Pre-Columbian period, but focus primarily on the 19th to 21st centuries. Students explore major historical periods of Latin American history and visual culture, which include an introduction to pre-Hispanic civilizations, Colonial rule and Independence, the emergence of Modernism and the Avant-garde, and contemporary art and architecture in Latin America. They gain an understanding of underlying social, economic, political and religious context of the production and use of the works of art considered.

**ART HISTORY 171**

Introduction to Global Contemporary Art

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Art 103 or 120

Advisory: English 101

Students learn about thematic and historical developments of Contemporary visual art (including painting, sculpture, architecture, new media, and other forms), produced by the global community.

**ASTRONOMY (ASTRON)****ASTRONOMY 1**

Elementary Astronomy

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67

A fascinating look into the general principles and the fundamental facts of astronomy. This introductory course is designed for the non technical student. Topics covered include the history and science of astronomy, the solar system, our sun, stars, galaxies and cosmology. No college math preparation is needed. If a Student wishes to transfer this as a Laboratory science course, the Student must also complete Astronomy 5.

**ASTRONOMY 5**

Fundamentals of Astronomy Laboratory

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Co-requisite: Astronomy 10 or 11 or Astronomy 1

Astronomy 5 Laboratory course offers a presentation of the methods and techniques used by astronomers to determine the nature of the universe. This course uses some very basic mathematics, and can be taken by non - science and/or science majors. When taken together with Astronomy 1 or Astronomy

10 or Astronomy 11, a student's 'science with a lab' transfer and graduation requirement is met. Topics covered in Astronomy 5 include star names, asterisms and constellations, sky motion, planet motion, orbital motion, stellar brightness, stellar spectrum, crater formation, star clusters, galaxies and deep sky objects. An important part of the course involves working with and learning the operation of astronomical instruments and equipment including celestial globes, astrolabes, azimuth sundials, astronomical binoculars and computer controlled telescopes.

**ASTRONOMY 11**

Stars, Galaxies, and the Universe

3 UNITS (UC: CSU)

LECTURE 3 HOURS

This conceptual course surveys the universe beyond the solar system. Students learn about stars, stellar evolution, black holes, galaxies, the big bang, cosmology and the possibility to extraterrestrial life.

**BIOLOGY (BIOLOGY)****BIOLOGY 3**

Introduction to Biology

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Advisory: English 21.

In this survey course for non-majors, students learn general biological principles, activities, and the relationships of living organisms to each other and the world they live in with emphasis on their correlations to the human organism. The course includes a study of the nutritional, medical, and genetic aspects of the modern world.

**BIOLOGY 6**

General Biology I

5 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 6 HOURS

Prerequisite: Mathematics 125; and Chemistry 60 or 65 with a satisfactory grade or equivalent.

Advisory: English 21 or equivalent.

In this class designed for general biology majors and pre-professional students, students examine and learn the principles of molecular biology, cell structure and function, genetics, evolution and organization at the tissue level in plants and animals.

**BIOLOGY 7**

General Biology II

5 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 6 HOURS

Prerequisite: Biology 6; Chemistry 60 or 65 and Math 125 with a satisfactory grade or equivalent.

Advisory: English 21 or equivalent.

In this class designed for general biology majors and pre-professional Students, Students examine and learn the diversity, structure, and the life processes of plants and animals as well as the principles of organization at the organ and organ system levels, embryology, ecology and behavior.

**BIOLOGY 25**

Human Biology  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: Eligibility for English 21 or equivalent.

Credit not allowed for Biology 25 to Students who have previous credit for Biology 1, 3, 6, 23.

In this survey course for the non-science major, students explain the principle human organ systems according to structure and function and examine the problems of pollution, population control and preservation of the natural environment.

**BIOLOGY 46**

Genetic Analysis  
3 UNITS (UC: CSU)

Prerequisite: Biology 6 with a satisfactory grade or equivalent.

This course is designed for Life Science majors as a continuance of their general biology studies. It provides a comprehensive introduction to genetic analysis examining topics such as chromosome analysis, population genetics, and genomics.

**BUSINESS (BUS)****BUSINESS 1**

Introduction to Business  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students engage in a multidisciplinary examination of how culture, society, economic systems, legal, international, political, financial institutions, and human behavior interact to affect a business organization's policy and practices within the U.S. and a global society. The course demonstrates how these influences impact the primary areas of business including: Organizational structure and design; leadership, human resource management, risk management and insurance, organized labor practices, ethics and social responsibility, marketing, organizational communication, e-business/technology, entrepreneurship, legal, accounting, and financial practices, and the stock and securities market; and therefore how they affect a business' ability to achieve its organizational goals.

**BUSINESS 15**

Business Statistics  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Prerequisite: Mathematics 125 with a satisfactory grade or equivalent.

The student learns measures of Central Tendency, Measures of Dispersion, Normal Distribution, Hypothesis Testing, Correlation and Analysis of Variance.

**BUSINESS 17**

Computer Graphics for Business  
3 UNITS  
LECTURE 1 HOUR. LABORATORY 4 HOURS

Prerequisite: Business 1.

A comprehensive course in business graphics covering types of business graphics, their uses and techniques for generating

graphics emphasizing computer usage, computer techniques and current computer graphics software. The Student learns types of Excel and PowerPoint programs and how these applications are used in business.

**BUSINESS 38**

Business Computations  
3 UNITS (CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Note: Credit allowed for only one of Business 38 or Accounting 31.

Students learn basic mathematics, beginning with whole numbers and solving word problems, fractions, decimals, checking accounts, basic algebra, percents and their applications. The course covers business applications of mathematics, including trade and cash discounts, markups and markdowns, payroll, simple interest and promissory notes and compound interest.

**BUSINESS 911**

Cooperative Education - Business  
1 UNIT (CSU)  
LECTURE 1 HOUR

Students receive credit for approved internships, including cooperative education and work experience with an employer in the field of Business under the direction of the Cooperative Education Director. The work-site must be approved by the Department Chair. The internship course will assist Students in acquiring desirable work habits, attitudes and career awareness. Students must work 75 hours paid or 60 hours non-paid.

**BUSINESS 921**

Cooperative Education - Business  
2 UNIT (CSU)  
LECTURE 2 HOUR.

Students receive credit for approved internships, including cooperative education and work experience with an employer in the field of Business under the direction of the Cooperative Education Director. The work-site must be approved by the Department Chair. The internship course will assist Students in acquiring desirable work habits, attitudes and career awareness. Students must work 75 hours paid or 60 hours non-paid.

**BUSINESS 931**

Cooperative Education - Business  
3 UNIT (CSU)  
LECTURE 3 HOURS

Students receive credit for approved internships, including cooperative education and work experience with an employer in the field of Business under the direction of the Cooperative Education Director. The work-site must be approved by the Department Chair. The internship course will assist students in acquiring desirable work habits, attitudes and career awareness. Students must work 225 paid hours or 180 volunteer hours during the semester.

**BUSINESS 941**

Cooperative Education - Business

4 UNITS (CSU)

LECTURE 4 HOURS

Students receive credit for approved internships, including cooperative education and work experience with an employer in the field of Business under the direction of the Cooperative Education Director. The work-site must be approved by the Department Chair. The internship course will assist students in acquiring desirable work habits, attitudes and career awareness. Students must work 300 paid hours or 240 volunteer hours during the semester.

**COMPUTER APPLICATIONS OFFICE TECHNOLOGY (CAOT)****CAOT 1**

Computer Keyboarding and Document Applications I

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Advisory: Eligibility for ESL Level 6B and 6C.

Students will develop a salable skill--computer keyboarding by touch; minimum speed at end of course, 30 wpm accurately; formatting of letters, memos, tables, and simple reports using word processing software.

**CAOT 2**

Computer Keyboarding and Document Applications II

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: Computer Keyboarding I or equivalent.

Students master the keyboard (letters, numbers, and symbols) by touch. Minimum speed at end of course of 40 accurately; formatting of mailable advanced letters, tables, reports, memos, and desktop published documents using Microsoft Word.

**CAOT 3**

Computer Keyboarding III

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisites: Completion of CAOT 2 and CAOT 84 or equivalent.

Student develops production skills in using advanced features of Microsoft Word to create properly formatted business documents. Includes composition at keyboard, decision making, and timed production of letters, tables, and reports. Develops minimum speed at end of course of 50 wpm. Keyboarding I, II, and III are sequential courses and should be completed in that order.

**CAOT 14**

Microcomputer Office Applications: PowerPoint

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: CAOT 82 with a satisfactory grade or equivalent.

Develops proficiency in the operation of Microsoft PowerPoint. Provides an overview of presentation design principles. Develops the skill to create, modify, and retrieve various

presentations, the skill to integrate PowerPoint with other programs, the skill to use PowerPoint templates, fonts, graphics, transitions, sound, and animation. Students will learn to outline presentations, create dynamic slides, and develop slide shows based on business topics. Prepares Students for certification exam.

**CAOT 31**

Business English

3 UNITS (CSU)

LECTURE 3 HOURS

Students develop the basic language skills needed to communicate effectively in today's workplace. Students will learn fundamental English grammar and punctuation rules as they relate to written and oral communication in business. After successful completion of this course, Students will be prepared for CAOT 32, Business Communications.

**CAOT 32**

Business Communications

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisites: CAOT 31 and English 101 with a satisfactory grade or equivalent.

Advisory: CAOT 1

The course begins with the theory of written and oral communication. Students analyze business situations and plan, organize, write, and revise business letters, interoffice memorandums, business reports, business presentations, plus improve their general and business vocabularies. This includes the application of business communications and principles of writing. Messages are broken into their component parts for a critical analysis of organization and content, style, tone, grammar, format, and appearance.

**CAOT 33**

Records Management And Filing

2 UNITS

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Students learn creation, storage, disposition and preservation of all types of documents using alphabetic, geographic, numeric, and subject methods. Includes introduction to database records management on a microcomputer.

**CAOT 43**

Office Procedures

3 UNITS

LECTURE 3 HOURS

Prerequisites: CAOT 1 and CAOT 31 with satisfactory grades or better.

Students develop knowledge of automated office skills and develop attitudes for success on the job.

**CAOT 47**

Applied Office Practice

2 UNITS

LABORATORY 5 HOURS

Prerequisite: CAOT 1 with a satisfactory grade or equivalent and second semester standing.

The Student will learn practical experience in working in an office on campus and lectures relating to office behavior, productivity, motivation, and interpersonal skills.



**CAOT 48**

## Customer Service

3 UNITS (CSU)

LECTURE 3 HOURS

This course is designed to raise awareness, prompt thinking, give step-by-step suggestions for improvement, and provide information on how an organization can deliver service excellence. The information is beneficial whether one is new to dealing with others in a business setting or is more experienced with internal customers (e.g., coworkers or other employees) and external customers (e.g., consumers, vendors, or other end users of products). Emphasis is placed on communication, diversity, technology, time management, stress management, and customer retention.

**CAOT 64**

## Computer Applications and Office Technologies

## Laboratory

1 UNIT (CSU)

LABORATORY 2 HOURS

Co-requisite: CAOT 1.

Students in Computer Applications and Office Technologies classes receive additional time on computers to work with all the software that is offered in the Department. Students must complete a minimum of 32 hours per semester. In addition to Laboratory hours that are required for any other classes Student is enrolled in. Pass/No Pass.

**CAOT 79**

## Word Processing Applications

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisites: CAOT 84 and CAOT 31 or CAOT 82 and with satisfactory grades or equivalent.

Students develop further skill in preparing a variety of business documents on a personal computer. Includes advanced techniques using Microsoft Word. Covers formats for letters, memos, reports, tables, outlines, form documents, graphics, desktop publishing, and merged documents. Prepares students for certification exam.

**CAOT 82**

## Microcomputer Software

## Survey In the Office

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisites: CAOT 1 and CAOT 98 with satisfactory grades or equivalent.

Students learn to use the microcomputer and commercially available software used in business office. Course provides hands on introduction to word processing, database, spreadsheet, graphics, desktop publishing and presentation design software.

**CAOT 84**

## Microcomputer Office Applications:

## Word Processing

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Advisory: ESL Level 5A and completion of CAOT 1 with a satisfactory grade or equivalent.

Students use basic and advanced commands in Microsoft Word or other word processing software to create, format, edit,

save, and print documents including letters, tables, reports, charts and merge documents and use document collaboration and integration tools. Use desktop publishing features to create newsletters, brochures, fliers, résumés, and online forms.

**CAOT 85**

## Microcomputer Office Applications: Spreadsheet

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Students learn office spreadsheet applications using a PC and spreadsheet application software, such as Excel. Students are taught to create, edit, format, and print worksheets; construct graphs and build databases that utilize the data table function.

**CAOT 86**

## Microcomputer Office Applications: Database

3 UNITS (CSU)

LECTURE 1 HOURS. LABORATORY 4 HOURS

Advisory: CAOT 1.

The Students learn office database applications using a relational database program, such as MS Access. Records design, file creation and maintenance, data manipulation, report formats, and printing are covered. Office applications, such as records for personnel, inventory, and sales, are emphasized. Graphing and integration with a word processing program to produce automated mailings are included.

**CAOT 88**

## Microcomputer Office Applications: Desktop Publishing

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

The Student gains knowledge and skills necessary to use personal computers, printers and various desktop publishing software and produces camera ready, near typeset quality reports, newsletters, brochures, flyers, business forms, and presentations.

**CAOT 98**

## Microcomputer Office Applications: Introduction to Windows

3 UNITS

LECTURE 1 HOUR. LABORATORY 4 HOURS

Students prepare to work in the Windows environment. Emphasizes the features of Windows, including changing and creating icons, opening and closing windows and other applications, responding to dialog boxes, and working with directories.

**CAOT 105**

## School-to-Work-Portfolio

2 UNITS

LECTURE 2 HOURS

Prerequisite: CAOT 31 with a satisfactory grade or equivalent.

Students prepare a comprehensive professional portfolio that contains a resume, cover letter, application for employment, reference letters, and personal achievement. The course will also include career planning, networking with business and industry, and job search using the Internet and other resources.



**CAOT 112**

Microcomputer Office Applications: Web Page Design

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Students will learn the most important topics of Web page design. The course emphasizes creating a new website, integrating a database, styles, and working with HTML code.

**CAOT 911**

Cooperative Education 911 - CAOT

1 UNIT (CSU)

LECTURE 1 HOUR

Students receive credit for approved internships with an employer in the field of Computer Applications and Office Technologies under the direction of the Cooperative Education Director. The internship course will assist students in acquiring desirable work habits, attitudes and career awareness. The worksite will be approved by the Department Chair. Students must work 75 hours paid or 60 hours non-paid.

**CAOT 921**

Cooperative Education 921 - CAOT

2 UNITS (CSU)

LECTURE 2 HOURS

Students receive credit for approved internships with an employer in the field of Computer Applications and Office Technologies under the direction of the Cooperative Education Director. The internship course will assist Students in acquiring desirable work habits, attitudes and career awareness. The work site will be approved by the Department Chair. Students must work 150 hours paid or 120 hours non-paid.

**CHEMISTRY (CHEM)****CHEMISTRY 60**

Introduction to General Chemistry

5 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 4 HOURS

Prerequisite: Mathematics 115 or appropriate score on the placement assessment.

Advisory: English 28 and 67 or 31.

A general basic chemistry course with laboratory, emphasizing fundamental principles of inorganic and physical chemistry, nomenclature of inorganic compounds, ionic and covalent bonding, problem solving, gas laws and solutions. This course serves as preparation for Chemistry 101, and meets the IGETC and CSU general education requirements for physical science with laboratory.

**CHEMISTRY 65**

Introductory General Chemistry

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS.

Prerequisite: Math 115

Advisory: Math 125 and English 28 and 67.

This course is a survey of basic chemistry topics with laboratory, emphasizing fundamental principles of inorganic and physical chemistry. This course meets the IGETC and CSU general education requirements for physical science with laboratory. Introductory chemistry topics include nomenclature of elements and inorganic compounds, ionic and covalent bonding, atomic

structure, molecular geometry, chemical reactions, problem solving, measurements, stoichiometry, states of matter and related energy concepts, gas laws, aqueous and solution chemistry, quantum theory, periodic properties, colligative properties, and acid base concepts. Laboratory exercises are quantitative in nature and are related to the lecture topics.

**CHEMISTRY 101**

General Chemistry I

5 UNITS (UC: CSU)

LECTURE 3 HOURS. CONFERENCE 2 HOURS. LABORATORY 4 HOURS.

Prerequisite: Chemistry 60 or 65 or 68 and Mathematics 125

Advisory: English 28 and 67.

The Student learns nomenclature, atomic structure, quantum theory, bonding theories and molecular geometry, chemical equations, stoichiometry, thermochemistry, solid, liquid and gaseous states and related forces, gas laws, solutions and colligative properties, periodic relationships, and acid base theories. Laboratory exercises are quantitative in nature and are related to the Lecture topics. This is the first semester of a one-year course in chemistry intended for majors in the natural sciences (chemistry, biochemistry, biology, physics, pre-medicine), mathematics, and engineering.

**CHEMISTRY 102**

General Chemistry II

5 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 6 HOURS.

Prerequisite: Chemistry 101 with a satisfactory grade or better.

Advisory: Eligibility for English 28 and 67 or 31.

The Students receive in lectures the theory and application of chemical kinetics, general and aqueous equilibria, thermodynamics, electrochemistry, nuclear chemistry, descriptive chemistry, structure and bonding in transition metal complexes and carbon compounds. In the Laboratory Students apply what is learned in Lecture to experiments in reaction kinetics, chemical qualitative analysis, chemical and spectroscopic quantitative analysis, potentiometric titration techniques, and electrochemistry.

**CHEMISTRY 185**

DIRECTED STUDY

Chemistry

1 UNIT (CSU)

LECTURE 1 HOUR

Prerequisite: Chemistry 102. Advisory: English 28.

Students pursue Directed Study in Chemistry on a contract basis under the direction of a supervising instructor. Laboratory and literature research is performed.

**CHEMISTRY 211**

Organic Chemistry for Science Majors I

5 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 6 HOURS

Prerequisites: Chemistry 102 with a satisfactory grade or better.

In the first part of a two-course sequence students learn structure, nomenclature, stereochemistry, preparation and mechanisms of reactions of aliphatic and aromatic hydrocarbons and their derivatives. Students also learn a mechanistic approach to reactions and a focus on multistep synthesis throughout the course. The

Laboratory presents the techniques of preparation, where Students learn isolation and analysis of organic compounds employing standard and modern instrumental methods.

### **CHEMISTRY 212**

Organic Chemistry for Science Majors II

5 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 6 HOURS

Prerequisite: Chemistry 211

Students complete the study begun in Chemistry 211. Students will learn more about the organic functional groups of alcohols, aldehydes, ketones, carboxylic acids, carboxylic acid derivatives and amines. They will also learn more specialized topics including the following: carbohydrates, amino acids and peptides, fatty acids and polymers; difunctional compounds, polycyclic benzenoid hydrocarbons, heterocyclic compounds, mass spectroscopy, NMR techniques and strategies in modern organic synthesis. The Students will learn further mechanistic approaches to reactions and a focus on multistep synthesis will be emphasized throughout the course. The Laboratory presents more techniques of preparation, Students will learn isolation and analysis of organic compounds employing modern instrumental analysis.

### **CHEMISTRY 221**

Biochemistry for Science Majors

5 UNITS (UC: CSU)

LECTURE 3 HOURS

CONFERENCE 2 HOURS. LABORATORY 4 HOURS

Prerequisite: Chemistry 211

Advisory: English 28, 31, 67.

Students receive the principles of biochemistry, with an emphasis on the structure and function of biomolecules, the role of metabolism in energy production and biosynthesis, and common biochemical laboratory techniques. Topics relate to the chemistry and metabolism of biological compounds. Topics include the structure and function of biomolecules, including proteins, lipids, carbohydrates, nucleic acids and their precursors. The course also presents enzyme catalysis, and the details of the central metabolic pathways (glycolysis, gluconeogenesis, glycogenolysis, the citric acid cycle, electron transport and oxidative phosphorylation, lipid degradation and biosynthesis, and nitrogen metabolism) including their regulation and integration. Laboratory work includes electrophoresis, chromatography, spectroscopy, and enzyme purification and kinetics. This course prepares Students for careers in the physical and biological sciences, pharmacy, medical and dental professions, veterinary and agricultural science, nutrition and food chemistry, and related fields.

### **CHEMISTRY 285**

Directed Study - Chemistry

2 UNIT (CSU)

LECTURE 2 HOURS.

Prerequisite: Chemistry 102. Advisory: English 28.

Students pursue Directed Study in Chemistry on a contract basis under the direction of a supervising instructor. Laboratory and literature research is performed.

### **CHEMISTRY 385**

Directed Study - Chemistry

3 UNITS (CSU)

LECTURE 3 HOUR.

Prerequisite: Chemistry 102. Advisory: English 28.

Students pursue Directed Study in Chemistry on a contract basis under the direction of a supervising instructor. Laboratory and literature research is performed.

## **CHICANO STUDIES (CHICANO)**

### **CHICANO STUDIES 7**

The Mexican American In the History of the United States I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Note: Meets the Associate in Arts degree requirement in American Institutions.

Students survey United States history from early colonial period through the Civil War with special emphasis on the contribution of Mexican Americans. This course provides a background in the political and social development of both the United States and Mexico, and, in addition, is for those who wish to gain a better understanding of Mexican culture in the Southwestern United States. Included is a survey of the U.S. Constitution.

### **CHICANO STUDIES 8**

The Mexican American In the History of the United States II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students survey the history of the Mexican people in the United States from 1848 to the present time. The content includes a discussion of the United States War with Mexico, the Treaty of Guadalupe-Hidalgo and the subsequent incorporation of Mexicans into the United States. Emphasis is placed on the politics of race, its origin in the colonial process and its impact on the historical development of a Mexican American ethnic identity in the United States.

### **CHICANO STUDIES 44 (SAME AS SPANISH 16)**

Mexican Civilization

3 UNITS (UC: CSU)

LECTURE 3 HOURS

This course is a broad survey of Mexican civilization and culture. The course covers the periods of prehistoric expansion of Mesoamerica, Pre-Columbian Mexican civilization, the Spanish conquest, the colonial period, and Mexico in the 19th and 20th century.

## **CHILD DEVELOPMENT (CH DEV)**

### **CHILD DEVELOPMENT 1**

Child Growth and Development

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students examine the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There is an emphasis on interactions between maturational processes and environmental

factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages.

### **CHILD DEVELOPMENT 2**

Early Childhood Principles and Practices

3 UNITS (CSU)

LECTURE 3 HOURS

CO-REQUISITES: Child Development 1. Verification of Mantoux test (or chest X-Ray) is required.

Advisory: English 28 and 67, or equivalent.

An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all children. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics and professional identity.

### **CHILD DEVELOPMENT 3**

Creative Experiences for Children I

3 UNITS (CSU)

LECTURE 3 HOURS

Students develop and implement creative curriculum for young children. Activities include: sensory, motor, manipulative, art, music, movement, literacy, math, science, and dramatic play experiences. Emphasis is on environments that promote creativity and the role of the teacher.

### **CHILD DEVELOPMENT 7**

Introduction to Curriculum In Early Childhood Education I

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Child Development 2, English 28 and 67; or equivalent.

Students learn and develop the knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 6. Students examine a teacher's role in supporting development and engagement for all young children. Students learn strategies for developmentally-appropriate practice based on observation and assessments across the curriculum, including 1) academic content areas, 2) play, art, and creativity, and 3) development of social-emotional, communication, and cognitive skills.

### **CHILD DEVELOPMENT 10**

Health, Safety and Nutrition

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students learn about the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety and nutrition. The key components that ensure physical health, mental health, and safety for children and staff are identified along with importance of collaboration with families and health professional. The interrelationship of health, safety and nutrition and the impact on children's growth and development are key focuses.

### **CHILD DEVELOPMENT 11**

Child, Family and Community

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students examine the developing child in a societal context focusing on the interrelationship of the family, school and community and emphasizes historical and sociocultural factors. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families. Some topics covered are: social influences on parenting styles, communication, child-rearing and the relationships between the child, family and the school is studied.

### **CHILD DEVELOPMENT 22**

Practicum In Child Development I

4 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 6 HOURS

Prerequisite: Child Development 1, 7 and 11

Note: Verification of annual Mantoux test (or chest x-ray) and immunizations: MMR and Pertussis, is required.

Students are assigned to an approved Child Development program to demonstrate developmentally appropriate early childhood teaching competencies under guided supervision. Students 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, assessment and knowledge of curriculum content areas is emphasized as Student teachers design, implement and evaluate experiences that promote positive development and learning.

### **CHILD DEVELOPMENT 23**

Practicum In Child Development II

4 UNITS (CSU)

Prerequisite: Child development 22 or equivalent. Lecture 2 hours. Laboratory 6 hours per week.

Note Verification of current Mantoux test (or chest x-ray) and immunizations: MMR and Pertussis, is required.

This course provides an advanced practicum experience. Students apply assessment strategies to plan, implement, and evaluate developmentally appropriate activities. Techniques that promote partnerships between teachers and families are developed. An educational philosophy statement, a resume and a professional portfolio are created. Students assigned to directed practicum teaching in a child development center demonstrate professional and ethical behaviors.

### **CHILD DEVELOPMENT 30**

Infant and Toddler Studies I

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67; or equivalent.

Note: Verification of current Mantoux test (or chest x-ray) is required.

Students receive an in-depth study of cognitive/language, social/emotional and perceptual/motor developmental domains and milestones of infants from birth to 36 months, in the context of respectful relationships. As well as, an overview

of major theories including attachment, brain development, the value of play, early intervention and relationship-based care in the context of family systems: culture, home language, and traditions. Students will be introduced to the laws and regulations of safe healthy environments and the rights of all infants and toddlers including children at-risk for disabilities. Class instruction includes objective observations of infants and toddlers in diverse settings.

### **CHILD DEVELOPMENT 31**

Infant and Toddler Studies II

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67; or equivalent.

Note: Verification of current Mantoux test (or chest x-ray) is required.

Students learn the principles of inclusive, respectful, caregiving for infants and toddlers. Topics include: typical and atypical development, principles of early intervention, appropriate environments, curriculum, infant care licensing; observation, assessment and intervention plans; and tools for family communications and home visits within the context of home language, culture and traditions. Verification of Mantoux test (TB test) or chest x ray is required.

### **CHILD DEVELOPMENT 34**

Observing and Recording Children's Behavior

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Child Development 1 and English 28 and English 67 or equivalent.

Note: Verification of current Mantoux test (or chest x-ray) is required.

Students learn the appropriate use of assessment and observation strategies to document development, growth, play and learning to join with families and professionals in promoting children's success. Recording strategies, rating systems, portfolios, and multiple assessment tools are explored.

### **CHILD DEVELOPMENT 38**

Administration and Supervision of Early Childhood Programs I

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Child Development 3 or 4 or 7; and 11 or equivalent.

Students are prepared to establish and administer an early childhood program. Financial aspects of administration and legal rules and regulations pertaining to establishing a center are emphasized. Students apply licensing information and knowledge of regulations to design an appropriate environment, create a fiscal plan, marketing strategy and develop an enrollment and hiring process. This course partially fulfills the licensing requirements for the director.

### **CHILD DEVELOPMENT 39**

Administration II: Personnel and Leadership In Early Childhood Education

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Child Development 3 or 4 or 7; and 11 or equivalent.

Students learn and apply effective strategies for personnel management and leadership in early care and education settings. Students analyze state and federal regulations, ethical responsibilities and learn how to apply the information to develop and supervise a comprehensive, culturally sensitive, diverse and inclusive program. Students learn supervision techniques, professional development, and reflective practices designed for program improvement. This course partially fulfills the licensing requirement for a director.

### **CHILD DEVELOPMENT 42**

Teaching In a Diverse Society

3 UNITS (CSU)

LECTURE 3 HOURS

Students examine the development of social identities in diverse societies including theoretical and practical implications affecting young children, families, programs, teaching, education and schooling. Culturally relevant and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society. The course involves self-reflection of one's own understanding of educational principles in integrating anti-bias goals in order to better inform teaching practices and/or program development.

### **CHILD DEVELOPMENT 44**

Early Intervention for Children with Special Needs

3 UNITS (CSU)

This course is designed for students intending to work with children with special needs. Students examine components of a comprehensive service delivery system that is based on legal mandates and an understanding of typical and atypical development across all domains. Also discussed is the role of observation and documentation in adapting the environment, creating instructional strategies for including children with special needs in early childhood programs.

### **CHILD DEVELOPMENT 45**

Programs for Children with Special Needs

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67; or equivalent.

Note: Verification of Mantoux test (or chest x-ray) is required.

Students learn about programs for exceptional children and best practices for inclusion of children with special needs into educational settings as close to their typically developing peers as possible. Students explore a variety of disabilities from a child development perspective includes definition, and educational implications.

**CHILD DEVELOPMENT 48**

Positive Guidance In Early Childhood Settings

3 UNITS (CSU)

LECTURE 3 HOURS

Students explore developmentally appropriate management techniques for children in early childhood settings. Emphasis is on developing culturally sensitive individualized plans for behavior management of traditional and special needs children.

**CHILD DEVELOPMENT 65**

Adult Supervision and Early Childhood Mentoring

2 UNITS

LECTURE 2 HOURS

Prerequisite: Child Development 22 and 38 or 39.

The class focuses on the principles and practices of supervision and evaluation of staff in Early Childhood Programs. Emphasis is placed on the role of experienced teachers who mentor or supervise new teachers and Student teachers. This meets supervision requirement for the Child Development Permit.

**CHILD DEVELOPMENT 84**

Child Development Laboratory I

.5 UNITS

LECTURE 1 HOUR

Students interested, or currently working in the field of Child Development, or taking Child Development classes, may use lab materials, curriculum resource books, technology and equipment to design lesson plans, games, and other curricular activities. A \$20 lab fee is required.

**CHILD DEVELOPMENT 84-1**

Child Development Laboratory 1: Curriculum Development

0.5 UNITS (CSU)

LABORATORY 1 HOUR

Co-requisite: One of the following Child Development 2, 3, 7,10, 22, 42, or 44; or equivalent.

This course allows Students interested in working in the field of Child Development, or taking Child Development classes, to use Laboratory materials, curriculum resource books, to design lesson plans, games, and other curricular activities. A \$20 Laboratory fee is required.

**CHILD DEVELOPMENT 84-2**

Child Development Laboratory 1: Technology For the Early Childhood Educator

0.5 UNITS (CSU)

LABORATORY 1 HOUR

Prerequisite: Child Development 84-1

Students learn to use Laboratory materials, and technology and equipment to design lesson plans, games, and other curricular activities. A \$20 Laboratory fee is required.

**CHILD DEVELOPMENT 85**

Child Development Laboratory II

0.5 UNITS (A)

LABORATORY 0.5 HOUR

Students learn about quality literacy experiences through exposure to age-appropriate literacy materials and (modeling or practicing) library habits under the supervision of a literacy expert. Students

evaluate and analyze literacy materials, write activity plans, and create instructional materials that support emerging literacy. A \$20 lab fee is required.

**CHILD DEVELOPMENT 85-1**

Child Development Literacy I

0.5 UNITS (A)

LABORATORY 0.5 HOUR

Students enrolled in Child Development classes who are interested in an Early Literacy Lab experience focus on quality literacy experiences such as exposure to age-appropriate literacy materials and modeling library habits under the supervision of a literacy expert. Students design curricular activities and select quality literature that foster children's language and literacy development.

**CHILD DEVELOPMENT 285**

Directed Study

2 UNITS (CSU)

LECTURE 2 HOURS

Note: A maximum of 3 UNITS in Directed Study may be taken for credit.

Child Development Students pursue Directed Study on a contract basis under the direction of a supervising instructor. Scheduled consultations with the instructor are required.

**CHINESE (CHINESE)****CHINESE 1**

Elementary Chinese I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Advisory: English 28 and 67.

Mandarin Chinese corresponds to the first year of high school Chinese. Pronunciation, grammar, practical vocabulary, and basic facts on the geography, customs and culture of China.

**CHINESE 2**

Elementary Chinese II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Chinese 1 with a satisfactory grade or equivalent.

The student learns and completes the elementary Mandarin Chinese grammar. 180 Chinese characters will be introduced. Continues to introduce Chinese culture and custom of China. Introduces reading and writing of elementary texts.

**CHINESE 3**

Intermediate Chinese I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Chinese 2 with a satisfactory grade or equivalent.

The student learns and reviews grammar with vocabulary building for conversational fluency, written composition and advanced reading.



**CHINESE 4**

Intermediate Chinese II  
5 UNITS (UC: CSU)  
LECTURE 5 HOURS

Prerequisite: Chinese 3 with a satisfactory grade or equivalent.

The Student learns and completes the study of grammar, advanced writing and reading of everyday and literary subjects to study Chinese idiomatic expressions.

**CHINESE 10**

Chinese Civilization  
3 UNITS (UC: CSU)

Advisory: English 28 and 67.

The students learn in English the history, culture, geography, government and institutions of China; the life style and customs of the people; the language, literature, arts, and sciences; the contributions to civilization of the world.

**CHINESE 21**

Fundamentals of Chinese I  
3 UNITS (UC: CSU)

Advisory: English 28 and 67.

LECTURE 3 HOURS

Fundamental course for students without prior exposure to Chinese. Students develop speaking, writing, listening, and reading skills in Chinese at ACTFL novice low, and raise awareness about Chinese culture. Chinese 21 and Chinese 22 is equivalent to Chinese 1.

**CHINESE 22**

Fundamentals of Chinese II  
3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Chinese 21 with a satisfactory grade or equivalent.

Students continue to learn the development of fundamental speaking, writing, listening, and reading skills in Chinese at ACTFL novice mid-level, and are introduced to Chinese culture. Chinese 21 and Chinese 22 is equivalent to Chinese 1. Satisfies Humanities requirement for graduation.

**CINEMA (CINEMA)****CINEMA 1**

Introduction to Motion Picture Production  
3 UNITS (UC: CSU)  
LECTURE 2 HOURS. LABORATORY 2 HOURS

A comprehensive introduction to single camera motion picture production, film/video techniques and equipment. Proper procedures are explained and demonstrated for the use of cameras, lenses, filters, lights, microphones, audio recorders and other motion picture equipment. Attention is also given to production planning, shot composition, editing, mixing and post-production.

Note: This is an equipment techniques and pre-production class. The hands-on production work is done in sister class Cinema 2 (Beginning Motion Picture Workshop) concurrent enrollment is recommended.

**CINEMA 2**

Beginning Motion Picture Workshop  
3 UNITS (UC: CSU)  
LECTURE 1 HOUR. LABORATORY 4 HOURS

Introductory workshop in practical filmmaking. Each Student will be responsible for making several short films in digital video. This course provides an introduction to the theory, terminology and operation of single camera video production, including composition and editing techniques, camera and recorder operation, portable lighting, audio control and basic editing. This course focuses on the aesthetics and fundamentals of storyboarding, producing, directing for location single camera production as well as postproduction and exhibition.

**CINEMA 3**

History of Motion Pictures  
3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Students study the history of the development of motion pictures, with examples, from their beginnings to the present day. Emphasis is placed on the American feature film.

**CINEMA 4**

Reality and Documentary Film History  
3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Students examine the development of films dealing with the truth. Nonfiction films seen and discussed include: historical, animated, propaganda, educational, commercial, personal and participatory, cinema verite and direct cinema. Students will develop critical standards for judging documentary films.

**CINEMA 5**

Introduction to Screenwriting  
3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: Cinema 1, 2, 3, and 4 with satisfactory grades or better.

Students will write two screenplays. Cinema majors will write the scripts for films they will make in Cinema 33.

**CINEMA 6**

Introduction to Cinematography  
3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: Cinema 1, 2, 3, 4, with satisfactory grades or better.

Advisory: Photo 7

An introduction to current fundamentals and tools of cinematography, involving lecture, studio demonstrations, and hands-on training. Foundation skills covered during the course include DSLR, professional digital cinema cameras, lenses and optics, composition, controlling focus, assistant camera training, camera movement, camera operating, exposure tools, filtration, cinematography post-production and lighting. Access to a digital still camera is necessary for assignments.

**CINEMA 7**



**Advanced Cinematography and Creative Techniques**

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: Cinema 6 with a satisfactory grade or better.

An advanced course in creative cinematography covering sophisticated professional equipment and techniques used in the motion picture industry. Emphasis is placed on lighting and current industry standards.

**CINEMA 9****Motion Picture Sound**

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 4 HOURS

Prerequisite: Cinema 1, 2, 3, and 4 with satisfactory grades or better.

Students learn the basics of motion picture production and post production sound. Students use digital audio recorders, microphones and booms and learn how to properly record sound. Students learn to loop and mix sound using a digital audio program.

**CINEMA 9 - 1****Beginning Motion Picture Sound Production**

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Students learn the basics of motion picture production and post-production sound. Hands-on work include the use of digital audio recorders, microphones, fishpoles and booms and audio editing software.

**CINEMA 9-2****Intermediate Motion Picture Sound and Post Production Sound Design**

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: Cinema 9 or 9-1 with satisfactory grades or better.

Intermediate television and cinema Students are introduced to audio production, post-production software and other elements of sound design to create final soundtracks for media productions. This course explores in depth aesthetic concepts and real world audio craftsmanship.

**CINEMA 10****Introduction to Film Directing**

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: Cinema 1,2,3, and 4 with satisfactory grades or better.

The Student is introduced to the crafts of acting and directing for the film medium.

**CINEMA 18****Introduction to Film Genres**

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Students explore the main film genres along with the specific contributions of the major filmmakers in each genre, and the style and practices of studio production, marketing, and distribution. Each class includes the screening of a significant feature-length film that typifies or exemplifies that genre.

**CINEMA 20****Business Aspects of Motion Picture Production**

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Cinema 1, 2, 3, and 4 with satisfactory grades or better.

Student surveys business practices of the motion picture industry including the development, financing, production and distribution of media content. Through individual and group collaboration in a workshop setting, student creates a preproduction business package including a treatment, screenplay, business letter, bio, AD breakdown, production strip board, schedule, budget, storyboards, location sketches, and movie poster. Students work in groups to create and deliver a verbal pitch and presentation for a short film to an industry panel.

**CINEMA 25****Producing Motion Picture Features**

3 UNITS

LECTURE 3 HOURS

Students research and prepare independent motion picture projects. Activities include: developing screenplays, researching state-of-the-art media and business issues, analyzing professional production solutions and creating business plans. Students will learn professional standards for intellectual property, privacy and publicity rights as well as financing, contracts, production issues, capture, distribution formats/outlets and marketing. Students do case studies of contemporary "independent film" projects, including micro-budget films as well as low-budget films.

**CINEMA 32-1****Editing Fundamentals I**

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Cinema 1, 2, 3, and 4 or 18 with satisfactory grades or better.

In this introduction to the art and craft of editing, the student gains storytelling and digital editing skills using the latest nonlinear editing software. The student receives hands-on experience editing various projects and exercises with footage provided to them in class, and applies techniques to learn matching action, screen direction, timing, shot connotation, character, emotion, pacing and rhythm. Student will also edit their own footage and learn how to practically apply various theoretical concepts of editing to create a compelling story. Projects will be reviewed and analyzed in class and the student will gain an understanding and appreciation of editing aesthetics and history.

**CINEMA 32-2****Editing Fundamentals II**

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Cinema 32 or 32-1

The student develops advanced editing techniques and gains practical skills in visual effects, motion graphics, compositing, sound design, color correction, and finishing. The student gains workflow knowledge and explores the entire post-production process through footage provided in class as well as their own footage. Student learns the differences between editing for documentary, dramatic narrative, and genre, as well as the role of the assistant editor. Work will be screened and analyzed in class, and advanced techniques demonstrated and applied.

**CINEMA 33-1**

Digital Video Production Workshop I  
3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 4 HOURS.

Prerequisite: Cinema 1, 2, 3, and 4 with satisfactory grades or better.

Intermediate film and television students produce short video projects using digital video cameras and editing systems.

**CINEMA 33-2**

Digital Video Production Workshop II  
3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 4 HOURS.

Prerequisite: Cinema 33 or 33-1 with satisfactory grades or better.

Intermediate film and television Students will extensively plan, shoot and edit two short or one longer advanced digital video project(s). Special emphasis will be on pre-production planning.

**CINEMA 38-1**

Motion Picture Stage Grip  
3 UNITS

LECTURE 2 HOURS. LABORATORY 2 HOURS.

This is an introductory hands-on course to the fundamental skills and tools necessary to safely work on sets as an entry-level electric on location and in a studio environment. Lectures and demonstrations are followed by hands-on studio exercises.

**CINEMA 38-2**

Motion Picture Stage Electric  
3 UNITS

LECTURE 2 HOURS. LABORATORY 2 HOURS.

This is an introductory hands-on course to the fundamental skills and tools of grip necessary to safely work on set as an entry-level grip on location and in a studio environment. Lectures and demonstrations are followed by hands-on studio exercises.

**CINEMA 185**

Directed Study  
1 UNIT (CSU)

LECTURE 1 HOUR

Prerequisite: Cinema 5 or Cinema 33

The student creates a writing, mentoring or post-production study project as agreed upon by the student and a supervising instructor.

**CINEMA 501**

Media Aesthetics and Design for Film and Digital Media  
3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Advisory: Photo 7 with a satisfactory grade or better.

The student learns the analysis of film and modern visual media, including cinema, television, the internet, advertising, social networking and fine art. The student learns to examine the broad questions of form and content, aesthetics and meaning, and history and culture, exploring the diverse possibilities presented by the cinematic art form through an examination of a wide variety of productions, national cinemas, and film movements. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology and critical analysis. This course is recommended for all cinema and photography majors, and is open to graphic artists as well as the general public.

**CINEMA 911**

Cooperative Education - Cinema  
1 UNIT (CSU)

LECTURE 1 HOUR

Advisory: Cinema 1 with a satisfactory grade or better

Cooperative Education is a work experience course that grants college credit for supervised employment for internships in the field of entertainment. Students will gain on-the-job training, enhance work skills, and career awareness. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in the program.

**CINEMA 921**

Cooperative Education - Cinema  
2 UNITS (CSU)

LECTURE 2 HOURS

Advisory: Cinema 1 with a satisfactory grade.

Students receive work experience that grants college credit for supervised employment for internships in the field of entertainment. Students will gain on the job training, enhance work skills, and career awareness. Completion of at least seven UNITS, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in the program.

**CINEMA 931**

Cooperative Education - Cinema  
3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: Cinema 1 with a satisfactory grade.

Students receive work experience that grants college credit for supervised employment for internships in the field of entertainment. Students will gain on-the-job training, enhance work skills, and career awareness. Completion of at least seven UNITS, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in the program.

**CINEMA 941**

Cooperative Education - Cinema  
4 UNITS (CSU)

LECTURE 4 HOURS

Advisory: Cinema 1 with a satisfactory grade.

Students receive work experience that grants college credit for supervised employment for internships in the field of entertainment. Students will gain on the job training, enhance work skills, and career awareness. Completion of at least seven units, including Cooperative Education, at the end of the semester is required. Students must be employed or volunteering/interning in order to participate in the program.

**COMMUNICATION STUDIES (COMM)****COMMUNICATION STUDIES 60D**

0.25 UNITS

LECTURE 3 HOURS

Prerequisite: : Comm Studies 73 and 60; Corequisites: Comm Studies 76: Advisories ESL 06A and ESL 06B

Students, enrolled in Communication Studies 60D, practice using English as a Second Language. They supplement usage

of the most common words and idiomatic expressions in English. They develop skills applying concepts of intonation and stress while employing accurate pronunciation of blended vowels, consonants and word endings in a speech laboratory setting. This is a level seven laboratory course.

### COMMUNICATION STUDIES 76

English Speech as a Second Language IV

3 UNITS

LECTURE 3 HOURS

Advisory: ESL 6A or 6B

Students accomplish speaking English as a second language fluently during in-class discussions and presentations. They acquire more skills with specific areas of articulation, pronunciation, fluency and oral composition when presenting speeches and conversing in small groups. This is a level seven intensive speech course.

### COMMUNICATION STUDIES 91

Speech Laboratory I

1 UNIT

LABORATORY 3 HOURS

Advisory: Communication Studies 76 or English 28 and 67 or equivalent.

Students learn about their own areas of speech functioning that require intervention such as adjusting respiration, phonation, resonance, articulation and cerebration. Results of an evaluation will become the basis of an educational plan of speech communication exercises. Students also learn the basic procedures for using computer-aided speech exercises and acquire fundamental skills in recording orally read text, analyzing their speech production and re-recording to accomplish mastery of new speech patterns. Students produce these newly acquired patterns with in a speech rate range of 60-89 words per minute and 90% mastery of the assigned speech tasks.

### COMMUNICATION STUDIES 92

Speech Laboratory II

1 UNIT

LABORATORY 3 HOURS

Prerequisite: Communication Studies 91 with a satisfactory grade.

Students learn to differentiate their second set of speech functioning areas that require intervention based on the results of a second level evaluation. Students use computer-aided speech exercises and acquire mastery of more complex speech patterns by recording and analyzing their speech production followed by re-recording it. Students produce these newly acquired patterns within a speech rate range of 90-119 words per minute and 90% mastery of the assigned speech tasks.

### COMMUNICATION STUDIES 93

Speech Laboratory III

1 UNIT

LABORATORY 3 HOURS

Prerequisite: Communication Studies 92 with a satisfactory grade.

Students learn to assimilate the prior two levels in this third set of speech functioning areas that require intervention based on the results of a third level evaluation. Students use computer-aided

speech exercises and conversational practice dialogues to apply complex integrated speech tasks. Recording and analyzing their speech production followed by re-recording to accomplish mastery of the third level of new speech patterns is also followed by small group guided conversational dialogues. Students produce the integrated speech patterns within a speech rate range of 120-149 words per minute and 90% mastery of the assigned speech tasks.

### COMMUNICATION STUDIES 94

Speech Laboratory IV

1 UNIT

LABORATORY 3 HOURS

Prerequisite: Communication Studies 93 with a satisfactory grade.

Students learn to generalize and habituate the prior three levels of speech functioning areas that have required intervention based on the results of a fourth level evaluation. Students utilize the prior learned technology and computer-aided speech exercises and conversational practice dialogues/feedback strategies transfer these skills for presenting short researched topics while applying the complex integrated speech tasks. Students produce the integrated speech patterns within a presentation speech rate range of 150-185+ words per minute and 90% mastery of the assigned speech tasks.

### COMMUNICATION STUDIES 100

Introduction to Communication Studies

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101 or equivalent.

Students will explore the basic concepts of human communication as an academic field of study including history, assumptions, principles, processes, variables, methods and specializations. Students will examine issues relevant to the systematic inquiry and pursuit of knowledge about human communication. Students will analyze basic concepts of communication and the skills necessary to communicate in various contexts.

### COMMUNICATION STUDIES 101

Public Speaking

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101 or equivalent

Students study the theory and techniques of public speaking in a democratic society. Students will apply rhetorical principles to topic selection and audience analysis, research and reasoning of information, speech composition and outlining, presentation aids and delivery, and listening and evaluation of public discourse. Students practice effective communicative strategies for various types of original speeches including informative and persuasive speeches. Focus will be on developing credibility as a speaker and demonstrating confidence before an audience. This course meets AA degree and transfer requirements in oral communication

### COMMUNICATION STUDIES 104

Argumentation and Debate

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101

Students explore methods of critical inquiry, advocacy and argumentation. Students will analyze, present and evaluate oral

and written arguments, understand inductive and deductive reasoning, identify formal and informal fallacies in reasoning and language, test evidence and evidence sources, advance a reasoned position, and defend and refute arguments orally and in writing. This course meets AA degree and transfer requirements.

### **COMMUNICATION STUDIES 105**

Critical Thinking

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101

Principles of argumentation and critical thinking. Instruction In This course is designed to allow Students an understanding of Communication Studies and critical methodology; analysis and evaluation of political, marketplace and social communication; structure of argument; analysis of assumptions, evidence, language, formal and informal fallacies; techniques of creating effective and sound arguments.

### **COMMUNICATION STUDIES 106**

Forensics

2 UNITS (CSU)

LABORATORY 7 HOURS

Advisory: Communication Studies 101 or 104 or 130

Students participate in competitive speaking in public address, interpretation and/or debate as part of the LACC Forensics Team. Students develop the skills to research and prepare for intercollegiate forensics tournaments outside of regularly scheduled class hours. Students practice effective verbal and nonverbal communicative techniques, develop speaker credibility, and demonstrate confidence before an audience. This course is repeatable up to three times and meets AA degree requirements.

### **COMMUNICATION STUDIES 111**

Voice and Articulation

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or Communication Studies 76

Students study methods of voice development and demonstrate improved speech production. Focus will be on the respiration process, phonation, resonance, and articulation and their coordination in pronunciation and effective vocal expression. Students practice accuracy of sound production for Standard American English through use of the International Phonetic Alphabet. This course is suited for any major or career where speaking clearly is a requirement.

### **COMMUNICATION STUDIES 121**

Interpersonal Communication

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or Communication Studies 76.

Students explore communication in a variety of interpersonal relationships. Students will study communication behaviors in dyads (pairs) and their impact on personal and professional relationships, developing effective communication skills in areas such as verbal and nonverbal communication, listening, emotional intelligence, and conflict management. This course meets AA degree and transfer requirements.

### **COMMUNICATION STUDIES 122**

Intercultural Communication

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: Communication Studies 121 or English 101

Students analyze dynamics of culture within a variety of communication contexts. Students will explore cultural worldviews and values, verbal and nonverbal communication styles, and barriers to intercultural communication. Focus will be on recognizing and appreciating cultural differences and improving intercultural communication competence for more effective interactions with others in a diverse society. This course meets AA degree and transfer requirements.

### **COMMUNICATION STUDIES 130**

Introduction to Oral Interpretation of Literature

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Students study the theory, principles, and techniques of oral interpretation of literature. Texts include prose, poetry, drama, and other forms of performance text drawn from a diverse range of cultural viewpoints and voices. Students will focus on selection, analysis, editing, performance, and evaluation; developing an appreciation for and an understanding of oral interpretation as a communication medium. This course meets AA degree and transfer requirements.

### **COMMUNICATION STUDIES 151**

Small Group Communication

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students study the theory, principles, application and evaluation of group communication processes. Students learn effective problem-solving, decision-making, and conflict management techniques, including the development of individual leadership skills. Focus will be on collaborative learning that can be achieved by responsible group participation. This course meets AA degree and transfer requirements.

### **COMMUNICATION STUDIES 190**

Communication and New Media

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101

This course introduces computer-mediated communication. Students examine how the Internet, specifically popular culture, social media, websites, blogs, YouTube, and social networks, have reshaped communication practices. The course offers an overview of relevant theories and critical issues while providing Students with the opportunity to apply communication skills using new media.

### **COMMUNICATION STUDIES 185**

Directed Study

1 UNIT (CSU) (RPT 2)

Students independently pursue research of specific topics in Communication Studies as a directed study on a contract basis under the direction of a supervising instructor.

**COMMUNICATION STUDIES 285****DIRECTED STUDY**

2 UNITS (CSU)

Students independently pursue research of specific topics in Communication Studies as a directed study on a contract basis under the direction of a supervising instructor.

**COMMUNICATION STUDIES 385****DIRECTED STUDY**

3 UNITS (CSU)

Prerequisite: 2.5 grade point average and at least 6 units of transferable courses COMM 101, 102, 104, 121 and approval of the project.

Students independently pursue research of specific topics in Communication Studies as a directed study on a contract basis under the direction of a supervising instructor. Refer to the "Directed Study" section of this catalog for additional information. Credit Limit: A maximum of 3 units in Directed Study may be taken for credit

**COMPUTER SCIENCE (CO SCI)****CO SCI 101****Introduction to Computers and Their Uses**

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Credit not allowed if Student has credit for CO SC/103.

Students receive instruction in computer hardware, software, terminology, ethics, and social impact, plus an overview of operating systems, word processing, spreadsheets, database management systems, and telecommunications and networks. A general computer literacy course open to all students.

**CO SCI 103****Introduction to Computer Systems for MIS**

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Students receive an introduction to computers for a one-semester transfer course or for certificates or a degree in CSIT. Topics include computers, programming and systems design, programming languages and flowcharting. Laboratory includes word processing, spreadsheets, database concepts and extensive programming in Visual BASIC.

**CO SCI 104****Mathematics for Programmers**

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: CO SCI 103 or equivalent.

The student develops mathematical reasoning and general problem-solving skills using topics from Binary Arithmetic including Two's complement, Octal and Hexadecimal numbers. Boolean Logic, Venn Diagrams, Truth tables and set theory, relations and functions, Color sets.

**CO SCI 107****Programming Logic**

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: CO SCI 103 with a satisfactory grade or better or equivalent.

The Student develops program design skills and general problem solving skills by applying structured programming techniques to program specifications and already written programs. The Student learns to write program designs and documentation from descriptions of programs and from the analysis of already written programs

**CO SCI 108****Beginning Visual Basic Programming**

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: CO SCI 101 with a satisfactory grade or better or equivalent.

The student learns program language terminology, the syntax and semantics of an event-driven, object-oriented program language, how to solve problems from descriptions of the problem in English and how to translate problem solution descriptions to Visual Basic.

**CO SCI 117****Beginning Microcomputer Assembly Language Programming**

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Prerequisite: CO SCI 139 or 141

The student learns about organization and operation of real computer systems at the assembly-language level; mapping statements and constructs in a high-level language onto sequences of machine instructions as well as the internal representations of simple data types and structures; investigates basic principles of operating systems and programming language translation process; the various data representation errors and potential procedural errors.

**CO SCI 121****Android Apps Inventor**

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Students will learn programming through the use of 'App Inventor' to develop mobile applications for the Android operating system.

**CO SCI 122****Mobile Application Development - iOS**

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Prerequisite: CO SCI 139 with a satisfactory grade or better or equivalent.

Students learn the art and practice of mobile application development for the Apple iOS operating system through the use of X-code IDE and Swift.



**CO SCI 123**

## Mobile Application Development - Android

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Prerequisite: CO SCI 141 with a satisfactory grade or better or equivalent.

Students learn the art and practice of mobile application development for the Android operating system using Software Development Kit (SDK).

**CO SCI 124**

## Python Programming

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Prerequisite: CO SCI 103 or 108 with a satisfactory grade or better or equivalent.

Students will learn topics of the Python language such as data types, variables, control structures, Python Objects and Oriented Design, standard and advanced mathematical libraries, tool-chain use and Python Frameworks, user-defined classes and abstract collections, single and multidimensional arrays, Python lists, tuple, collections, and dictionaries.

**CO SCI 133**

## Micro Database Programming

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

The students learn the essential principles and concepts of microcomputer database environment. A comprehensive examination of the functions of a database command language is included.

**CO SCI 134**

## Operating Systems

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: CO SCI 101 with a satisfactory grade or better or equivalent.

The student gains knowledge and skills necessary to install, plan and maintain a Windows 7, one of the four core required courses of Microsoft Windows Certified Systems Engineer (MCSE), and prepares students for the related Microsoft exam.

**CO SCI 136**

## Introduction to Data Structures

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: CO SCI 138 or 139 or 141.

The student learns to apply complex data structures to the design of solutions to programming problems. The student learns to incorporate arrays, stacks, queues, dequeues, trees and graphs in the design of programs with the highly desirable result that the programs produced thereby are more data driven, more object oriented and more easily modified than designs that rely primarily on passing data among functions.

**CO SCI 138**

## Advanced Visual Basic Programming

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: CO SCI 103 or 108 or equivalent.

An advanced programming course in the Visual Basic .Net programming language with objects, classes, exception handling, GUI, DBMS, SQL, ASP.NET, Data Structures, and Recursion.

**CO SCI 139**

## C++ Programming I

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: CO SCI 103 with satisfactory grades or better.

The student learns all CS1 topics including Problem Analysis and Program Design, Simple Data Types, Streams and File I/O, Control Structures, Functions, Arrays, and Strings, emphasizing procedural programming with C++.

**CO SCI 140**

## C++ Programming II

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: CO SCI 139 with a satisfactory grade or better or equivalent.

Student learns Object-Oriented and advanced programming with C++ including Classes, Data Abstractions, Inheritance, Composition, Virtual Functions, Operators & Functions Overloading, Templates, Exception Handling, Recursion, Pointers, Dynamic Data Types, and Linked Lists.

**CO SCI 141**

## Programming in JAVA

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: CO SCI 103 and 141 with a satisfactory grade or better or equivalent.

Students learn the basics of procedural programming, plus the concepts of Object Oriented Programming.

**CO SCI 142**

## Advanced JAVA

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: CO SCI103 and 141 with a satisfactory grade or better or equivalent.

The student learns about: UML, MultiThreading, Networking, Exception handling, Recursion, Files & Streams, JDBC, RMI, Inheritance, Polymorphism. This course is a sequel to CS141. This course will prepare a student to sit for the - Sun Certified JAVA Programmer - industry certification exam.

**CO SCI 148**

## Advanced Spreadsheet Applications

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: CO SCI 101 or 103 with a satisfactory grade or better or equivalent.

Students receive guidance in advanced spreadsheet operations, including nested functions, data tables, exporting/



importing data, what-if-analysis, macro development, macro, logic, printing enhancements and spreadsheet systems development.

**CO SCI 151**

Adobe Dreamweaver I

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 1 HOUR

Prerequisite: CO SCI 108 with a satisfactory grade or better or equivalent.

The student receives an extensive practical and theoretical framework for using Adobe's Dreamweaver to develop web sites, including enhancements for web page layout, coding, and Webmaster-user interactivity; server - and client-side scripting.

**CO SCI152**

Adobe Flash

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS.

Prerequisite: CO SCI 151 with a satisfactory grade or better or equivalent.

Students learn Macromedia's Flash; a state-of-the-art Web animation software for creating highly-compact, vector-based content for transmission over the Internet. Topics presented include introduction to ActionScript, Event Handlers, objects and Dynamic Data.

**CO SCI158**

Hyper-Text Markup Language (HTML)

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: CO SCI 101 with a satisfactory grade or better or equivalent.

The student learns basic internet concepts and technologies. The student learns to develop web sites by applying concepts like tables, layers, cascading styles sheets, frame sets, image maps, lists, forms, and dynamic content using basic JavaScript.

**CO SCI 159**

Web Projects

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: CO SCI 158 and 161 with a satisfactory grade or better or equivalent. Advisory: Co Sci 139 or Co Sci 141

Students learn about web development using current technology. Topics include NOSQL database, JavaScript and JSON, developing single page application using Angular and using express to handle web page routing. This will be exemplified using the MEAN stack and students will create a meaningful capstone project. Creating web sites and apps for mobile devices using Bootstrap and ionic framework will also be covered.

**CO SCI 162**

ADVANCED JAVASCRIPT PROGRAMMING

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: CO SCI 158 with a satisfactory grade or better or equivalent.

Advisory: CO SCI 141 and 139.

This course teaches web page development with JavaScript. This course reviews introductory JavaScript language features. This

course also covers advanced topics including object-oriented programming, the Document Object Model (DOM), touch and mobile interfaces. It also teaches how to use regular expressions, closures, callbacks, namespaces, and the module pattern. Introduces JSON to transmit and store data.

**CO SCI 166**

Discrete Structures with Applications

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: Math 125 and CO SCI 104 with a satisfactory grade or better or equivalent.

Co-requisite: CO SCI 141 or 139

This course is an introduction to the discrete structures used in Computer Science with an emphasis on their applications. Topics covered include: functions, relations and sets, basic logic, proof techniques, basics of counting, graphs, trees, and discrete probability.

**CO SCI 185**

Directed Study - Co Sci

1 UNIT (RPT 2) (CSU)

LECTURE 1 HOUR

Computer science Students will pursue on their own an in-depth study of a subject of special interest in the field of computer science topic(s). Consultation with the instructor on a weekly basis, plus independent work is required.

**CO SCI 186**

Introduction to Oracle: SQL and PUSQL

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

The Student learns the concepts of both relational and object relational databases and the SQL language. Students learn about data server technology and how to create and maintain database objects and how to store, retrieve, and manipulate data.

**CO SCI 187**

Oracle DBA (Database Administration) Part 1A: Architecture and Administration

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: CO SCI 186 with a satisfactory grade or better or equivalent.

The Student receives a firm foundation in basic administrative tasks and the necessary knowledge and skills to set up, maintain, and troubleshoot an oracle database. The Students learn to use an administration tool to startup and shutdown a database, manage file and database storage, and manage users and their privileges.

**CO SCI 188**

Oracle DBA (Database Administration) Part 1B: Backup and Recovery

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: CO SCI 187 with a satisfactory grade or better or equivalent.

This course focuses on planning and implementing database backup and recovery strategies. The class addresses backup and recovery techniques and examines various database backup, failure, restore

and recovery scenarios. In hands-on exercises, Students examine backup methodologies based on mission critical requirements of business enterprises.

### CO SCI 198

PLISQL Programming For Oracle

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: CO SCI 186 with a satisfactory grade or better or equivalent.

The Student learns the Oracle PLISQL language which provides for programming logic features not contained within SQL. Also, the grammar, syntax and benefits of using the PLISQL language within an Oracle database environment are considered. The student creates and manages user-defined packages and Oracle supplied packages, plus creating functions and procedures to encapsulate business functionality. The skills to take an Oracle Developer Certification are provided.

### CO SCI 285

Directed Study - Computer Science Information Technology

2 UNITS (CSU)

LECTURE 2 HOURS

Computer science students can pursue on their own an in-depth study of a subject of special interest in the field of Computer Science topic(s). Consultation with the instructor on a weekly basis, plus independent work is required.

## COMPUTER TECHNOLOGY (CO TECH)

### COMPUTER TECHNOLOGY 1

Introduction to Computer for Technicians

3 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Advisory: English 28 and 6 7. No UC credit if taken after Spring 1994.

In this first course in the computer technology major Students learn the physical aspects of computer hardware and low level programming.

### COMPUTER TECHNOLOGY 2

Introduction to Electronics

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Students learn the basic concepts of electricity and applications of simple electronic components through introduction to the technological implications of electronics. The laboratory emphasizes skills in bread boarding and soldering and hands-on exposure to basic electronic principles.

### COMPUTER TECHNOLOGY 4

Introduction to Computer Networks

4 UNITS

LECTURE 3 HOURS. LABORATORY 3 HOURS

The Students gain basic understanding of networking technologies, the OSI model, methods of signaling and encoding, interfaces, modems, and transmission media; and examine the most important protocols involved in moving data over a communication network.

### COMPUTER TECHNOLOGY 5

Fundamentals of Electronics I

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Students learn the concepts of direct current circuits, including basics of electricity, series and parallel circuits, meters, batteries, resistors, and magnetism. The laboratory emphasizes skills in the analysis of circuits and the use of test equipment.

### COMPUTER TECHNOLOGY 6

Fundamentals of Electronics II

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

The student receives a detailed study of alternating current theory and applications, including reactance, impedance, resonance, transformers, coupling, filters, bandpass, and time constants. The laboratory emphasizes skills in the use of test equipment in AC circuits.

### COMPUTER TECHNOLOGY 7

Electronics Devices

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

The student learns the nature and operation of solid state devices including diodes, transistors, and field effect devices. Includes simple circuit applications.

### COMPUTER TECHNOLOGY 12

Introduction to Computer Hardware

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Students learn technology of computer hardware such as microprocessor, RAM, BIOS/CMOS, motherboard, power supply, HDD, FDD, CD, DVD, video, sound, and printer; how these form a working system; and simple troubleshooting of PC systems. This course is one of two courses on the computer hardware and operation to prepare Students for CompTIA A+ certification exam.

### COMPUTER TECHNOLOGY 14

A-Plus Certification Preparation

4 UNITS

LECTURE 3 HOURS. LABORATORY 3 HOURS

Students learn technology of Microsoft Windows operating systems, troubleshooting and maintenance of Windows, essentials of computer security, networking, Internet, and features of portable computers and mobile devices. This course is one of two courses on the computer hardware and operation to prepare students for CompTIA A+ certification exam.

### COMPUTER TECHNOLOGY 15

NET-Plus Certification Preparation

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: Computer Technology 4 with a satisfactory grade.

The students gain in-depth understanding of networking technologies and learn skills necessary to install, configure, and operate local and wide-area networks. They become prepared for the CompTIA Network+ certification exam.

**COMPUTER TECHNOLOGY 16**

Security+ Certification Preparation

4 UNITS

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisite: Co Tech 4

Students learn concepts of computer and network-security and gain skills necessary to apply knowledge of security concepts, tools, and procedures to react to security incidents, and guard against the security risks. At the end of the course Students are prepared for the CompTIA Security+ certification exam.

**COMPUTER TECHNOLOGY 17**

Healthcare IT Technician Certification Preparation

3 UNITS

LECTURE 2 HOURS. LABORATORY 2 HOURS

Students learn concepts of Healthcare IT systems and gain skills necessary to apply knowledge to implement, deploy, and support IT systems in the healthcare field. Students will also learn the concepts of code of conduct policies and security best practices in medical facilities in order to support Electronic Health Records (EHR) systems. At the end of the course, Students are prepared to take the CompTIA Healthcare IT Technician certification exam.

**COMPUTER TECHNOLOGY 18**

LINUX+ Certification Preparation

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

This course introduces the Linux Operating System for the standard PC as outlined by CompTIA in order to prepare students for Linux + Certification. Topics include installation and configuration of the Linux operating system, GNU and Unix commands, file systems, scripting, GUI's, system services, network fundamentals and essential troubleshooting techniques for operating systems and networks. Students will develop Linux administrative skills by creating and editing user groups, auditing system files, determining port status on a system, developing password protocols, and determining limits on user logins, processes and memory usage.

**COMPUTER TECHNOLOGY 19**

Mobility+ Certification Preparation

2 UNITS

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Students learn concepts of mobile device and WiFi technologies and gain skills necessary to apply knowledge of mobile, WiFi, Bring Your Own Device (BYOD), and Internet of Things (IoT) infrastructure and security concepts, to react to security incidents and guard against security risks. At the end of the course students are prepared for the CompTIA Mobility+ certification exam.

**COMPUTER TECHNOLOGY 20**

Computer Logic and Arithmetic

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisites: Electronics 4 and Electronics 10.

Students learn the essential number and logic theory upon which digital computers today are based, including principles and applications of logic devices used in digital systems, number systems, boolean algebra, logic and truth tables, logic gates, and bistable devices.

**COMPUTER TECHNOLOGY 25**

Cloud+ Certification Preparation

2 UNITS

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Students learn concepts of IT cloud computing infrastructure and systems and gain skills necessary to apply knowledge to implement, deploy, and support; configuration, optimization, services and virtualization in the cloud environment. Students will learn concepts of cloud computing for both the enterprise and SoHo environments. At the end of the course, students are prepared to take the CompTIA Cloud+ certification exam.

**COMPUTER TECHNOLOGY 29**

Introduction to Computer Forensics

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

This course introduces the concept of Computer Forensics and how forensic techniques are used in the investigative process. Topics covered in this course include the analytical and investigative techniques to identify, collect, examine and preserve evidence/information which is magnetically stored or encoded. Also covered is the recovery, analysis, and presentation of computer-based information in a way that ensures the integrity and security of data so that it can be used as evidence in a court of law.

**COMPUTER TECHNOLOGY 30**

Introduction to Microprocessors

4 UNITS

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisite: Computer Technology 20 with a satisfactory grade. Co-requisite: Computer Technology 36.

Advisory: Electronics 8.

Students receive a survey of various microprocessor devices with an in-depth analysis of a selected microprocessor. Emphasis is placed on the architecture, instruction set, I/O interfacing, and typical applications of selected devices.

**COMPUTER TECHNOLOGY 31**

Introduction to Ethical Hacking

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

This course introduces the concept of ethical hacking and systems defense. Topics covered include security concepts, tools, and procedures in evaluating environments to identify, exploit report and recommend corrective actions to be taken in respect to threats and vulnerabilities. This course is designed for students who wish to pursue certifications in the certified systems defense fields, including Certified Ethical Hacker (CEH).

**COMPUTER TECHNOLOGY 36**

Digital Devices and Circuits

4 UNITS

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisite: Computer Technology 20 with a satisfactory grade. Advisory: Electronics 8.

Students learn about digital integrated circuit devices such as registers, counters, encoder/decoders, multiplexer/demultiplexers, memory devices, and programmable logic arrays. Laboratory emphasizes use of dual-trace oscilloscope.

**COOPERATIVE EDUCATION (COOP ED)****COOPERATIVE EDUCATION 195**

Work Experience - General I  
1 UNIT (RPT 1) (CSU)  
LECTURE 1 HOUR

Students receive college credit for supervised employment intended to assist Students in acquiring desirable work habits, attitudes and career awareness. Topics include preparing for the changing job market, writing applications and resumes, communication skills, and awareness of on-the job relations with other employees, supervisors, and the general public. The work experience need not be related to the student's educational goals. Students must work 75 paid hours or 60 volunteer hours during the semester.

**COOP ED 196**

Work Experience - General II

Students receive credit for an approved internship with an employer in a field that is not their college major.

**COOPERATIVE EDUCATION 295**

Work Experience - General II  
2 UNITS (RPT 2) (CSU)  
LECTURE 2 HOURS

Students receive supervised employment intended to assist them in acquiring desirable work habits, attitudes and career awareness. Topics include preparing for the changing job market, writing applications and resumes, communication skills, and awareness of on-the-job relations with other employees, supervisors, and the general public. The work experience need not be related to the student's educational goals. Students must work 150 paid hours or 120 volunteer hours during the semester.

**COOP ED 296**

Work Experience II

**COOPERATIVE EDUCATION 395**

Work Experience - General I  
3 UNITS (RPT 3) (CSU)  
LECTURE 3 HOURS

Students receive credit for an approved internship with an employer in a field that is not their college major.

**COOP ED 396**

Work Experience II

Students receive credit for an approved internship with an employer in a field that is not their college major.

**CORRECTIONS (CORR)****CORRECTIONS 1**

Introduction to Corrections  
3 UNITS (CSU)  
LECTURE 3 HOURS

The Student learns a history and critical analysis of punishment, the various types of punishment, alternatives to punishment, and the impact of punishment on the Criminal Justice System, corrections, a critical examination of the types of correctional institutions and the clients housed in each institution, and an examination of contemporary correctional issues.

**COUNSELING (COUNSEL)****COUNSELING 20**

Post-Secondary Education: the Scope of Career Planning  
3 UNIT (CSU)  
LECTURE 3 HOURS

Advisory: Eligibility for English 28

This course is designed for students who are undecided about their career and/or educational goals. It is a hands on and interactive career planning process that includes the following topics: Self-exploration, clarification on values, interest and skills analysis, researching career options, interviewing skills, decision making, and goal setting process. Counselors will assist students in creating an educational plan based on major and career goals to be included in the final portfolio.

**COUNSELING 40**

College Success Seminar  
3 UNIT (UC: CSU)  
LECTURE 3 HOURS

Advisory: Eligibility for English 28 and 67 or equivalent.

This course will explore issues related to higher education that impact Student success. Topics will include an overview of academic success skills, value and purpose of higher education. Los Angeles City College and Los Angeles Community College District policies and procedures, ethics and responsibility, diversity in higher education, learning strategies and educational planning, interpersonal communication, career development, health issues, and self-assessment techniques.

**COUNSELING 40A**

College Success Seminar  
1 UNIT (UC: CSU)  
LECTURE 1 HOUR

Advisory: Eligibility for English 28

Students explore issues related to higher education that contribute to student success. Topics include an overview of orientation to higher education; Los Angeles City College and Los Angeles Community College District policies and procedures, ethics in higher education; college resources; general education, certificates, graduation and transfer requirements.

**COUNSELING 40B**

College Success Seminar  
1 UNIT (UC: CSU)  
LECTURE 1 HOUR

Advisory: Eligibility for English 28

Students explore issues related to higher education that impact student success including personal values, goal and decision making, time/task management and academic success skills, which include study-groups, effective reading, memorizing, note-taking, and test-taking techniques.

**COUNSELING 40C**

College Success Seminar

1 UNIT (UC: CSU)

LECTURE 1 HOUR

Advisory: Eligibility for English 28

Students explore issues related to higher education that impact student success. Topics include career exploration, educational planning, learning preferences and theory, diversity, health issues and interpersonal communication.

**DANCES SPECIALTIES (DNCEPC)****DANCE SPECIALTIES 311 (FORMERLY DNCEPC 459)**

Flamenco and Spanish Dance

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students learn basic flamenco and Spanish dance with an emphasis on correct posture, individual steps, arm movements, terminology, various rhythms, and basic step combinations.

**DANCE SPECIALTIES 311**

Flamenco and Spanish Dance

1 UNIT (UC: CSU)

Students learn basic flamenco and Spanish dance with an emphasis on correct posture, individual steps, arm movements, terminology, various rhythms, and basic step combinations.

**DANCE SPECIALTIES 312**

Flamenco and Spanish Dance II

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students learn intermediate level flamenco and Spanish dance skills with an emphasis on correct posture, individual steps, arm movements, terminology, various rhythms and step combinations.

**DANCE SPECIALTIES 321**

Social Dance Techniques I

1 UNIT (UC: CSU)

Students learn basic social dance steps and combinations, terminology, music and appreciation of dance as an art form.

**DANCE SPECIALTIES 331 (FORMERLY DNCEPC 446)**

Tap Dance Techniques I

1 UNIT (UC: CSU)

Students learn basic tap dance steps and combinations, terminology, music, and appreciation of dance as an art form.

**DANCE STUDIES (DANCEST)****DANCE STUDIES 185**

Directed Study - Dance

1 UNIT (CSU)

LECTURE 1 HOUR

Students pursue directed study in Dance on a contractual basis under the direction of a supervising instructor. Refer to the 'Directed Study Dance' section in the catalog for additional information. Consent of instructor.

**DANCE STUDIES 301**

Introduction to Choreography I

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Dance Technique 111 or 121 or 141

Students choreograph and perform dances with emphasis on energy space and time using basic steps and combinations, spacing, design, terminology, and music. Students learn an appreciation of dance as a performing art form.

**DANCE STUDIES 302**

Introduction to Choreography II

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Dance Studies 301

Students choreograph and perform dances with a minimum of 2 people with emphasis on basic steps and combinations, spacing, design, terminology, music, and appreciation of dance as a performing art form.

**DANCE STUDIES 303**

Introduction to Choreography III

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Dance Studies 302

Students choreograph and perform dances using at least 3 people or more with an emphasis on clear intention of dance, energy, space, and time, using basic, intermediate, or advanced steps and combinations, design, proper terminology, music, internal or external rhythms, themes and variations in dynamics, contrasts and direction. Students develop a greater appreciation and understanding of the tools necessary to create the dance as a performing art form.

**DANCE STUDIES 304**

Introduction to Choreography IV

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Dance Studies 303

Students choreograph and perform dances for 4 or more people with emphasis on more advanced phrasing of movement combination spacing, design, terminology, music, an appreciation of dance as a performing art form and develop an ability to view dance critically.

**DANCE STUDIES 805**

History and Appreciation of Dance

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Students analyze dynamics of culture within a variety of communication contexts. Students will explore cultural worldviews and values, verbal and nonverbal communication styles, and barriers to intercultural communication. Focus will be on recognizing and appreciating cultural differences and improving intercultural communication competence for more effective interactions with others in a diverse society. This course meets AA degree and transfer requirements.



**DANCE STUDIES 814**

Dance Production I

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS

Prerequisites: DanceST 301 or 822

Advisory: DANCEST 111, 121, or 141 and English 28 and 67.

Students learn methods and techniques involved in producing a dance concert: including choreographic applications, rehearsal management, scheduling, lighting, costuming, publicity, audition and performance skills, dance critique and assessment. Students develop the skills necessary to direct, choreograph and produce dance pieces for a variety of audiences. Involves rehearsing dancers and production duties for non-dancers.

**DANCE STUDIES 822**

Dance Rehearsals and Performances I

3 UNITS (UC: CSU)

LABORATORY 2 HOURS

Advisory: DANCEST 111, 121, 141, 311, 321, or 331; and English 28 and 67.

Students utilize their technical dance knowledge to develop an understanding of dance as a performing art. Students participate as performers in the student dance concert.

**DANCE TECHNIQUES (DANCETQ)****DANCE TECHNIQUES 111 (FORMERLY DANCE 434)**

Ballet Techniques I

1 UNIT (UC: CSU)

LABORATORY 1 HOUR

Students learn basic Ballet steps and combinations at an introductory level, terminology, music, and appreciation of dance as a performing art.

**DANCE TECHNIQUES 112**

Ballet Techniques II

1 UNIT (UC: CSU)

LABORATORY 1 HOUR

Prerequisite: Dance Techniques 111

Students continue to learn basic Ballet steps and combinations, terminology, music, and appreciation of dance as a performing art.

**DANCE TECHNIQUES 113**

Ballet Techniques III

1 UNIT (UC: CSU)

LABORATORY 1 HOUR

Prerequisite: Dance Techniques 112

Students learn more complex Ballet steps and combinations, terminology, music, and appreciation of dance as a performing art.

**DANCE TECHNIQUES 114**

Ballet Techniques IV

1 UNIT (UC: CSU)

LABORATORY 1 HOUR

Prerequisite: Dance Techniques 113

Students perform several Ballet combinations with an emphasis on basic steps and combinations, terminology, music, and appreciation of dance as a performing art form.

**DANCE TECHNIQUES 121 (FORMERLY DANCE 437)**

Jazz Dance Techniques I

1 UNIT (UC: CSU)

Students learn beginning jazz dance technique with an emphasis on basic steps, combinations, terminology, music, and appreciation of dance as a performing art form.

**DANCE TECHNIQUES 122**

Jazz Dance Techniques II

1 UNIT (UC: CSU)

Prerequisite: Dance Techniques 121

Students learn elementary jazz dance technique with an emphasis on basic elementary level steps, combinations, terminology, music, and appreciation of dance as a performing art form.

**DANCE TECHNIQUES 123**

Jazz Dance Techniques III

1 UNIT (UC: CSU)

Prerequisite: Dance Techniques 122

Students learn intermediate jazz dance technique with an emphasis on intermediate level steps, combinations, terminology, music, and appreciation of dance as a performing art form.

**DANCE TECHNIQUES 124**

Jazz Dance Techniques IV

1 UNIT (UC: CSU)

Prerequisite: Dance Techniques 123

Students learn advanced jazz dance technique with an emphasis on advanced level steps, combinations, terminology, music, and appreciation of dance as a performing art form.

**DANCE TECHNIQUES 141 (FORMERLY DANCE 431)**

Modern Dance Techniques I

1 UNIT (UC: CSU)

Students learn basic Modern Dance steps and combinations, terminology, music, and appreciation of dance as a performing art.

**DANCE TECHNIQUES 142**

Modern Dance Techniques II

1 UNIT (UC: CSU)

Prerequisite: Dance Techniques 141

Students learn basic Modern Dance steps and combinations, terminology, music, and appreciation of dance as a performing art.

**DANCE TECHNIQUES 143**

Modern Dance Techniques III

1 UNIT (UC: CSU)

Prerequisite: Dance Techniques 142

Students perform modern dance combinations with an emphasis on steps and combinations of greater complexity and duration, partnering, terminology, music, and appreciation of dance as a performing art.

**DANCE TECHNIQUES 144**

Modern Dance Techniques IV

1 UNIT (UC: CSU)

Prerequisite: Dance Techniques 143

Students perform advanced level modern dance combinations with an emphasis on complexity in dance technique, rhythmic

phrasing, duel and multi-partner weight sharing in all level dance phrases, clarity of detail and body connectivity. Students refine techniques of personal artistry, musicality, and performance and display deeper understanding and appreciation of dance as a performing art form.

#### **DANCE TECHNIQUES 221 (FORMARLY PHY ED 225)**

Yoga Skills I

1 UNIT (UC: CSU)

Students learn the beginning level physical practice of Yoga, connecting body ,mind and spirit. The Students are introduced to its origins, asanas (positions) and terminology

#### **DANCE TECHNIQUES 222**

Yoga Skills II

1 UNIT (UC: CSU)

Prerequisite: Dance Techniques 221

Students learn the physical practice of Yoga, connecting body, mind and spirit. The Students are introduced to its origins, asanas (positions) and terminology.

#### **DANCE TECHNIQUES 223**

Yoga Skills III

1 UNIT (UC: CSU)

Prerequisite: Dance Techniques 222

Intermediate-level Students deepen their understanding and strengthen their physical practice of Yoga, connecting body, mind and spirit. Students perform harder positions, longer flow/ vinyasa sequences, maintain balance and inversion postures for extended periods and gain greater knowledge of the philosophical principles of the Yoga system.

#### **DANCE TECHNIQUES 224**

Yoga Skills IV

1 UNIT (UC: CSU)

Prerequisite: Dance Techniques 223

Advanced-level Students intensify their understanding and performance of Yoga asanas, develop a personal practice, and apply knowledge of the philosophical principles of the Yoga system to real life. Connecting body, mind and spirit, Students perform challenging positions, in (sanding/seated inversions) and extended flow/vinyasa sequences.

#### **DANCE TECHNIQUES 241 (FORMERLY DANCE 400)**

Stress Management Techniques Through Dance and Movement I

1 UNIT (UC: CSU)

Students learn techniques for managing stress through movement, dance therapy, dance meditation, authentic movement studies, breathing exercises, yoga , physical therapy and varied relaxation exercises.

#### **DANCE TECHNIQUES 242**

Stress Management Techniques Through Dance and Movement

1 UNIT (UC: CSU)

Prerequisite: Dance Techniques 241 or Kinesiology 249

Students learn techniques for managing stress through movement, dance therapy, dance meditation, authentic movement studies, breathing exercises, yoga, physical therapy and varied relaxation exercises.

## **DENTAL TECHNOLOGY (DEN TEK)**

#### **DENTAL TECHNOLOGY 100**

Introduction to the Dental Laboratory

2 UNITS (A)

LECTURE 1 HOUR. LABORATORY 3 HOURS

Students learn an introduction to the modern dental laboratory. Working with gypsum products, as well as model and die production are stressed.

#### **DENTAL TECHNOLOGY 101**

Elements of Dental Technology

2 UNITS (A)

LECTURE 2 HOURS

Advisory: English 73 or equivalent. Open to all college Students.

Students receive an orientation to the field of dental Laboratory technology, including ethics, jurisprudence, history, and categories of training and employment.

#### **DENTAL TECHNOLOGY 102**

Dental Anatomy and Terminology

3 UNITS (A)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

The Students learn about dental terminology, oral cavity including morphology and function of the primary and secondary human dentition, occlusion concepts and anatomical landmarks. Additionally, the students learn the significance of: skull osteology, myology and tooth supporting structures, histology.

#### **DENTAL TECHNOLOGY 103**

Removable Prosthodontics I

5 UNITS (A)

LECTURE 3 HOURS. LABORATORY 5 HOURS

Prerequisite: Dental Technology 100 and 102.

Students learn the art and science of creating natural looking complete dentures by using PTC techniques and methodology. The course includes: dental anatomy, concepts of a natural smile, selecting and setting denture teeth in balanced occlusion, duplication of natural tissue, and processing, finishing and polishing complete dentures according with established clinical standards and an introduction to digital dentistry.

#### **DENTAL TECHNOLOGY 105**

Removable Prosthodontics II

5 UNITS

LECTURE 3 HOURS. LABORATORY 6 HOURS

Prerequisite: Dental Technology 103.

Students learn the design, materials science and construction of maxillary complete dentures opposing a mandibular overdenture, reline and repair complete dentures, Immediate Maxillary Denture and Wrought wire Mandibular Stay Plate.

#### **DENTAL TECHNOLOGY 106**

Dental Materials

3.5 UNITS (A)

LECTURE 3 HOURS. LABORATORY 1 HOUR

Prerequisite: Dental Technology 100.

Students learn by lecture, demonstration and experimenting the physical properties of dental materials including, composition and uses of dental materials.

**DENTAL TECHNOLOGY 108**

## Gnathological Concepts

3 UNITS (A)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: Dental Technology 109.

Students learn about gnathological concepts of morphology and functional occlusion. Understanding and reconstructing ideal and functional contacts. Organic waxing of the maxillary and mandibular teeth occlusal surfaces is accomplished on fully adjustable articulators.

**DENTAL TECHNOLOGY 109**

## FIXED PROSTHODONTICS I

5 UNITS

LECTURE 2 HOUR. LABORATORY 8 HOURS

Prerequisite: Dental Technology 100 and 102.

Advisory: English 28 and 67 or equivalent.

The Student learns morphological and functional waxing of anterior and posterior single units by analogue and digital applications.

**DENTAL TECHNOLOGY 111**

## Fixed Prosthodontics II

6 UNITS

LECTURE 3 HOURS. LABORATORY 6 HOURS

Prerequisite: Dental Technology 109.

Students learn to wax single and multiple units by using PTC techniques and methodology based on Student learning outcomes. Learning and understanding concepts such as: tooth contour alignment, functional and morphological occlusion. Students learn fundamental concepts in metal and ceramic substructure designs applied to single units. Students learn techniques in spruing, investing and casting including soldering applications.

**DENTAL TECHNOLOGY 112**

## Removable Prosthodontics III

6 UNITS

LECTURE 4 HOURS. LABORATORY 6 HOURS

Prerequisite: Dental Technology 105.

The Student will learn removable partial denture construction, both analog and digital, from start to finish. The course will consist of two sections, framework production and replacement teeth addition to the framework. The first section will consist of the: use of the dental surveyor; design of the partial denture framework; waxing; casting Cobalt-Chromium alloy; finishing and polishing the framework. The second section will consist of replacement tooth set-up; wax-up; processing; equilibration; finish and polish.

**DENTAL TECHNOLOGY 185**

1 UNITS

Dental Prosthetic Technology students pursue directed study on a contract basis, under the direction and supervising of the instructor. The students will receive additional evaluation and guidance in the skills and theory learning steps underlying Advanced Restorative Prosthodontics courses, level III and IV.

**DENTAL TECHNOLOGY 202**

## Laboratory Management

4 UNITS (A)

LECTURE 2 HOURS. LABORATORY 6 HOURS

Co-requisite: Dental Technology 207 or 208.

The Students learn to observe and work with a skilled dental technician in a dental office, clinic or dental laboratory. The Student applies the knowledge and skills learned in the classroom in a dental office, clinic or dental laboratory. The Students learn about production, operation, and management of dental Laboratory business including; Human Resource Management. Various types of business financing. Identify various marketing strategies. Business ownership and current professional topics.

**DENTAL TECHNOLOGY 203**

## Ceramic Restorations

2 UNITS (A)

LECTURE 1 HOUR. LABORATORY 3 HOURS

Prerequisite: Dental Technology 111.

The student learns about dental ceramic restorations, including: materials properties and manipulation, tooth morphologic design, feldspathic materials sintering, contouring staining, glazing, polishing, as well as science of color and esthetic design.

**DENTAL TECHNOLOGY 204**

## Orthodontics

3 UNITS (A)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: Dental Technology 112.

This course goes into the construction and repair of orthodontic and pedodontic appliances. Emphasis will be paced on pouring and trimming orthognathic study casts, wire bending techniques, soldering and welding techniques, and fabrication of various types of orthodontic appliances

**DENTAL TECHNOLOGY 205**

## Advanced Removable Partial Dentures

10 UNITS

LECTURE 4 HOURS. LABORATORY 12 HOURS

Prerequisite: Dental Technology 112 and 105.

This course is the first course for Removable Prosthetic Specialists in Dental Technology Program. This course incorporates advanced removable partial denture design, and manufacturing techniques

**DENTAL TECHNOLOGY 206**

## Fixed Prosthodontics III

6 UNITS

LECTURE 2 HOURS. LABORATORY 8 HOURS

Prerequisite: Dental Technology 111 and Dental Technology 108.

This course is the first course for Fixed Prosthetic Specialists in the Dental Technology Program. This course incorporates advanced fixed partial denture design, and manufacturing techniques.

**DENTAL TECHNOLOGY 207**

Removable Prosthodontics IV

6 UNITS

LECTURE 3 HOURS. LABORATORY 7 HOURS

Prerequisite: Dental Technology 105 and 112.

This is an advanced course in Removable Prosthodontics Specialty in the Dental Technology Program. This course incorporates advanced removable dentures design, materials' science, and manufacturing techniques

**DENTAL TECHNOLOGY 208**

Fixed Prosthodontics IV

6 UNITS (A)

LECTURE 2 HOURS. LABORATORY 7 HOURS

Prerequisite: Dental Technology 206.

This course is the second course for Fixed Prosthetic Specialists in the Dental Technology Program. This course incorporates advanced Ceramic Restoration design and manufacturing techniques.

**DENTAL TECHNOLOGY 285**

Directed Study - Dental Technology

2 UNITS (A)

LECTURE 2 HOURS

Dental Prosthetic Technology students pursue directed study on a contract basis, under the direction and supervising of the instructor. The students will receive additional evaluation and guidance in the skills and theory learning steps underlying fixed and removable Prosthodontics courses, Level I and II.

**DENTAL TECHNOLOGY 304**

Skeleton build-up for All Ceramic Restorations

8 UNITS

LECTURE 4 HOURS. LABORATORY 12 HOURS

Prerequisite: Dental Technology 208.

Students will learn to evaluate, plan, scan, design and process complex advanced fixed prosthodontics cases, including multiple units restorations, frames and full contours bridges, implant restorations and combination cases. The students will complete clinically acceptable prosthetic restorations, where the coordination between function and esthetics is fully maximized.

**DENTAL TECHNOLOGY 401**

Dental Implants

4 UNITS

LECTURE 2 HOURS. LABORATORY 6 HOURS

Prerequisite: Dental Technology 207 and 208.

The Students will learn about dental implants including: history, surgical overview, types of implants and implant restorations, case planing, prosthodontic procedures, Laboratory procedures, restorative materials, case finalization.

**EARTH SCIENCE (EARTH)****EARTH SCIENCE 1**

Earth Science

3 UNITS (UC: CSU)

LECTURE 3 HOURS.

Advisory: English 28 and 67 or equivalent.

Students learn a general introduction to the study of earth's rocks, landforms, atmosphere, and oceans. Students learn interrelationships between the land, atmosphere, and oceans and relate these subjects to global climate change.

**ECONOMICS (ECON)****ECONOMICS 1**

Principles of Economics I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisites: Mathematics 115

Advisory: English 28 and 67 or equivalent and Mathematics 125.

Students learn the principles and methods of economic analysis; topics include the analysis of the laws of supply and demand, price theory, economic analysis of the firm and resource allocation, market structures of the American economy, and other topics relevant to microeconomic analysis.

**ECONOMICS 2**

Principles of Economics II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisites: Mathematics 115

Advisory: English 28 and 67 or equivalent and Mathematics 125.

Students learn the principles and methods of aggregative macroeconomic analysis; topics include money and banking, national income determination, business fluctuations, and other topics relevant to macroeconomic analysis.

**EDUCATION (EDUC)****EDUCATION 1**

Introduction to Teaching

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28

This course introduces students to the field of professional education and the concepts and issues that are related to TK - 12 education. Topics of this course include a basic understanding of a teacher's role and challenges in society, contemporary education issues within historical, social, philosophical, legal, and political contexts, impact of government policies on schools and children, and the various perspectives on curriculum and instruction.

**ENGINEERING, ELECTRICAL (ENG ELC)****ELECTRICAL ENGINEERING 220**

Electrical Circuits I

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisites: Physics 102 with a satisfactory grade or equivalent. Co-requisite: Mathematics 275.

Students learn the theory of circuit analysis and practice its application to areas of importance in electrical engineering such as DC, AC, operational amplifiers, multi-phase power, and frequency response. Students also perform Laboratory exercises to learn how to realize circuit designs using electronic components and to use instruments such as multimeters, oscilloscopes, and signal generators.

**ENGINEERING, GENERAL (ENG GEN)****ENGINEERING 101**

Introduction to Science, Engineering and Technology

2 UNITS (UC: CSU)

LECTURE 2 HOURS

Required of all engineering first semester students. Open to all students learn about the engineering method and strategies for academic and career success in engineering. Students are introduced to mechanical, civil, electrical, and computer systems engineering through project work. The vast range disciplines and opportunities in engineering are presented. Students are guided through challenging design exercises to develop skills in planning, communication, team working, and creativity. Only basic math is required.

**ENGINEERING 120**

Introduction To Programming Concepts And Methodologies For Scientists And Engineers

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS.

Prerequisite: Math 260

Students learn the fundamentals of the 'C' computer programming language through completing hands-on projects involving sensors, motors, and displays. Students also learn how to interface hardware to a desktop computer or laptop. The course provides transfer preparation in computer programming for science and engineering majors.

**ENGINEERING 131**

Statics

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Physics 101 with a satisfactory grade or equivalent.

The Students learn how to apply vector analysis of forces and moments to determine the equilibrium conditions in trusses, frames, and machines. The course also covers center of mass, centroids, friction, and moment of inertia.

**ENGINEERING 151**

Materials of Engineering

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Physics 101 and Chemistry 101 with satisfactory grades or better or equivalent.

The Student learns how the properties of materials are related to atomic and crystal structure and how processing influences structure and hence properties. Topics include atomic structure and bonding; crystalline structures; phases and phase diagrams; metals; polymers; ceramics; composites; mechanical deformation, fracture, electrical, and magnetic properties.

**ENGINEERING 153**

Materials of Engineering Laboratory

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: ENG GEN 151

The student learns experimental techniques, including the operation of standard materials testing equipment, to measure material performance and analyze experimental data in the context of the theories within materials science. The laboratory exercises relate to a range of materials science areas including: mechanical testing, heat treatment, crystal structures, phase diagrams, thermal properties, electrical properties, and forming operations. Students gain experience of working with metals, polymers, ceramics, and composites. The course provides transfer preparation for majors in Mechanical, Aerospace, Manufacturing, and Civil engineering.

**ENGINEERING 212**

Introduction to Engineering Design

3 UNITS (RPT 3) (UC: CSU)

LECTURE 1 HOUR. LABORATORY 6 HOURS

Students develop 3-0 representations of engineering components and assemblies using Solidworks feature based parametric solid modeling software. Instruction is given in the types of solid object manipulations that are common to all parametric solid modeling software and used in industry to construct components that can be further combined to make assemblies. The preparation of engineering drawings from the 3-0 representation using automation tools is also covered.

**ENGINEERING 241**

Strength of Materials

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: Engineering, General131 with a satisfactory grade or equivalent.

The student learns the application of mechanics to determining the effect of forces and torques on materials. The student will be able to apply this knowledge to the design of load bearing components. The course will cover the following topics: stress, strain, axial loading, torsion, flexural stresses, transverse shear stress, horizontal shear stresses, stress transformations, Mohr's circle, pressure vessels, shear and bending moment diagrams, stresses in a beam, methods of superposition, and elastic strain energy.



**ENGLISH (ENGLISH)****ENGLISH 20**

## College Reading Skills

6 UNITS NDA

LECTURE 6 HOURS

Prerequisite: Appropriate score on the English Placement Exam.

Students receive instruction in techniques of writing clear, coherent compositions and improvement in reading skills which reinforce writing skills necessary for academic success.

**ENGLISH 28**

## Intermediate Reading and Composition

3 UNITS (A)

LECTURE 3 HOURS

Prerequisite: ESL 6A or English 21 or 73 or 97 or equivalent or appropriate placement score.

Co-requisite: English 67

Students receive instruction in techniques of writing at the college level. Students develop writing and reading skills, with emphasis on grammar, various essay writing, and analysis of fiction and non-fiction materials.

**ENGLISH 67**

## Writing Laboratory

0.5 UNITS NDA

LABORATORY 1 HOUR.

Co-requisite: English 28

Students practice the writing skills presented in English 28.

**ENGLISH 68**

## Reading Laboratory

0.5 UNIT NDA

LABORATORY 1 HOUR.

English 69 is designed to supplement and enhance learning in intermediate writing composition and reading courses by providing individualized tutorial and self-help assistance, computers, online resources, and other resource materials that enhance students' critical reading, writing, and computer skills necessary for success in college, career, and vocations.

**ENGLISH 69**

## Writing and Revising on the Computer

1 UNIT NDA

LABORATORY 2 HOURS.

English 69 is designed to supplement and enhance learning in intermediate writing composition and reading courses by providing individualized tutorial and self-help assistance, computers, online resources, and other resource materials that enhance students' critical reading, writing, and computer skills necessary for success in college, career, and vocations.

**ENGLISH 78**

## Writing Memoir

3 UNITS (A)

LECTURE 3 HOURS

Advisory: English 97, ESL 6A, or equivalent.

Students read full-length memoirs by published writers and outline and compose their own memoirs.

**ENGLISH 94**

## Intensive Grammar Review

3 UNITS NDA

LECTURE 3 HOURS

Advisory: English 21 or 97.

Students learn the parts of speech, grammar, mechanics, sentence style, punctuation, and word usage in English. The Students engage in an intensive review of grammar and sentence structure to better prepare them for English 28 or 101.

**ENGLISH 97**

## Introduction to College English and Reading Skills

6 UNITS

LECTURE 6 HOURS

Prerequisite: English 20 or Appropriate placement score.

Students will be introduced to English fundamentals in formal academic writing, focusing on basic grammar, reading, and writing skills. There will also be an introduction to English grammar, college vocabulary, and academic writing skills as well as instruction in comprehending expository articles, narratives, and college-level textbook material.

**ENGLISH 101**

## College Reading and Composition I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 28 and 67 or E.S.L. 8.

Advisory: English 108

Students develop their skills for writing college-level essays that incorporate various documentation styles. Students learn the importance of various fiction and non-fiction readings.

**ENGLISH 102**

## College Reading and Composition II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

Advisory: English 108.

Students study representative works from major genres, to develop close reading and analytical writing skills, and have appreciation and critical understanding of the cultural, historical, and aesthetic qualities of literature. Students study literature and literary criticism in order to develop critical thinking and reading and writing skills beyond the level achieved in English 101. This course emphasizes logical reasoning, analysis, and strategies of argumentation.

**ENGLISH 103**

## Composition and Critical Thinking

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

This is an advanced writing course where students further develop their logical, argumentative and analytical thinking, and writing skills. The course will utilize various fiction and non-fictional readings.

**ENGLISH 104**

## College Writing Skills and Support

3 UNITS (CSU)

LECTURE 3 HOURS

Co-requisite: English 101.

ENG 104 provides instruction in the basic conventions of college essay writing to supplement a concurrent ENG 101 course. In ENG 104, students receive additional support for topics covered in the concurrent ENG 101 course. Pass/No Pass only

**ENGLISH 108**

## Writing Workshop

0.50 UNITS (CSU)

LABORATORY 1 HOUR

Students enrolled in English 101, 102 and 103 may receive additional instruction in writing their college-level essays. This laboratory course will review research techniques and proper citation, as well as strategies in organization and support, to revise their papers.

**ENGLISH 127**

## Creative Writing

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 102 or equivalent.

Students receive intensive training in writing poetry, prose fiction, and/or playwriting. Students compose works that are discussed as part of instruction, supplemented by examples of published writers and theoretical essays on the creative process.

**ENGLISH 203**

## World Literature I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

A reading of key literary works and ideas of the Western world, the Middle East, Africa, and Asia from antiquity to the seventeenth century. The course will require Students to recognize and compare readings from different cultures and analyze poetic forms and literary themes significant to the cultures in reasoned analysis.

**ENGLISH 204**

## World Literature II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

Students will recognize and compare readings from different cultures and synthesize literary forms and themes significant to these cultures in reasoned and cogent analyses. This course is a comparative study of selected works, in translation and in English, of literature from around the world, including Europe, the Middle East, Asia, and other areas, from the mid or late seventeenth century to the present.

**ENGLISH 205**

## English Literature I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 102 or equivalent.

Students read, discuss, and analyze major works of English literature from the beginnings to the late eighteenth century to develop an understanding and appreciation of the poetry, fiction, and drama of these literary periods and to express that appreciation in reasoned analyses.

**ENGLISH 206**

## English Literature II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 102 or equivalent.

Students read, discuss and analyze major works of English literature from the nineteenth century to the present to develop an understanding and appreciation of the poetry, fiction, and drama of these literary periods and to express that appreciation in reasoned analyses.

**ENGLISH 207**

## American Literature I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 102 or equivalent.

Students read American writers and analyze themes from colonial times to 1865. Besides reading the literary works of major writers, students become acquainted with writers who suggest the diversity of subject and opinion in American literature.

**ENGLISH 208**

## American Literature II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 102 or equivalent.

Students read, discuss, and analyze major American literature from the Civil War Period to the present in order to understand, appreciate, and investigate multicultural influences within national identity.

**ENGLISH 211**

## Fiction

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

Students read, discuss, and analyze selected short stories and novels written in, or translated into, English from a diversity of cultures and countries to increase students' understanding and appreciation of the art and craft of fiction writing.

**ENGLISH 212**

## Poetry

3 UNITS (UC: CSU)

LECTURE 3 HOURS.

Prerequisite: English 101 or equivalent.

Students study works by selected poets and background for appreciation of the poetic form, including early verses to 20th and

21st century poetry. Students gain a historical sense and literary appreciation shaped by readings which include reading stylistically and culturally diverse works.

**ENGLISH 214**

Contemporary Literature

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

Students read key literary works and ideas of recent mainstream and ethnically diverse literature to develop understanding and appreciation of contemporary culture through reasoned analyses of its literature.

**ENGLISH 215**

Shakespeare I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

Students read Shakespeare to develop an understanding of and appreciation for his sonnets and representative comedies, histories, and tragedies. Works selected in this class focus on Shakespeare's earlier career.

**ENGLISH 216**

Shakespeare II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

Students continue to study Shakespeare's poetry, theater, and drama with a selection of different works of Shakespeare than those used in English 215.

**ENGLISH 218**

Children's Literature

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

In this course, students are introduced to the underlying literary, psychological, and cultural structures of literature written for children. This course focuses on the literary and historical analysis of children's literature with an emphasis on the nature and development of the genre and why this literature takes so many different forms. Some consideration of the various concepts of the "child" will be included.

**ENGLISH 219**

The Literature of American Ethnic Groups

3 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisite: English 101 or equivalent.

Students use critical analysis of the various ethnic American writers who straddle two or more cultures, analyzing in terms of assimilation, acculturation, double and mestiza consciousness and wholeness. Students read and analyze the diversity of conflicting perspectives in novel, autobiography, essay, and poetry in the context of how these writers have defined or challenged concepts of identity, society, and power in past and contemporary American cultures. Students read literary works by African American, American Indian, Asian American, Arab American, Chicano/Latino, and Euro-American writers.

**ENGLISH 239**

Women In Literature

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

Students become acquainted with the work of women writers, historical and contemporary, who have made important contributions to literature. Writers to be read include Wollstonecraft, Woolf, Chopin, Austen, Cisneros, Butler, Hong-Kingston, and Cather, among others. Students are expected to write critical essays and a research paper that examine the predominant themes in path-breaking literature by and (to a lesser extent) about women, as well as the various archetypes, images, roles, and statuses of women. Special attention is devoted to traditional literary analysis and interpretation of primary texts through the lens of the various schools of literary criticism.

**ENGLISH 240**

Literature and the Motion Picture I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

Students will examine the comparative arts of literature and the motion picture, analyzing the inherent conflicts of translation between two different mediums. This includes readings of literary works, both classic and modern, screenings of film versions based upon these literary sources, discussion, and writing of critical papers. The course explores the variations in mediums and the act of translation across mediums.

**ENGLISH 252**

The English Bible as Literature

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

Students study the principal achievements of the Hebrew and Greek Testaments, analyzing the numerous literary and cultural influences within and of the Bible.

**ENGLISH 255**

Latin American Literature

3 UNITS (UC: CSU)

Lecture 3 hours

Prerequisite: English 101 or equivalent.

Students study a selection of significant literary works by Latin American authors. Readings will include selected poems, plays, and fiction by writers such as Pablo Neruda, Galeano, and Jorge Luis Borges and will explore the themes of magical realism, social engagement, 'la raza cosmica'; and utopian yearnings.

**ENGLISH 270**

Science Fiction - Fantasy

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 or equivalent.

Students read and study works of science fiction, with an emphasis on the use of mythology, science fiction by scientists and non scientists, philosophically oriented science fiction, and science fiction as fantasy and escape literature.

**ENGLISH 285**

Directed Study-English

2 UNITS (CSU)

LECTURE 2 HOURS

Students pursue directed study in literary analysis, a particular genre or period, or independent research on a contract basis under the direction of a supervising instructor.

**ENGLISH 385**

Directed Study-English

3 UNITS (CSU)

LECTURE 3 HOURS

Students pursue directed study in literary analysis, a particular genre or period, or independent research on a contract basis under the direction of a supervising instructor.

**ENGLISH AS A SECOND LANGUAGE (ESL)****ESL 2A**

College ESL II: Writing and Grammar

6 UNITS NDA

LECTURE 6 HOURS

Prerequisite: Appropriate placement level demonstrated through the assessment process.

Advisory: ESL 2B. (Pass/No Pass)

Students in this high-beginning ESL course learn reading, writing, and grammar skills to prepare them for academic work. The course content emphasizes vocabulary, grammar, and writing through guided and free writing of multi-sentence compositions on common subjects. Reading, speaking, and listening activities reinforce writing and grammar development. Required: Eight to ten writing assignments, including at least four compositions of 100-150 words.

**ESL 2B**

College ESL II: Reading, Listening, and Speaking

6 UNITS NDA

LECTURE 6 HOURS

Prerequisite: Appropriate score on the ESL placement assessment.

Advisory: ESL 2A. (Pass/ No Pass)

Students in this high-beginning ESL course learn listening, speaking, and reading comprehension and vocabulary skills to prepare for their academic work across the curriculum. This course is designed to start building academic vocabulary and reading skills.

**ESL 3A**

College ESL III: Writing and Grammar

6 UNITS

LECTURE 6 HOURS

Prerequisites: ESL 2A or Appropriate Score on the English Placement Exam. A

Advisory: ESL 3B or ESL 3C. (Credit/No Credit)

Students in this low-intermediate ESL course learn written composition, grammar, and critical reading skills to prepare them for college work. The emphasis is on writing based on critical

reading and personal experience. Grammar skills and mechanics are emphasized throughout each lesson. Required: Eight to ten writing

**ESL 3B**

College ESL III: Reading and Vocabulary

3 UNITS

LECTURE 3 HOURS

Prerequisite: ESL 2B or appropriate score on the ESL placement assessment.

Advisory: ESL 3A or ESL 3C. (Pass/No Pass)

Students in this low-intermediate ESL course learn reading comprehension, critical reading, and vocabulary skills to prepare for their academic work across the curriculum. This course is designed to build academic language fluency including academic vocabulary, assignments, including at least four paragraphs of 150-250 words. Prerequisite: Completion of ESL 2B with credit, or appropriate ESL placement level demonstrated through the assessment process.

**ESL 3C**

College ESL III: Listening and Speaking

3 UNITS

LECTURE 3 HOURS

Prerequisite: ESL 2B or appropriate score on the ESL placement assessment.

Advisory: ESL 3A and ESL 3B.

(Pass/ No Pass)

Students at the low-intermediate ESL level learn skills to improve listening and speaking to prepare them for college work.

**ESL 4C**

College ESL IV: Listening and Speaking

3 UNITS

LECTURE 3 HOURS

Prerequisite: ESL 3C or Placement Exam

Students in this intermediate ESL course improve their listening comprehension and oral fluency to prepare for academic work across the curriculum. Speaking practice includes level-appropriate activities such as presentations, discussions, and interviews using academic vocabulary.

**ESL 5C**

College ESL V: Listening and Speaking

3 UNITS

LECTURE 3 HOURS

Prerequisite: ESL 4C or Placement Exam

Students in this high-intermediate ESL course improve their listening comprehension and oral fluency to prepare for academic work across the curriculum. Speaking practice includes level-appropriate activities such as presentations, discussions, and interviews using academic vocabulary.

**ESL 6C**

College ESL VI: Listening and Speaking

3 UNITS

LECTURE 3 HOURS

Prerequisite: ESL 5C or Placement Exam

Students in this low-advanced ESL course improve their listening comprehension and oral fluency to prepare for academic work

across the curriculum. Speaking practice includes level-appropriate activities such as presentations, discussions, and debates using academic vocabulary.

## ENGLISH AS A SECOND LANGUAGE (E.S.L.)

### E.S.L. 4A

College ESL IV: Writing and Grammar

6 UNITS

LECTURE 6 HOURS

Prerequisite: ESL 3A or appropriate score on the ESL placement assessment.

Advisory: ESL 4B.

(Pass/ No Pass)

Students in this intermediate ESL course learn written composition, grammar, and critical reading skills to prepare them for college work. The emphasis is on writing based on critical reading and personal experience. Students will be introduced to summarizing skills. Grammar skills and mechanics are emphasized throughout each lesson. Required: Eight to ten writing assignments, each of at least four paragraphs of 200-300 words. Prerequisite: Completion of ESL 3A with credit, or appropriate ESL placement level demonstrated through the assessment process.

### E.S.L. 4B

College ESL IV: Reading and Vocabulary

3 UNITS

LECTURE 3 HOURS

Prerequisite: ESL 3B or appropriate score on the ESL placement assessment.

Advisory: ESL 4A. (Pass/ No Pass)

Students in this intermediate ESL course learn reading comprehension, critical reading, and vocabulary skills to prepare for their academic work across the curriculum. This course is designed to build academic language fluency including academic vocabulary.

### E.S.L. 5A

College ESL V: Writing and Grammar

6 UNITS (CSU)

LECTURE 6 HOURS

Prerequisite: ESL 4A or appropriate score on the ESL placement assessment.

Advisory: ESL 5B.

Students in this high-intermediate ESL course learn written composition, grammar, and critical reading skills to prepare them for college work. The emphasis is on writing based on critical reading, interpretation/analysis, and personal experience. Students will develop paraphrasing and summarizing skills. Grammar skills and mechanics are emphasized throughout each lesson. Required: Eight to ten writing assignments, including at least four

compositions of 300-500 words. Prerequisite: Completion of ESL 4A with credit, or appropriate ESL placement level demonstrated through the assessment process.

### E.S.L. 5B

College ESL V: Reading and Vocabulary

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: ESL 4B or appropriate score on the ESL placement assessment. Advisory: ESL 5A.

Students in this high-intermediate ESL course learn reading comprehension, critical reading, and vocabulary skills to prepare for and support their academic work across the curriculum. This course is designed to build academic language fluency including academic vocabulary.

### E.S.L. 6A

College ESL VI: Writing and Grammar

6 UNITS (CSU)

Prerequisite: ESL 5A or appropriate score on the ESL placement assessment.

Advisory: ESL 6B.

Students at this advanced ESL course learn written composition, grammar, and critical reading skills to prepare them for college work. The emphasis is on writing based primarily on critical reading and interpretation/analysis. Students will be introduced to appropriate citation and basic bibliographic conventions in their writing. advanced grammar skills and mechanics are emphasized throughout each lesson. Required: Eight to ten writing assignments, including at least four essays of 400-600 words. Prerequisite: Completion of ESL 5A with a grade of 'C' or better, or appropriate placement level demonstrated through the assessment process.

### E.S.L. 6B

College ESL VI: Reading and Vocabulary

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: ESL 5B or appropriate score on the ESL placement assessment.

Advisory: ESL 6A.

Students in this low-advanced ESL course learn reading comprehension, critical reading, and vocabulary skills to prepare for and support their academic work across the curriculum. This course is designed to build academic language fluency including advanced academic vocabulary.

### E.S.L.008

Advanced ESL Composition

6 UNITS (UC: CSU)

Prerequisite: ESL 6A or appropriate placement level demonstrated through the assessment process.

This is a course in written composition, grammar, and critical reading skills tailored for the ESL student. It is a Prerequisite for English 101. The emphasis is on writing based primarily on critical reading and interpretation/analysis. Students will be required to use MLA and/or APA citation and bibliographic conventions in their research. advanced grammar skills and mechanics are emphasized throughout each lesson. Required: Eight to ten writing assignments, including at least four essays of 600-800 words and one research paper.



## ENVIRONMENTAL SCIENCE (ENV SCI)

### ENVIRONMENTAL SCIENCE 1

The Human Environment: Physical Processes  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

This course introduces students to fundamentals of Earth's physical environment, focusing on the scientific principles that relate to human-environment interactions. This interaction is explored with regards to the Earth's atmosphere, biosphere, hydrosphere and lithosphere. Issues such as human populations, energy generation and use, pollution, resources, and global climate change are discussed.

## FAMILY & CONSUMER STUDIES (FAM &CS)

### FAMILY AND CONSUMER STUDIES 21 (SAME AS NUTRITION 21)

Nutrition  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students learn the scientific concepts of Nutrition in a Lecture interactive format evaluating how lifestyle, diet, food/nutrition/nutrient excess and deficiencies; phytochemicals; food safety; food technology affect diseases and assessment of nutrition in human development from conception through maturity. Personal dietary assessment, synthesizing data from computerized dietary program and family tree, appraises nutritional disease risk factors. Students evaluate excesses and deficiencies and construct practices that establish and maintain a healthy lifestyle and result in a healthier mind, healthier nutritional eating practices, enhancing the spirit and nourishing the body.

### FAMILY AND CONSUMER STUDIES 24

Food Preparation  
3 UNITS (CSU)  
LECTURE 2 HOURS. LABORATORY 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students are introduced to the scientific fundamentals of food preparation in both lecture and laboratory format. Scientific principles of food preparation are emphasized using current technology. The role of food in cultures, nutrition, and the economy are integrated into meal planning and preparation.

### FAMILY AND CONSUMER STUDIES 31

Marriage and Family Life  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Interpersonal growth and rewarding relationships are explored over the course of the family life cycle. Examines the Impact of social, psychological and economic forces that affect the family.

### FAMILY AND CONSUMER STUDIES 50

Sanitation and Safety  
3 UNITS (CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students learn basic principles of sanitation and safety including the types of microorganisms that cause foodborne illness, foodborne infections, toxin-mediated infection, and intoxication. Class includes discussion of environmental conditions including food hazards, contamination, cross-contamination, time and temperature, and personal food handler practices that cause sanitation/safety risks. US Food Code regulations, California state and Los Angeles County Environmental Health Department regulations and a HACCP system of food safety will help define the role of food, people, and facility in managing a sanitary food facility operation. Emphasis on the importance of proper employee food safety training practices as related to the providing of safe food are core competencies of this class.

### FAMILY AND CONSUMER STUDIES 51

Food Production Management  
3 UNITS (CSU)  
LECTURE 3 HOURS

Co-requisite: Family and Consumer Studies 151

Advisory: Math 105 (or LS 10) and English 28 and English 67

Students are introduced to menu analysis for food requisitioning, food production planning and implementation. Basic principles of quantity cooking are emphasized.

### FAMILY AND CONSUMER STUDIES 52

Food Service Management  
3 UNITS (CSU)  
LECTURE 3 HOURS

Prerequisite: Family and Consumer Studies 51 and 55.

Advisory: English 28 and 67 or equivalent.

Current concepts in food service management are presented in a lecture/discussion format. The course focuses on the systems approach to food service management, including the menu, food purchasing, personal management, facility management, fiscal management, marketing, and information systems.

### FAMILY AND CONSUMER STUDIES 55

Dietetic Education  
3 UNITS (CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students will be introduced to careers in dietetics and food service. The application of communication skills to training, counseling, and education will be studied.

### FAMILY AND CONSUMER STUDIES 56

Nutrition Delivery Systems  
3 UNITS (CSU)  
LECTURE 3 HOURS

Co-requisite: Family and Consumer Studies 156.

Advisory: English 21 or equivalent, and Mathematics 105 or higher or Learning Skills 10ABC or higher.

The student learns an introduction to nutrition delivery systems and institutional menu diet modifications. The student will study

medical nutrition therapy and how to modify diets for particular diseases. State and federal regulatory guidelines for food service are studied.

### **FAMILY AND CONSUMER STUDIES 151**

Food Production Management Laboratory

2 UNITS (A)

LABORATORY 5 HOURS

Co-requisite: Family and Consumer Studies 51 required.

Advisory: English 28 and 67; and Math 105 or LS 10

Students receive supervised practice in food requisitioning, food production planning, and quantity food production in a clinical laboratory.

### **FAMILY AND CONSUMER STUDIES 156**

Nutrition Delivery Systems Laboratory

2 UNITS (A)

LECTURE 5 HOURS

Prerequisite: Physical exam, negative TB test within previous 6 months, Student liability insurance, fingerprinting, social security criminal background verification and drug screen

Co-requisite: Family and Consumer Studies 56 required.

Advisory: English 28 and 67 or equivalent; Math 105 or LS 10

The Student completes supervised practice at a long term care facility in nutritional services. Nutrition delivery systems are evaluated according to state and federal regulatory guidelines. Student shadows a Dietetic Service Supervisor and increasingly contributes as a supervised member of the health care team.

## **FINANCE (FINANCE)**

### **FINANCE 2**

Investments

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Students receive the essentials of the principles of investment, the various types of investments, the operations of investment markets, and sources of information.

### **FINANCE 8**

Personal Finance and Investments

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students receive and apply the principles of accounting, banking, finance, office methods, management, and production, to one's personal affairs. Family budgeting, consumer credit, home ownership, life and property insurance, investments and savings plans, social security and retirement plans.

### **FINANCE 15**

Principles of Banking

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

This course is designed to provide an understanding of the basic functions of banking and a working knowledge of the operation of a bank.

## **FRENCH (FRENCH)**

### **FRENCH 1**

Elementary French I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Advisory: English 28 and 67

The Student learns French pronunciation and grammar, practical vocabulary, useful phrases as well as basic facts on the geography, customs and culture of the French speaking world.

### **FRENCH 2**

Elementary French II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: French 1 with a satisfactory grade or equivalent.

The Student completes the study of elementary French grammar, increases their practical vocabulary, and masters useful phrases. The Student reads elementary texts including those that explore basic facts on the geography, customs and culture of the French speaking world.

### **FRENCH 3**

Intermediate French I

5 UNITS (UC: CSU)

LECTURE 5 HOURS. LABORATORY 1 HOUR.

Prerequisite: French 2 with a satisfactory grade or equivalent.

Review of grammar, composition and vocabulary building. Introduction to French and Francophile authors.

### **FRENCH 4**

Intermediate French II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: French 3 with a satisfactory grade or equivalent.

Students will speak, read and understand spoken French at an intermediate (semi-fluent) to advanced (near-fluent or completely fluent) level. Students will discuss cultural, artistic, literary and historical traditions of the French-speaking world.

### **FRENCH 8**

Conversational French

2 UNITS (UC: CSU)

LECTURE 2 HOURS

Prerequisite: French 2 with a satisfactory grade or equivalent.

Oral expression in French is the main thrust of the course. The focus is on conversational skills revolving around everyday situations that a person may encounter when traveling or living in French-speaking countries, or when interacting with French-speaking people in the United States.

UC Limit: maximum UNITS: 2 courses.

### **FRENCH 10**

French Civilization

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28

An overview of the French culture from before the Romans to today. The course includes an understanding of the different dynasties ruling France through the ages. It also covers the

various wars and revolutions and their affect on the arts and literature movement. It underlines the role of France In Europe and the world.

### **FRENCH 21**

Fundamentals of French I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

The Students build basic competencies in French through intensive practice of the sound system and study of grammatical patterns and expressions that prepare Students to function within the contexts relevant to everyday life. Students learn to greet people, compare tastes and preferences in music, film, art, and other activities, tell time, and make plans with others. Students will gain knowledge of France and other French-speaking cultures of the world through readings and multimedia. French 21 is the first half of French 1. Credit can not be earned for both French 1 and for French 21.

## **GEOGRAPHY (GEOG)**

### **GEOGRAPHY 1**

Physical Geography

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students learn about basic scientific principles of geography such as Earth-Sun relationships, weather, climate, water, plate tectonics, landforms, soil, and the biosphere. Emphasis is on the interrelationships among physical systems and processes and their resulting patterns and distributions. Tools of geographic inquiry are also briefly covered; they may include: maps, remote sensing, Geographic Information Systems (GIS) and Global Positioning Systems (GPS). Optional field trips are offered.

### **GEOGRAPHY 2**

Cultural Elements of Geography

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students learn about diverse human populations in the context of the globe, including the description, analysis, and explanation of demography, migration, folk and popular culture, language, religion, ethnicity, political geography, development, agriculture, industry, economic activities, urban areas, and resource utilization. Special emphasis is placed on contemporary issues such as the effects of globalization and the impact of human settlements on the natural environment. Students also learn basic geographic literacy and map reading.

### **GEOGRAPHY 14**

Geography of California

3 UNITS (pending UC: CSU)

LECTURE 3 HOURS.

This course surveys the physical and cultural landscapes of California with emphasis on human-environment interaction and the spatial patterns of natural, socio-political, economic and demographic forces that have shaped the state. This course examines historical and current trends in climate, human population, cultural diversity, migration, and settlement

patterns. Distinctive high-tech industries, iconic urban ares, resource use, transportation routes, and trade are assessed with an emphasis on the profound interconnections between these subjects, on California's diversity, and on the rapid change that is transforming our people and its landscapes. As the most populous state, there will be focus on the ongoing role of its residents in constructing the identity of the 21st Century Californian.

### **GEOGRAPHY 15**

Physical Geography Laboratory

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS

Pre/Co-requisite: Geography 1

Advisory: English 28 and 67 or equivalent.

This course is designed to provide supplemental exercises in topics covered in Physical Geography Lecture (Geography 1). Students learn to analyze and interpret maps, including weather maps and topographic maps, as well as perform hands-on exercises that explore Earth-Sun relationships, atmospheric energy transfer, pressure and moisture, climate and biogeography, plate tectonics and volcanoes, and landforms.

## **GEOLOGY (GEOLOGY)**

### **GEOLOGY 1**

Physical Geology

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students learn: the scientific method and significant historical developments in geological sciences; formation of Earth materials, including minerals, igneous rocks, sedimentary rocks, and metamorphic rocks; geological time, including relative dating, absolute dating, and fossil correlation; Earth's internal processes, including plate tectonics, earthquakes, volcanism and magmatism, mountain building, geological structures, and metamorphism; Earth's external processes, including weathering, erosion, sedimentation, mass wasting, groundwater, surface water, and climate systems; and renewable and nonrenewable resources, including water and fossil fuels.

### **GEOLOGY 002**

Earth History

3 UNITS (UC: CSU)

LECTURE 2 HOURS

Advisory: English 28

Students receive an introduction to the geological history of Earth and its inhabitants, with emphasis on the evolution of life and landforms of North America. Topics include how Earth processes produce and alter landforms, climate, and energy and water resources on which humans depend; significant tectonic events, such as mountain building episodes; and the evolutionary history of life on Earth, including plants, fish, dinosaurs, mammals, and humans. Multimedia presentations are used throughout the course. Field trips will be taken.

**GEOLOGY 6**

Physical Geology Laboratory

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS

Pre-Co-requisite: Geology 1

Advisory: English 28 and 67 or equivalent.

Students learn: identification of minerals and rocks; topographic and geologic map skills, including changing map scales using dimensional analysis and interpretation of geological structures in map view and cross-section; stratigraphic interpretation of sea level change; coastal sedimentary processes; determination of the location and magnitude of earthquakes; geological time and important geological events; the scale of the Earth and its place in the solar system; and energy and mineral resources. Field trips may be taken.

**GEOLOGY 007**

EARTH HISTORY LABORATORY

2 UNITS (pending UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS

Prerequisite: Geology 2 or equivalent. Corequisite: Geology 2

Students learn fundamental principles of historical geology and the geological history of Earth and its inhabitants, with emphasis on North America. Laboratory topics include: relative and radiometric dating; analysis of sedimentary rocks, depositional environments, and facies relationships; correlation and stratigraphy; fossils, fossilization, and evolution; organization and interpretation of geological information, including geological maps and cross-sections; Precambrian (Archean and Proterozoic Eons) geology; Phanerozoic (Paleozoic, Mesozoic, and Cenozoic Eras) geology; and Hominin fossils. Field trips may be taken.

**HEALTH (HEALTH)****HEALTH 2**

Health and Fitness

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Course explores physical fitness as related to the Students will determine the components of a healthy physical and psychological lifestyle, with an emphasis on disease prevention, including violence/abuse, nutrition, sexuality, reproduction, drugs, alcohol, tobacco, aging, stress management, and weight control. During the physical fitness segment, Students participate in aerobic, flexibility, and strengthening activities, focusing on individual improvement. Students assess their fitness status to build their own fitness plan.

**HEALTH 8**

Women's Personal Health

3 UNITS (UC: CSU)

LECTURE 3 HOURS

The student will investigate both physiological and psychological health issues that are unique to women, including, nutrition, hygiene, sexuality, reproduction, drug use, violence and abuse, and diseases common to women.

**HEALTH 11**

Principles of Healthful Living

3 UNITS (UC: CSU)

LECTURE 3 HOURS

This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. This course does not focus on the vocational aspects of the public health field and instead looks at the connection between personal behavior and its correlation with disease prevention. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety.

**HEALTH 12**

Safety Education and First Aid

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students receive the theory and a detailed demonstration of the first aid care of the injured. This course covers how to assess a victim's condition and incorporate proper treatment. Standard first aid, CPR, and AED certification(s) will be granted upon successful completion of requirements.

**HEALTH 021**

Human Sexuality

3 UNITS (pending UC: CSU)

LECTURE 3 HOURS

This course provides a comprehensive introduction to the cultural, behavioral, biological and psychosocial aspects of human sexuality. Topics presented include acquired immune deficiency syndrome and other sexually transmitted diseases, as well as sexual variance and dysfunction, and sexuality throughout the human life cycle.

**HEALTH 101**

Introduction to Public Health

3 UNITS (UC: CSU)

LECTURE 3 HOURS

This course provides an introduction to the discipline of Public Health. Students will gain an understanding of the basic concepts and terminologies of public health, and the history and accomplishments of public health officials and agencies. An overview of the functions of various public health professions and institutions, and an in-depth examination of the core public health disciplines is covered. Topics of the discipline include the epidemiology of infectious and chronic disease; prevention and control of diseases in the community including the analysis of the social determinants of health and strategies for eliminating disease, illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; and health care policy and management.

## HISTORY (HISTORY)

### HISTORY 1

Introduction to Western Civilization I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 21 or equivalent.

Students learn about the development of western culture and civilization to the Reformation.

### HISTORY 2

Introduction to Western Civilization II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 21 or equivalent.

Students learn the history of Western Civilization focusing on the period from the French Revolution to the present.

### HISTORY 3

History of England and Great Britain I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101

The Student learns the history of British culture, emphasizing social, political, and economic issues from earliest times to 1500.

### HISTORY 4

History of England and Great Britain II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101

The Student learns the history of British culture, emphasizing social, political, and economic issues from 1500 to the present.

### HISTORY 7

The World's Great Religions

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67

Students survey the historical development of the world's great religions. A study is made of the origins and growth of major religions with an emphasis on the nature of religions, and religion as a discipline of study.

### HISTORY 11

Political and Social History of the United States I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Survey of U.S. history from the European colonization of North America and of the United States through Reconstruction.

### HISTORY 12

Political and Social History of the United States II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students survey study of the social and political history of the United States from the Reconstruction era to the present, focusing not only on political and social developments in the history of the United States but also on economic and cultural

developments, and analyzing changes in both the United States' domestic policies and its ongoing and changing role in international affairs.

### HISTORY 13

The United States In the Twentieth Century

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students learn to explain and analyze the main events, personalities, and themes of the social and political history of the U.S. in the 20th & 21st centuries by focusing on their overall impact on United States history, (i.e. cultural, political, and social movements), including a discussion of the country's central institutions.

### HISTORY 59

Comparative History of Genocide and War Crimes

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67

The Student learn the comparative history of genocide and war crimes in the 20th century and the legal instruments and organizations that have attempted to criminalize acts that fit within the definitions of genocide under international law. Students will also learn the comparative history of cultural conflict (identity), race & racism, and nationalism.

### HISTORY 73

Race and Racism In the United States

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 21 or equivalent.

Students learn how race has developed as a legal and social category in the United States, as well as learning about the interactions among diverse ethnic groups in the U.S. Students investigate how racism has affected intercultural collaboration and confrontation. Students compare and contrast diverse racial and ethnic experiences in the United States.

### HISTORY 81

A History of Working People In the United States I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101 and 67

The Student learns the history of working people in the United States from the colonial period through Reconstruction. Colonial life, the Revolutionary War, the early republic, the market revolution, the rise of urban America, westward expansion, the Civil War, and Reconstruction are examined from the perspective of indentured servants, slaves, farmers, skilled and unskilled laborers, and male and female workers.

### HISTORY 82

A History of Working People In the United States II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 and 67.

The Student learns the history of working people in the United States from Reconstruction to the present. Reconstruction, the gilded Age and Progressive Era, immigration, imperialism, the Twenties, the Great Depression and New Deal, the World Wars, the Cold War



and the Fifties, the Sixties, the conservative shift, and globalization are examined from the perspective of people from diverse social groups.

**HISTORY 86**

Introduction to World Civilization I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 28

Traces the development and interrelationships of world civilizations, their cultural traditions, and their contributions from the earliest times to 1500.

**HISTORY 87**

Introduction to World Civilization II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 28

Traces the development and interrelationships of the major world civilizations and their cultural traditions and contributions from the era of European expansion in the sixteenth century to the present. Note: HIST 86 is not a prerequisite for this course. Students may take HIST 87 without taking HIST 86.

**HISTORY 385**

Directed Study

History

3 UNITS (CSU)

LECTURE 3 HOURS

Students study History on a contract basis under the direction of a supervising instructor.

**HUMANITIES (HUMAN)****HUMANITIES 6**

Great People, Great Ages

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Introduction to Ideas and methods in the Humanities. The course explores the way in which individuals and groups create meaning in their lives and in the world around them.

**HUMANITIES 8**

Great Women in Humanities

3 UNITS (RPT 1) (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Students are introduced to the lives and times of great women from ancient times to the modern era.

**HUMANITIES 30**

The Beginnings of Western Civilization

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Students receive an introduction to ancient cultures and world religions. The course explores the foundational texts, art and ideas of ancient India, China, the Middle East, Egypt and Greece.

**HUMANITIES 31**

People in Contemporary Society

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Students are introduced to the contemporary cultural encounters between the various world cultures including Europe, the Americas, Asia, and Africa. Rather than a historical survey, specific historical case studies are examined.

**HUMANITIES 61**

People and Their World: the Creative Process

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

Students explore contemporary arts, literature, and popular culture. Students employ a range of analytic frameworks, including how the creative process is generated through myth and dreams as well as how race, class, gender, and sexuality are portrayed in popular culture.

**INTERNATIONAL BUSINESS (INTBUS)****INTERNATIONAL BUSINESS 1**

International Trade

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Business 1 with a satisfactory grade or better.

Students gain an understanding of international business, the dynamics between developed and developing countries, recent trends, how and why the world's countries differ, and implications to managers of international companies. The principles of international trade, including the central tenets of globalization, the new world order in the global economy, and the institutions that govern global trade will be covered. Topics include: globalization, foreign direct investment, political economies, regional economic integration, foreign exchange market, international monetary system, global capital markets, strategies of international organizations, and exporting, importing and counter-trade.

**INTERNATIONAL BUSINESS 3**

Exporting Procedures I

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: International Business 1 with a satisfactory grade or better.

The student identifies, defines, and explains that which is required by the United States regulatory agencies to export from the United States. Emphasis will be placed on how to determine if a commodity is acceptable for export and how to prepare the proper documentation required by the country of destination.

**INTERNATIONAL BUSINESS 4**

Import Procedures I

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: International Business 1.

The student learns how to identify, define, and explain the United States regulatory agencies requirements to import to

the United States. Emphasis will be placed on how to determine what duties commodities might be subject to and how to prepare and present to the Bureau of Customs the shipment and its document.

### **INTERNATIONAL BUSINESS 5**

Payment Instruments and Procedures I

3 UNITS

LECTURE 3 HOURS

Advisory: Business 1 and/or International Business 1 with satisfactory grades or better.

The Student learns how to arrange and receive payment for merchandise shipped from one country to another. Topics covered include how to prepare and fill out documents. Also included is information regarding credit and political risk insurance.

### **INTERNATIONAL BUSINESS 6**

International Marketing I

3 UNITS (CSU)

LECTURE 3 HOURS

Open to all Students.

Student is focused on how to get foreign customers for American made products, how to identify prospective customers, how to make contact and how to sell the product. Variables include: culture, trade customs, politics, climate, wealth, business and government structures and international law.

## **ITALIAN (ITALIAN)**

### **ITALIAN 1**

Elementary Italian I

5 UNITS (UC: CSU)

LECTURE 5 HOURS.

Corresponds to the first year of high school Italian.

Advisory: English 28 and 67.

Pronunciation and grammar, practical vocabulary, useful phrases: basic facts on the geography, customs and culture of the Italian-speaking world.

### **ITALIAN 2**

Elementary Italian II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Italian 1 with a satisfactory grade or equivalent.

The Students learn the pronunciation, grammar, and culture of the Italian-speaking world.

### **ITALIAN 10**

Italian Civilization

3 UNITS (UC: :CSU)

LECTURE 3 HOURS

Students focus on the history, culture, traditions and arts of Italy and its people. The contribution of Italy to world civilization is examined. Course taught in English. Satisfies Humanities requirement for graduation.

## **JAPANESE (JAPAN)**

### **JAPANESE 1**

Elementary Japanese I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Advisory: English 28 and 67.

Students learn the fundamentals of pronunciation and grammar, basic vocabulary, useful phrases; reading and writing with Romanized alphabet and Japanese scripts, basic facts on the geography, customs and culture of Japan. Corresponds to the first year of high school Japanese.

### **JAPANESE 2**

Elementary Japanese II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Japanese 1 with a satisfactory grade or equivalent.

Students continue to learn the fundamentals of pronunciation and grammar. Additional Chinese characters are introduced. Japanese geography, customs and culture are also included.

### **JAPANESE 3**

Intermediate Japanese I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Japanese 2 with a satisfactory grade or equivalent.

Students continue to study the intermediate level of grammar and vocabulary building for conversational fluency and written composition. Begins the study of short narrative writing.

### **JAPANESE 4**

Intermediate Japanese II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Japanese 3 with a satisfactory grade or equivalent.

Students complete the study of fundamental grammar and provides additional training in grammar, written composition, and use of idioms. Greater emphasis is placed on the knowledge and use of Kanji. Continues the reading of short narrative stories.

### **JAPANESE 8**

Elementary Conversational Japanese

2 UNITS (UC: CSU)

LECTURE 2 HOURS

Prerequisite: Japanese 2 with a satisfactory grade or equivalent.

The Students focus on conversational skills revolving around everyday situations that a person encounter when traveling or living in Japanese-speaking environment.

**JAPANESE 9**

Japanese Civilization  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS.

Advisory: English 28 and 67.

The Student surveys Japanese civilization from ancient times to the present; the historical and cultural backgrounds; significant aspects of Japanese culture; religion, philosophy, socio-political institutions and art forms.

**JAPANESE 22**

Fundamentals of Japanese II  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS.

Prerequisite: Japanese 21

Students learn the fundamentals of pronunciation and grammar, basic vocabulary, useful phrases; reading and writing with Romanized alphabet and Japanese scripts, basic facts on the geography, customs and culture of Japan. Corresponds to the first year of high school Japanese. Japanese 21 and Japanese 22 together are equivalent to Japanese 1. Prerequisite: Japanese 21 with a satisfactory grade or equivalent.

**JAPANESE 69**

Japanese through Internet and Multimedia  
2 UNITS (CSU)  
LABORATORY 4 HOURS

Prerequisite: Japanese 1

Japanese through Internet and Multimedia is a course designed to supplement and enhance students' skills in Japanese language by providing an introduction to tutorials, self-help websites, and other resource materials that enable students to perform everyday functions, translations, searches, and social interactions online in Japanese. Students will develop critical reading, writing, and computer skills in Japanese which will be necessary for their success in both Japanese language courses and future careers/vocations.

**JOURNALISM (JOURNAL)****JOURNALISM 101**

Collecting and Writing News  
3 UNITS (CSU)  
LECTURE 3 HOURS

Prerequisite: English 28 and 67.

This introductory course stresses instruction and practice in news gathering and news writing. Curriculum connects theory with meaningful activity in the basic principles of news writing, including a section on broadcast writing. The course includes an examination of freedom of the press along with a critical analysis of its responsibilities. Students receive an overview of press ethics and resolving ethical dilemmas.

**JOURNALISM 105**

Mass Communications  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Prerequisite: English 28 and 67 or equivalent.

Students examine America's mass communication systems and learn how they affect human behavior in relation to social, political and economic institutions. Students learn the structure

and function of media in the digital age. Students learn and discuss media literacy and mass communication theories, as well as public relations practice, the history of advertising and the evolution of the Internet. Survey of factors that influence the creation and distribution of media messages, and the impact of those messages on society.

**JOURNALISM 185**

Directed Study  
Journalism  
1 UNIT (CSU)  
LECTURE 1 HOUR

The Student learns to work independently and produce content in Directed Study under the direction of a supervising instructor.

**JOURNALISM 217-1**

Publication Laboratory I  
2 UNITS (CSU)  
Laboratory: 6 hours

In this beginning level course, students learn introductory newspaper production techniques through the publication of the campus newspaper, including newspaper design, layout, graphic techniques, and materials. Student reporters, editors, photographers and other visual journalists receive practical instruction in basic production and publication. Deadlines and real-world working conditions are stressed.

**JOURNALISM 217-2**

Publication Laboratory II  
2 UNITS (CSU)  
Laboratory: 6 hours

Prerequisite: Journalism 217-1

In this intermediate level course, students learn to identify relevant editorial topics and produce content for the opinion/editorial section, through the publication of the campus newspaper, The Collegian. Reporters, photographers and cartoonists learn to collaborate at the intermediate level in order to produce effective staff editorials and editorial cartoons or other images. Students also produce content for the news section, and learn to create style sheets and dummy pages for the graphic design of the op/ed section. Students adhere to strict deadlines.

**JOURNALISM 217-3**

Publication Laboratory III  
2 UNITS (CSU)  
Laboratory: 6 hours

Prerequisite: Journalism 217-2

In this advanced course, Students learn newspaper production techniques, and adapt print work to the Internet. advanced Students produce stories for the print edition of the campus newspaper and also contribute content to the newspaper's digital site, Collegian Wired. Students focus on introductory vertical reporting skills that may include photography, videography, broadcast editing, broadcast reporting and print reporting. Students learn to generate ideas for photo essays, graphics centerpieces and bar charts. Student reporters focus on series and investigative reporting techniques.

**JOURNALISM 217-4**

## Publication Laboratory IV

2 UNITS (CSU)

Laboratory: 6 hours

Prerequisite: Journalism 217-3.

Students learn professional-level newspaper production techniques through the publication of the campus newspaper, The Collegian with an emphasis on mobile journalism and social media. At the professional level, Students write for the Collegian and practice the skills necessary to work across social media, broadcast and print platforms. At the professional level, all Students publish blogs, and create online portfolios.

**JOURNALISM 218-1**

## Practical Editing I

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 6 HOURS

Prerequisite: Journalism 101 with a satisfactory grade or equivalent.

In this beginning course, students learn editing fundamentals through the publication of the campus newspaper, the Collegian. This includes basic copy editing, writing headlines and cropping photographs. Editors evaluate and discuss issues of the newspaper in regularly scheduled critique sessions following publication.

**JOURNALISM 218-2**

## Practical Editing II

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 6 HOURS

Prerequisite: Journalism 218-1 with a satisfactory grade or equivalent.

Students learn intermediate newspaper editing skills through the publication of the campus newspaper, The Collegian. Editors check facts, spelling, grammar and Associated Press style for all copy. Students improve stories and oversee major revisions, and learn to collaborate with news design staff, photographers and reporters. Student editors learn to manage social media channels in the newsroom, and assign online/broadcast and multimedia stories to reporters, producers and photographers.

**JOURNALISM 218-3**

## Practical Editing III

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 6 HOURS

Prerequisite: Journalism 218-2 with a satisfactory grade or equivalent.

In this course, students practice advanced newspaper editing skills through the publication of the campus newspaper, The Collegian. Students edit reporter work for grammar, punctuation, clarity and Associated Press style. Student editors craft headlines and cutlines, and also practice editing skills across other platforms, including broadcast and the web. Editors learn front page design software, and focus on copy flow and newsroom organization. Published work is critiqued in regularly scheduled class meetings.

**JOURNALISM 218-4**

## Practical Editing IV

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 6 HOURS

Prerequisite: Journalism 218-3 with a satisfactory grade or equivalent.

Students learn professional-level newspaper writing and copy editing through the publication of the campus newspaper, the Collegian. Students develop news management skills essential to the demands of evolving media. Editors master Associated Press Style and learn newsroom techniques to improve broadcast, online, multimedia and social media content. Editors review and critique all content in regularly scheduled class meetings.

**JOURNALISM 219-1**

## Techniques for Staff Editors I

1 UNIT (CSU)

LABORATORY 3 HOURS

Prerequisite: Journalism 101

In this beginning course, students learn practices in editorial writing and analysis, while working as editors on the campus newspaper, The Collegian. Students also learn newsroom leadership skills and how to formulate editorial policy. Student learn to be accountable for what they publish. They also learn to respond to feedback from readers, including letters to the editor.

**JOURNALISM 219-2**

## Techniques for Staff Editors II

1 UNIT (CSU)

LABORATORY 3 HOURS

Prerequisite: Journalism 219-1

In this course, Student editors receive intermediate instruction in editorial writing and analysis of editorial problems. Students survey research methods. Students learn newsroom leadership skills and how to formulate editorial policy. Students set advertising and editorial policy.

**JOURNALISM 219-3**

## Techniques for Staff Editors III

1 UNIT (CSU)

LABORATORY 3 HOURS

Prerequisite: Journalism 219-2

In this course, students learn advanced techniques for managing and producing the Student newspaper, The Collegian. Students focus on newsroom operations and staff hierarchy. Editors learn planning techniques and establish reporting guidelines. At this level, editors analyze coverage during regular meetings and implement changes to improve print and online content. Students master real newsroom techniques and practices, and learn to produce under intense deadline pressure.

**JOURNALISM 220**

## Magazine Production

3 UNITS

LECTURE 2 HOURS. LABORATORY 3 HOURS.

Prerequisite: Journalism 101

Students will learn basic theory and practice of the planning and production of a print magazine. This beginning magazine production course includes pre-press production, story and image budgeting, as well as how to write, edit and publish a magazine. Unity

of design and artistic principles are stressed to produce compelling pages. Students also focus on the selection and use of typographic fonts in layout and design. Students learn to create production schedules, and they learn to work closely with the printer to stay on budget to produce the most compelling edition possible of the Collegian Times.

### **JOURNALISM 285**

Directed Study

2 UNITS (CSU)

LECTURE 2 HOURS

Advisory: English 28 and 67131 or equivalent. Conference: 1 hour per unit.

The Student learns to work independently and produce content in Directed Study under the direction of a supervising instructor. Credit Limit: A maximum of 3 units in Directed Study may be taken for credit.

## **KINESIOLOGY (KIN)**

### **KINESIOLOGY 045**

Adapted Fitness

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students with verified disabilities perform exercises as part of an individualized training program to improve cardiovascular fitness, muscular fitness, and flexibility.

### **KINESIOLOGY 180**

Marathon Training Course for Run/Walk

1.5 UNITS (UC: CSU)

LABORATORY 4 HOURS

Students develop an understanding of cardiovascular endurance and specificity of training for marathons using a variety of tempo run/walks. Students utilize and understand aerobic and anaerobic energy systems and when each is used. Race analysis and race psychology are also explained along with proper hydration and nutrition.

### **KINESIOLOGY 185 (FORMERLY PHYS ED 185)**

Directed Study Physical Education

1 UNIT (CSU)

LECTURE 1 HOUR

Students pursue directed studies in Kinesiology on a contract basis, under the direction of a supervising instructor.

### **KINESIOLOGY 201-1 (FORMERLY PHYS ED 102)**

Swimming Skills - 1

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students learn intermediate swimming skills. Skills for each stroke include kicking, arm stroke, proper breathing techniques, body position and rhythm of stroke. The Student also learn water safety skills.

### **KINESIOLOGY 202 (FORMERLY PHYS ED 110)**

Lap Swimming Skills

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Advanced swimmers improve their speed, strength, and endurance. Instructor directs organized, challenging workouts with all four

competitive strokes. Students should be able to swim 50 yards, without stopping, in deep water using the freestyle stroke and rotary breathing. At the first pool session, Students' swimming ability will be assessed to ensure minimum skills for participation.

### **KINESIOLOGY 205**

Water Polo

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students learn ball handling, game strategy, shooting, defense, offense, counter attack, and game management. Instruction includes progressive skills attainment.

### **KINESIOLOGY 206**

Diving Skills

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students learn the theory and practice of diving drills necessary to use the one-meter diving board. Demonstration and instruction on the five categories of basic dives, a front approach, the back take-off, jumps, line-ups, dry-land conditioning exercises and drills, and work toward building a five-dive list is covered.

### **KINESIOLOGY 215-1 (FORMERLY PHYS ED 241)**

Judo Skills-1

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students learn fifteen throwing techniques, five pinning techniques, and two constriction techniques, as well as the history and etiquette of judo.

### **KINESIOLOGY 215-2**

Judo Skills-2

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: Kinesiology 215-1

Students apply the techniques of judo to a moving opponent. Students practice five throwing techniques, five pinning techniques, five constriction techniques and two arm locks.

### **KINESIOLOGY 215-3**

Judo Skills - 3

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: Kinesiology 215-2

Students learn the competitive rules of the International Judo Federation. Additionally Students learn five new throwing techniques, five new pinning techniques, two new arm locks, and five new constriction techniques, all of which are applied while attacking and defending simultaneously while randomly moving about the competition area.

### **KINESIOLOGY 217 (FORMERLY PHYS ED 238)**

Self-Defense Skills

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

The Student develops the basic skills of self-defense, beginning with lateral movement, strength and cardiovascular fitness, agility and awareness of self in one's environment. The basic skills include striking, kicking, blocking, throwing, grappling, and other techniques. Additionally, legal and moral issues of self-defense are discussed.



**KINESIOLOGY 229**

## Body Conditioning

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students participate in a variety of vigorous exercises for increasing cardiovascular fitness, muscular strength, and flexibility. Various modes of aerobic exercises are emphasized in support of the cross-training concept. Resistance training using fixed weight of moderate to high intensity is used to develop muscular strength in all major muscle groups. Flexibility training is also emphasized to enhance skeletal range of motion. Information on exercise methods and principles, the physiology of the human body, fitness evaluation methodologies, and nutrition education.

**KINESIOLOGY 230**

## Cardiokickboxing Fitness

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students learn a non-contact aerobic activity designed to teach basic kicking and punching techniques to improve overall fitness and increase bio mechanics training including: cardiorespiratory endurance, muscular strength and endurance, flexibility, and body composition. Weights, steps, and calisthenic exercises may also be utilized.

**KINESIOLOGY 237**

## Bootcamp I

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students learn and apply low intensity style boot camp class activities along with nutrition and diet assessments. Students learn training exercises like basic aerobic and anaerobic conditioning, muscular strength, resistance and endurance training, and also individual and team concepts. In addition, Students are challenged to understand and apply basic fitness principles, basic anatomy and physiology, the prevention of training injuries, target heart rate and the intensity of exercise as well as nutrition for fitness. Students train individually, with a partner or in a team setting.

**KINESIOLOGY 246**

## Body Sculpting

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students learn techniques for body sculpting to achieve cardiovascular fitness, flexibility, muscle toning and endurance. Students will utilize exercise bands, core strength training on mats, weights, stability balls, medicine balls, kettle bells, and other activities are used to increase cardiac output and overall lean muscle mass.

**KINESIOLOGY 249-1 (FORMERLY PHYS ED 299)**

## Stress Management Skills - 1

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students learn techniques for managing stress through movement, dance therapy, dance meditation, authentic movement studies, breathing exercises, yoga, physical therapy and varied relaxation exercises.

**KINESIOLOGY 249-2**

## Stress Management Techniques Through Movement II

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: Kinesiology 249-1

Students learn additional techniques for managing stress through movement, dance therapy, dance meditation, authentic movement studies, breathing exercises, yoga, physical therapy and varied relaxation exercises. Students develop listening skills and presentation skills through practice.

**KINESIOLOGY 250-1 (FORMERLY PHYS ED 230)**

## Weigh Training Skills - 1

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students develop muscular strength and endurance using weight machines and free weights. They employ proper training techniques necessary to maintain personal fitness throughout the lifespan.

**KINESIOLOGY 250-2**

## Weigh Training Skills - 2

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: Kinesiology 250-1

Students develop resistance training experience and become involved in a higher level of exercise. They will be exposed to a wide variety of machine as well as free weight exercises and will then design a program based on individual needs.

**KINESIOLOGY 250-3**

## Weigh Training Skills - 3

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: Kinesiology 250-2

Students develop an advanced level in weight training and techniques that promote muscular strength and endurance. Excelled use of free weights and machines along with safety rules are mastered. Students enrolling in advanced Weight Training are required to take a skills test.

**KINESIOLOGY 251-1 (FORMERLY PHYS ED 225)**

## Yoga Skills - 1

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students learn the physical practice of Yoga, connecting body, mind and spirit. The Students are introduced to its origins, asanas (positions) and terminology.

**KINESIOLOGY 251-2**

## Yoga Skills - 2 (SAME AS DANCE 222)

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: Kinesiology 251-1

Students' progress in the physical practice of Yoga asana, moving beyond beginning level positions and sequences, developing balance in body alignment, flexibility, and strength. The Students learn asana (positions), terminology, and gain greater understanding of yoga philosophy and its application to daily life.

**KINESIOLOGY 251-3**

Yoga Skills - 3 (SAME AS DANCE 223)

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: Kinesiology 251-2

Students learn the physical and psychological aspects of Yoga through the practice of connecting body, mind and spirit. The Students are introduced to its origins, asanas (positions) and terminology.

**KINESIOLOGY 265**

Cross Country Conditioning Skills

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students learn basic biomechanics pertaining to jogging, running and race walking. Students will improve their cardiovascular system through various conditioning programs. Students learn a variety of concepts pertaining to pacing, nutrition, cross training and weight management that help enable them to increase their quantity and quality of life.

**KINESIOLOGY 266 - 1**

Badminton - 1

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students learn the basic novice level skills and knowledge necessary to play badminton such as the serve, clear, drop and smash shots, rules and basic strategies for the games of singles and doubles.

**KINESIOLOGY 266 - 2 (FORMERLY PHYS ED 203)**

Badminton - 2

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Kinesiology 266-1

Students learn the intermediate level skills and knowledge necessary to play badminton such as the serve, clear, drop and smash shots, deception, rules and intermediate strategies for the games of singles and doubles as played at the intermediate level.

**KINESIOLOGY 271-1 (FORMERLY PHYS ED 212)**

Tennis Skills 1

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students learn the fundamental skills and knowledge necessary to play tennis such as serve, forehand and backhand ground strokes and volleys, singles and doubles rules, and basic court positioning and strategy.

**KINESIOLOGY 271-2**

Tennis Skills - 2

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Kinesiology 271-1

Students learn intermediate level skills and knowledge to play tennis. Essential aspects of the game are presented through lecture, demonstration, group and individual drills, stroke analysis, theory and application of singles and doubles play. Emphasis is also placed on physical fitness. This skill level articulates with United States Tennis Association's level 2.5 to 3.0.

**KINESIOLOGY 272**

Track and Field Skills

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students learn instruction and practice in the events relevant to track and field. Topics include techniques, strategies, fitness conditioning, and rules pertaining to all aspects and events of track and field. Some of the topics include disk throwing, hurdles, sprinting, cross training and injury prevention. Emphasis will be put on proper biomechanics and injury prevention.

**KINESIOLOGY 285**

Directed Study - Kinesiology

2 UNITS (CSU)

LECTURE 2 HOURS

Students learn to participate professionally in a variety of fitness environments. Areas of study include youth fitness, personal training, group fitness, senior classes and health, diabetes prevention, and etc. Students learn to work with clients, manage client care, and analyze results. They also pursue directed studies in the area of Kinesiology on a contract basis, under the direction of a supervising instructor.

**KINESIOLOGY 287-1 (FORMERLY PHYS ED 304)**

Basketball Skills 1

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students practice, at a beginning level, the fundamental skills of basketball (dribbling, shooting, passing) and basic offensive and defensive team strategies through instruction and drills.

**KINESIOLOGY 287-2**

Basketball Skills 2

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Kinesiology 287-1

Students practice, at an intermediate level, the fundamental skills of basketball (dribbling, shooting, and passing) and improve their ability to perform these skills under game conditions. They learn how to be a contributing team member on offense and defense by setting screens, playing various zone defenses, and running a half-court press.

**KINESIOLOGY 289-1 (FORMERLY PHYS ED 313)**

Soccer Skills-1

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students learn basic soccer skills of passing, dribbling, shooting, and goal keeping. The course will also introduce individual and team offense and defense, as well as the rules, proper etiquette, terminology, and the components of fitness. Students will learn proper soccer techniques with practice skills and feed back.

**KINESIOLOGY 289-2**

Soccer Skills-2

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: Kinesiology 289-1

Students learn fundamental skills, team strategies, rules of the games, refereeing, and active participation of game play also learn how activities can lead to active healthy lifestyles by developing a personal fitness plan.

**KINESIOLOGY 290**

## Softball Skills

1 UNIT (UC: CSU) (RPT 3)

LABORATORY 2 HOURS

Students learn the fundamental skills and rules of softball. Students learn proper techniques and strategies for playing softball. Upon completion, Students should be able to participate in recreational softball.

**KINESIOLOGY 291-1 (FORMERLY PHYS ED 322)**

## Volleyball Skills - 1

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students learn basic volleyball skills and techniques. Skills learned are passing, serving, setting, blocking and hitting. Students learn game strategy and rules of the sport.

**KINESIOLOGY 291-2**

## Volleyball Skills – 2

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Volleyball Skills - 1

Students learn volleyball skills and techniques. Skills learned are passing, serving, hitting and blocking. The Students also learn strategy used for games and the rules of the sport.

**KINESIOLOGY 300**

## Swimming Non-Swimmer

1 UNIT (CSU)

LABORATORY 2 HOURS

Students learn primary swimming skills, the beginning locomotion skills of various swimming strokes and improve water safety awareness.

**KINESIOLOGY 303**

## Aqua Aerobics

1 UNIT (CSU)

LABORATORY 3 HOURS

Students learn basic principles of water safety, nutrition and water aerobics exercises for conditioning. This class emphasizes cardiovascular endurance and strength training by the use of water resistance.

**KINESIOLOGY 307**

## Swim and Run

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students develop an understanding of cardiovascular endurance and fitness through running and swimming instruction. Students will learn proper swimming and running technique with practice drills and feedback. The emphasis will be to provide safe and effective training progressions to improve health and skill acquisition. This class promotes the appreciation of outdoor fitness and all abilities are welcomed.

**KINESIOLOGY 326 (FORMERLY PHYS ED 630)**

## Aerobic Super Circuit Lab

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

The Student rotates through a series of weight training and cardiovascular exercises/machines at short, timed intervals for a challenging form of conditioning that develops muscular strength,

muscular endurance and cardiovascular endurance concurrently. Students learn the importance of nutrition for peak performance and increased overall wellness along with issues pertaining to exercise physiology.

**KINESIOLOGY 327 (FORMERLY PHYS ED 640)**

## Beginning Lifelong Fitness Laboratory

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students develop flexibility, muscular strength, muscular endurance, cardiovascular endurance, and body composition. Students learn how to achieve a healthy lifestyle, proper fitness balance, nutrition. Cardiovascular disease prevention and education is a main component of this course.

**KINESIOLOGY 328**

## Bicycle Spinning Activity

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students develop and improve both cardiovascular endurance and leg strength through cycling, interval training and hill climbing. Cycling safety, bike fit, and heart rate training will be emphasized throughout the course. Incorporates a choreographed workout on a specially designed stationary bicycle, using music and fundamental cycling techniques.

**KINESIOLOGY 328-1**

## Bicycle Spinning I

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

This course increases and helps maintain both cardiovascular endurance and leg strength through stationary bike workouts. Intensity is high and challenging. Resting and target heart rates are used to monitor improvements in the students' cardiovascular system.

**KINESIOLOGY 328-2**

## Bicycle Spinning II

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: KIN 328-1

This course covers the intermediate principles designed to build on basic techniques from Bicycle Spinning I. Intervals, rolling hills, sprints, climbs, runs, and jumps challenges students to improve their cardiovascular system, help build leg strength, burn calories, and increase endurance.

**KINESIOLOGY 331**

## Cross Training Lab

1 UNIT (UC: CSU)

Students learn a variety of cross training activities to achieve their personal fitness goals. Includes lecture on nutrition, exercise physiology concepts, and participation in a workout designed to improve cardiovascular conditioning and body composition, increase muscle strength/endurance and flexibility.

**KINESIOLOGY 333**

## Step Aerobics and Weight Training

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Students use a combination of strength training machines, free weights, step aerobics, and low impact aerobics to increase overall fitness and knowledge of personal health. These activities are

utilized to gain fitness, emphasizing flexibility, muscular strength, and cardiovascular endurance. Students learn safety training, biomechanics, nutrition, weight management and other nutrition and fitness concepts and skills.

### **KINESIOLOGY 334**

Walking for Fitness

1 UNIT (UC: CSU)

LECTURE .5 HOUR. LABORATORY 2.5 HOURS.

Students focus on achieving cardiovascular fitness and a healthy lifestyle through walking programs and gait training. Course topics include shoe selection, posture, gait, walking styles, flexibility, clothing, creating a walking program, nutrition, BMI, cardiovascular disease prevention and assessing fitness level.

## **KINESIOLOGY MAJOR (KIN MAJ)**

### **KINESIOLOGY MAJOR 100 (FORMERLY P.E. 712)**

Introduction to Kinesiology

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students learn about the study of human movement through an interdisciplinary approach that includes discussing the importance of the sub-disciplines in kinesiology and the variety of career opportunities in the areas of teaching, allied health, and fitness professions.

### **KINESIOLOGY MAJOR 107**

Preparation for Certification Personal Fitness Trainer

3 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 1 HOUR.

Prerequisites: Health 2 and KIN 250-1.

Students learn the knowledge, skills, and abilities to become a Certified Personal Trainer. Students study how the muscular, skeletal, and cardio-respiratory systems function. Topics include anatomy and physiology, principles and methods of cardiovascular training, strength training, safety, nutrition, and weight.

### **KINESIOLOGY MAJOR 117**

Personal Trainer Instructor

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisites: KIN 250-1 and Health 2

The Students will develop the knowledge and understanding to prepare for the ACE Personal Trainer Certification Exam and become effective personal trainers. This is a comprehensive course for designing individualized programs based on each client's unique health, fitness, and goals. The information covered by This course will help the Student learn how to facilitate rapport, adherence, self-efficacy and behavior change in clients, as well as design programs that help clients to improve posture, movement, flexibility, balance, core function, cardiorespiratory fitness, and muscular endurance and strength.

## **KOREAN (KOREAN)**

### **KOREAN 1**

Elementary Korean I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Advisory: English 28 and 67.

Students learn the fundamentals of pronunciation and grammar, basic vocabulary, useful phrases; reading and writing in Hangul, the Korean alphabet, basic facts on the geography, customs and culture of Korea.

### **KOREAN 2**

Elementary Korean II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Korean 1 with a satisfactory grade or equivalent.

Students continue to learn the fundamentals of pronunciation and grammar. Korean geography, customs and culture are also included.

### **KOREAN 3**

Intermediate Korean I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Advisory: Korean 2 with a satisfactory grade or equivalent.

Students continue to study the intermediate level of grammar and vocabulary building for conversational fluency and written composition. Students begins the study of short narrative writing.

### **KOREAN 4**

Intermediate Korean II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Korean 3 with a satisfactory grade or equivalent.

Students complete the study of fundamental grammar and provides additional training in grammar, written composition, and use of idioms. Students continue the reading of short narratives.

### **KOREAN 8**

Conversational Korean

2 UNITS (UC: CSU)

LECTURE 2 HOURS

Prerequisite: Korean 2 with a satisfactory grade or equivalent.

The Students focus on conversational skills on everyday topics, current events, and cultural materials.

### **KOREAN 10 (SAME AS HUMANITIES 45)**

Korean Civilization

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 or Journalism 101 or Journalism 218.

This course offers the students lectures and discussions in english on geography, history, government and institutions of korea; the life and customs of the people; the literature, arts, and sciences; the contribution to civilization. Advisory: english 28 or equivalent.

**KOREAN 21**

Fundamentals of Korean I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67

Fundamental course for students without prior exposure to Korean. Students learn to develop speaking, writing, listening, and reading skills in Korean at ACTFL novice low, and raise awareness about Korean culture. Korean 21 and Korean 22 is equivalent to Korean 1.

**KOREAN 22**

Fundamentals of Korean II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Continues the fundamentals of Korean pronunciation and grammar structure. Offers practical material for simple conversation based on every day experiences. Korean 21 and Korean 22 together are equivalent to Korean 1. Prerequisite: Korean 21 with a satisfactory grade or equivalent.

**KOREAN 69**

Korean Through Internet and Multimedia

2 UNITS (CSU)

LABORATORY 4 HOURS

Prerequisite: Korean 1

Korean through Internet and Multimedia is designed to supplement and enhance students' Korean skills by providing tutorial, self-help assistance, computers, online resources, and other resource materials that enable the students to perform everyday function, search and translate resources, and socially interact online in Korean. Students develop critical reading, writing and computer skills necessary for success in Korean language courses, college, career, and vocations.

**LAW (LAW)****LAW 1**

Business Law I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students learn the fundamental legal principles pertaining to business transactions. Students will be introduced to the legal process. Topics include sources of law and ethics, contracts, torts, agency, criminal law, business organizations, and judicial and administrative processes.

**LAW 2**

Business Law II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students learn about the fundamental principles of law as they apply in the business world. Topics include, but are not limited to, Bankruptcy Law; Employment and Labor Law; Employment Discrimination; Corporations; Administrative Law; Environmental Law; Real Property and Landlord-Tenant Relationships; and Wills, Trusts, and Elder Law. This course is necessary for a well-rounded knowledge of business law.

**LAW 3**

Civil Rights and the Law

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students learn about the broad range of privileges and rights guaranteed by the United States Constitution and subsequent amendments and laws that guarantee fundamental freedoms to all individuals. These freedoms include the rights of free expression and action; the right to enter into contracts, own property, and initiate lawsuits; the right of due process and equal protections of the laws; opportunities in education and work; the freedom to live, travel, and use public facilities wherever one chooses; and the right to participate in the democratic political process.

**LAW 4**

Directed Field Work In Legal Assisting

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 6 HOURS

Prerequisite: Law 10 with a satisfactory grade or equivalent.

Students gain practical experience by working in a law office or other legal environment. Students are supervised by an attorney, paralegal supervisor, or other legal personnel. These unpaid internship positions are available in a variety of legal fields and legal settings. Through weekly seminars, Students also gain and share information on preparing for permanent employment. Students must complete 108 hours in their internship assignments.

**LAW 7**

Street Law

3 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS.

Advisory: English 101.

Students develop a practical understanding of the u.s. legal system and Students will engage in active community participation. Students learn about areas of the law that affect the daily lives of all americans and u.s. residents. particularly relevant are the areas of consumer, housing, family, and employment law, along with marriage, and parental rights. additionally, Students learn fundamental criminal law and constitutional law principles. this knowledge provides a platform for guided discussion of important public policy issues concerning crime, discrimination, health care, and immigration.

**LAW 10**

Introduction to Legal Assistant I

3 UNITS (CSU)

Co-requisite: English 101 or equivalent.

The students learn about careers in the paralegal profession; the inner workings of the law office; ethics and professional responsibility; sources of American law; the court system and alternative dispute resolution; and conducting interviews and investigations. This is an introductory course in understanding the role of the paralegal in the legal field.



**LAW 11**

## Introduction to Legal Assistant II

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Law 10 and English 101

Students study a detailed examination of civil cases, the methods used in trial preparations and are introduced to legal drafting and writing.

**LAW 12**

## Tort Law and Claims Investigation

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Law 10 and English 101

Students learn the academic and practical principles of tort law needed for a successful career as a paralegal. Special emphasis will be placed on the three major categories of tort law: Intentional Torts; Negligence; and Strict Liability. Other topics covered include, but are not limited to, Malpractice; Misrepresentation; Product Liability; Defamation; Vicarious Liability; and Joint Liability.

**LAW 13**

## Wills, Trusts, and Probate Administration

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the fundamental principles of the law of wills and trusts, including simple will and trust forms and formation. Students learn the organization and jurisdiction of the California Probate Court, with an overview of the administration of estates in probate.

**LAW 14**

## Law Office Management

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn comprehensive, up-to-date information on the use of technology by paralegals in all types of legal organizations. This course describes basic computer concepts as well as more complex skills and software programs, with coverage and assignments for Word, Excel, Adobe Acrobat, AbacusLaw, CaseMap, HotDocs, Summation iBlaze, Tabs3, TimeMap, TrialDirector, and more. This course covers important topics such as electronic discovery, Internet legal/factual research, legal timekeeping and billing, litigation support software, and case management and docket control software. A variety of other topics are covered including mobile computing, document management, security, ethics, the electronic courthouse and many other trends in legal computing.

**LAW 17**

## Legal Writing

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Law 10 and English 101 with satisfactory grades or equivalent.

Students study advanced legal drafting and writing, including special research projects.

**LAW 18**

## Marriage and Family Law

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Law 10 with satisfactory grades or equivalent.

This course presents fundamental common law and statutory concepts of family law with emphasis on California's Community Property Laws.

**LAW 19**

## Property and Creditor Rights

3 UNITS

LECTURE 3 HOURS

An introduction to California real property law. Students learn the following subject matter: Forms of Ownership; Estates in Real Property; Property Title in California; Agency Law; the Rights and Duties of Landowners; Disputes Between Neighbors in California; Involuntary Liens in California; Foreclosure Law in California; California Real Estate Sales Contracts; Tenant—Landlord Law; Fair Housing; Transfers of Real Property; Common Interest Developments in California; Restrictions on Land Use; Environmental Law; Litigating a Real Property Case in California; Negotiation; and Personal Property.

**LAW 33**

## Law and the Media

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the federal, state, and local laws that most directly affect mass communication in the United States, focusing on: a basic understanding of the American legal system, its institutions, and some of its terminology; a broad understanding of First Amendment principles as they relate to mass communication; and a working knowledge of the laws that directly restrict or enhance information gathering and message dissemination in the mass media, and an understanding of the rationales behind those laws.

**LAW 35**

## Immigration Law for Paralegals

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the fundamental concepts of immigration law including grounds of exclusion, defenses to deportation, petitions and visa applications. Research and writing will be emphasized in the areas of amnesty, naturalization, citizenship, international law, criminal aspects of immigration, and various types of immigration applications.

**LAW 37**

## Bankruptcy Law

3 UNITS

LECTURE 3 HOURS

Students learn the basics of bankruptcy law and procedure. The course focuses predominantly on Chapter 7 and Chapter 13 Bankruptcy, including preparing the necessary forms for these types of bankruptcy. Other topics include, but are not limited to, the evolution of bankruptcy law, researching bankruptcy law, the roles of various individuals in the bankruptcy process, and information gathering and counseling.

**LAW 38**

## Criminal Law and Procedure

3 UNITS

LECTURE 3 HOURS

Students learn substantive criminal law and the procedural rights of criminal defendants. The two essential elements of a crime - mens rea and actus reus - will be covered in detail. Other topics that will be covered include, but are not limited to, crimes against the person, crimes against property and habitation, crimes against the public, parties and inchoate offenses, and factual and statutory defenses.

**LAW 51**

## Legal Research for Paralegals

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Law 10 and English 101 with a satisfactory grade or equivalent.

Students learn how to perform library and computer-assisted legal research. Topics include finding the law by using legal encyclopedias; treatises; legal periodicals; A.L.R. annotations; Restatements; case reporters, digests, and their alternatives; case citators; constitutions and statutes; regulations; agency decisions; and looseleaf services. Students also receive hands-on training in Westlaw and LexisNexis.

**LEARNING FOUNDATION (LRNFDTN)****LEARNING FOUNDATION 1**

## Adaptive Keyboarding

1 UNIT NDA

LABORATORY 3 HOURS

Designed for students with verified disabilities, this class provides individual instruction in keyboarding basics. Assistive technology may also be introduced for successful access to keyboard or screen. Basic reading and writing skills are not addressed in this course.

**LEARNING FOUNDATION 2**

## Adaptive Word Processing Operations

1 UNIT NDA

LABORATORY 3 HOURS.

Designed for students with verified disabilities, this class provides individual training in the use of word processing technologies. Students learn skills at an individual, non-competitive pace using assistive hardware and software when needed. Knowledge of keyboarding skills is helpful but not required. Basic reading and writing skills are not addressed in this course.

**LEARNING FOUNDATION 3**

## Adaptive Computer Operations

1 UNIT NDA

LABORATORY 2 HOURS

Designed for students with verified disabilities, this course provides individual assessment of assistive computer needs. Students will learn how to use the latest technologies (hardware and software) to make computer applications accessible. The type of technologies and the extent of the training will depend on the student's disability and needed applications. Knowledge of keyboarding skills is helpful but not required. Basic reading and writing skills are not addressed in this course. This course may be scheduled at times to be arranged (TBA) for a minimum of 54 hours.

**LEARNING FOUNDATION 31**

## Study Strategies for Students with Learning Differences

3 UNITS NDA

LECTURES 3 HOURS

Students learn study skills utilizing multi-sensory techniques and strategies for coping with the demands of the college's academic curriculum. This study skills class is specifically designed for students with learning disabilities. Enrollment is intended for students with current functional limitations that impede or prevent the student from benefiting from their academic classes without this foundation and support. Grades are awarded on a Pass/No-Pass basis.

**LEARNING FOUNDATION 31A**

## Study Strategies for Students with Learning Differences

1 UNIT NDA

LECTURES 1 HOUR

Students with disabilities learn how to employ multi-sensory techniques and strategies in order to meet the demands of the college's academic curriculum. Enrollment is intended for students with current functional limitations that impede or prevent the student from benefiting from their academic classes without this foundation and support.

**LEARNING FOUNDATION 40**

## Introduction to Learning Disabilities

1 UNIT NDA

LABORATORY 3 HOURS

The student learns about learning disabilities and the laws, accommodations, and services available for academic improvement. Through assessment, the student discovers personal learning strengths and weaknesses in order to develop a plan for academic success. Eligibility for support services will be determined. Grades are awarded on a Pass/No-Pass basis.

**LEARNING FOUNDATION 70**

## Fundamentals of Arithmetic Laboratory

1 UNIT NDA

LABORATORY 3 HOURS

This course is designed for students with verified disabilities. Students will receive individualized, small group and computer assisted instruction. Students can supplement and enhance learning in mathematics through tutorial and self-help assistance, calculators, computers, programmed texts, assistive technology, tactile graphics, instruction in online learning systems and other specialized learning aids.

**LEARNING SKILLS (LRNSKIL)****LEARNING SKILLS 1**

## Reading Comprehension

3 UNITS NDA

LECTURE 3 HOURS

The student learns individualized reading for English as a Native Language (ENL) or English as a Second Language (ESL) Students at the beginning level. Students progress from reading sentences and paragraphs to short selections and excerpts from novels. Based upon a preliminary diagnostic assessment, students are placed in an appropriate Learning Skills reading course in which the Learning Skills Department staff utilizes a system of texts, testing, tutoring and personalized instruction to help students increase comprehension

skills and vocabulary development. Students may enroll through the twelfth week of the semester. This course is open to all Students. Grades are awarded on a Pass/No-Pass basis.

### LEARNING SKILLS 2

English Fundamentals

3 UNITS NDA

LABORATORY 9 HOURS

The student learns beginning-to-advanced grammar. Students receive instruction in the basic structure of the sentence, parts of speech, phrases, clauses, and agreement; using verbs, pronouns, and modifiers correctly; punctuation, clear reference, a glossary of usage, and capital letters. After an initial diagnostic assessment, students are placed in an appropriate Learning Skills grammar course. Students may enroll through the twelfth week of the semester. This course is open to all Students. Grades are awarded on a Pass/No-Pass basis.

### LEARNING SKILLS 3

Vocabulary Development

5 UNITS NDA

LABORATORY 15 HOURS

The student learns to develop vocabulary definition and context skills at a beginning level. Depending upon the diagnostic assessment, students will be placed in an appropriate Learning Skills vocabulary program. Students may enroll through the twelfth week of the semester. This course is open to all students. Grades are awarded on a Pass/No-Pass basis.

### LEARNING SKILLS 6

Academic Study Skills

3 UNITS NDA

LABORATORY 9 HOURS

The student learns academic study skills. Students are introduced to making transitions to higher learning, first steps to self-discovery, time management, discovering how to learn, memorization, and reading. Depending upon the diagnostic assessment, students are placed in an appropriate Learning Skills study skills course. Students may enroll through the twelfth week of the semester. This course is open to all Students. Grades are awarded on a Pass/No-Pass basis.

### LEARNING SKILLS 7

Basic Composition

3 UNITS NDA

LABORATORY 9 HOURS

The student learns beginning to advanced writing instruction. Learning Skills 7 focuses on basic sentence structures, paragraph development and essay organization. Depending upon the diagnostic assessment, students are placed in an appropriate Learning Skills writing course. Students may enroll through the twelfth week of the semester. This course is open to all Students. Grades are awarded on a Pass/No-Pass basis.

### LEARNING SKILLS 8

Résumé Preparation and Job Search Skills

1 UNITS NDA

LABORATORY 3 HOURS

The student learns how to write a résumé and cover letter. In addition, job search techniques and job interview skills are explored. Depending upon the diagnostic assessment, students will be

placed in an appropriate Learning Skills résumé preparation course. Students may enroll through the twelfth week of the semester. This course is open to all Students. Grades are on a Pass/Non-Pass basis.

### LEARNING SKILLS 10

Mathematics Fundamentals

3 UNITS NDA

LABORATORY 9 HOURS

Individualized review of basic mathematics skills involving whole number properties, order of operations, exponents, prime numbers, fractions, decimals, percents, ratio and proportion, simple geometry, statistical graph analysis, and signed numbers. Depending upon the diagnostic assessment, students will be placed in an appropriate program. Students may enroll through the twelfth week of the semester. This course is open to all Students. Grades are on a pass/no-pass basis.

### LEARNING SKILLS 11

Elementary Algebra

5 UNITS NDA

LABORATORY 15 HOURS

The student learns basic algebra skills including the language of algebra; equations and inequalities, polynomials, factoring; rational expressions; graphing and inequalities; linear equations; exponents and radicals; quadratic equations. Depending upon the diagnostic assessment, students are placed in an appropriate Learning Skills elementary algebra course. Students may enroll through the twelfth week of the semester. This course is open to all Students. Grades are awarded on a Pass/No-Pass basis.

### LEARNING SKILLS 24

Theory & Practice of Tutoring

3 UNITS NDA

LABORATORY 9 HOURS

The student learns theory and practice in tutoring sessions. Also, tutor training is provided in each tutor's discipline. Depending upon the diagnostic assessment, students are placed in an appropriate Learning Skills theory and practice of tutoring course. Students may enroll through the twelfth week of the semester. This course is open to all Students. Grades are awarded on a Pass/No-Pass basis.

### LEARNING SKILLS 40

Introduction to Learning Disabilities

1 UNIT NDA

LABORATORY 3 HOURS

This course will explore the nature of learning disabilities and the laws, accommodations, and services available for academic improvement. Through assessment, students will discover personal learning strengths and weaknesses to develop a plan for academic success. Eligibility for support services will be determined.

### LEARNING SKILLS 41

Study Strategies for Students

3 UNITS NDA

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Students learn study skills utilizing multi-sensory techniques and strategies for coping with the demands of the college's academic curriculum. This study skills class is specifically designed for Students with learning disabilities. Enrollment is intended for students with current functional limitations that impede or prevent the student from benefiting from their academic classes without this foundation and support. Grades are awarded on a Pass/No-Pass basis.

**LEARNING SKILLS 43**

## Adaptive Computer Operations

1 UNIT NDA

LABORATORY 3 HOURS

Offered on a Pass/no-pass basis only.

Students with disabilities learn how to use adaptive computer modifications and/or assistive technology utilizing keyboarding, word processing, database management and other appropriate software applications. Enrollment is intended for students with current functional limitations that require individually-paced training.

**LEARNING SKILLS 485**

## Internet Research

1 UNIT NDA

LABORATORY 2 HOURS

The Internet Research course teaches students how to use search engines; basic and advanced searches with Boolean operators; how to locate, store, and retrieve materials in various content fields; how to critically evaluate these sources; and how to use cite electronic resources. Depending upon the diagnostic assessment, students will be placed in an appropriate program. Students may enroll through the twelfth week of the semester. Grades are on a pass/no-pass basis.

**LIBRARY SCIENCE (LIB SCI)****LIBRARY SCIENCE 101**

## Library Research Methods

1 UNIT (UC: CSU)

LECTURE 1 HOUR.

Prerequisite: CAOT 1

Students conduct research using the library's electronic and print resources, evaluate the differences between academic and popular sources, develop search strategies, apply citation rules, and analyze the basic requirements of academic integrity.

**LINGUISTICS (LING)****LINGUISTICS 1**

## Introduction to Language and Linguistics

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 28 and 67 or or ESL 8 equivalent.

Students are introduced to the scientific study of language to gain an understanding of language structures, functions, linguistic universals, and the relationship between language and cognition.

**LINGUISTICS 2**

## Introduction to Sociolinguistics

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 28 and 67 or ESL 8 or equivalent.

Advisory: Linguistics 1

Students study the processes of linguistic variation and its relationship to geography and socio-cultural identity in both monolingual and multilingual settings. Students gain an understanding of language as a communicative, semiotic, and cognitive tool in society.

**LINGUISTICS 3**

## Introduction to Psycholinguistics

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 28 and 67 or ESL 8

Advisory: Linguistics 1

In this general introduction to psycholinguistics course, students focus on speech, perception, language processing, language production, and language acquisition. Students study the relationship between the theories proposed by linguistics and data as observed in everyday life. Students also review related areas such as processes of reading, language and the brain, and language and thought.

**MANAGEMENT (MGMT)****MANAGEMENT 2**

## Organization and Management Theory

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the basic process of the management of an organization. The course presents the process of achieving set goals and objectives in a formal organization. The course objectives include : (a) To provide the student with a basic framework of the subject matter through an overview of how an enterprise is organized and managed. (2) To develop student sensitivity to the four key tools of management - planning, organizing, influencing, controlling. (3) To introduce learning tracks by which students will appreciate the essence of management activities throughout the process and activities related to production, distribution, finance and administration, and decision-making.

**MANAGEMENT 13**

## Small Business Entrepreneurship

3 UNITS (CSU)

LECTURE 3 HOURS

Students receive the fundamentals of how to organize and operate a small business.

**MANAGEMENT 31**

## Human Relations for Employees

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

The Students learns to recognize and develop those traits necessary for good relations with fellow workers, supervisors, subordinates, customers, and other business associates.

**MANAGEMENT 33**

## Personnel Management

3 UNITS (CSU)

LECTURE 3 HOURS

The Student will learn the essentials of human resource management. Topics include recruitment, selection, training, appraisals, compensations, benefits, labor relations and collective bargaining.

## MARKETING (MARKET)

### MARKETING 1

Principles of Selling  
3 UNITS (CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students learn about careers in selling, ethics in selling, the psychology of selling and benefit selling. They learn prospecting methods, the approaches to customers, using questions in selling, techniques for meeting objections to buying and techniques for closing the sale. This course is one of a series of classes which lead to the Marketing Certificate and the AA Degree with a major in marketing.

### MARKETING 11

Fundamentals of Advertising  
3 UNITS (CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students have an opportunity to explore the planning process, the strategies and the techniques used by corporations and small businesses to stimulate sales.

### MARKETING 21

Principles of Marketing  
3 UNITS (CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students learn the importance of making decisions with the customer in mind and the need to select target markets for products and services. The course covers decision making relative to product development and management, trademarks, wholesaling, retailing, selling, sales promotion, advertising and pricing. It is the first in a series of courses which lead to the Certificate in Marketing and the AA Degree with a major in marketing.

### MARKETING 31

Retail Merchandising  
3 UNITS (CSU)  
LECTURE 3 HOURS

The Student will learn the principles and procedures in retailing, including a study of store location, store layout, store organization, buying, pricing, stock planning, and retail sales promotion.

## MATHEMATICS (MATH)

### Placement Information

High school courses are not accepted as equivalent to college courses. Every new incoming student will be required to take the math assessment unless he/she has satisfied the prerequisite by a college level course or a comparable assessment process from another college (must not be based on high school transcripts). The result of the assessment test is valid for one year. Students are encouraged to start their mathematics sequence as soon as possible after the assessment is taken.

If you place in a 200 level math course, you should review the Mathematics Course Sequence flowchart to determine which track best fits your circumstance and discuss your choice with a counselor. UC maximum limit: Refer to [www.assist.org](http://www.assist.org)

### MATHEMATICS 10

Math as a Second Language (MSL)  
1 UNIT  
LECTURE 1 HOUR.

Students study the basic mathematics sequence. The course introduces mathematical language and notation, along with fundamental concepts necessary for successful completion of the mathematics sequence. Topics include writing and speaking mathematical language, understanding how to determine what a problem is asking, and a multi-step program for solving problems. Also included are techniques that will enable students to have a positive outlook toward future mathematics classes.

### MATHEMATICS 100

Mathematics Workshop  
1 UNIT NDA  
LABORATORY 3 HOURS

Co-requisite: MATH 105 or 111 or 113 or 114 or 115 or 124, or 215 or 216 or 227 or 230 or 236 or 240 or 245 or 260.

Students can supplement and enhance learning in mathematics through tutorial and self-help assistance, calculators, computers, programmed texts and other learning aids.

### MATHEMATICS 105

Arithmetic NDA  
3 UNITS  
LECTURE 1 HOUR. LABORATORY 5 HOURS.

Students learn to perform arithmetic operations with whole numbers, fractions, and decimals. Students learn to solve word problems including whole numbers, fractions, decimals, and percents. Students learn ratios, rates, proportions and everyday life application.

### MATHEMATICS 110

Introduction to Algebraic Concepts  
5 UNITS NDA  
LECTURE 5 HOURS

Prerequisite: Math 105 with a satisfactory grade or better.

This course reviews topics in arithmetic relevant to algebra and introduces ideas necessary for understanding algebra. Students discuss fundamental notions of algebra including the arithmetic of signed numbers and solving first degree equations using properties of equality.

### MATHEMATICS 112

Pre-Algebra  
3 UNITS NDA  
LECTURE 3 HOURS

Prerequisite: Math 105 with a satisfactory grade or better.

The Student can, in this course, bridge the gap between arithmetic and algebra. Topics include operations with signed numbers, order of operations, evaluating expressions and formulas, rules of integer exponents, distributive property, working with polynomials, solving simple equations, working with graphs, linear equations, word problems, and basic geometry.



**MATHEMATICS 113**

Elementary Algebra A

3 UNITS

LECTURE 3 HOURS

Prerequisite: Mathematics 112 with a satisfactory grade or equivalent.

This is the first half of Mathematics 115. This course is for those who have had no algebra or whose preparation in algebra is deficient. Topics include inequalities, an introduction to polynomials and their operations, equations, factoring, and graphs of two variables.

**MATHEMATICS 114**

Elementary Algebra B

3 UNITS

LECTURE 3 HOURS

Prerequisite: Mathematics 113 with a satisfactory grade or equivalent.

This is the second half of Mathematics 115. Mathematics 113 and Mathematics 114 together are equivalent to Mathematics 115 (see course description for Mathematics 115). Credit is allowed in only one Mathematics 115, or Mathematics 113 and 114 combination. Simultaneous enrollment in Mathematics 113 and Mathematics 114 is not permitted. Topics include factoring polynomials, manipulating rational expressions and equations, manipulating roots and radicals, solving and graphing quadratic equations.

**MATHEMATICS 115**

Elementary Algebra

5 UNITS

LECTURE 5 HOURS

Prerequisite: Mathematics 112 with a satisfactory grade or equivalent.

This course covers operations on real numbers and algebraic expressions, solving linear equations and inequalities in one variable, graphing linear equations and inequalities in two variables, solving systems of linear equations in two variables, exponents, operations on polynomials, factoring polynomials, operations on rational expressions, solving rational equations, simplifying radical expressions, solving radical equations, solving quadratic equations, and graphing quadratic equations.

**MATHEMATICS 121**

Elementary Geometry for College Students

3 UNITS (A)

LECTURE 3 HOURS

Prerequisite: Mathematics 115 with a satisfactory grade or equivalent.

The Student learns the definitions, axioms and theorems of geometry relating to angles, lines, circles and polygons. Basic constructions are introduced. The meaning and techniques of logical proofs are heavily emphasized.

**MATHEMATICS 124A**

Intermediate Algebra - A

2.5 UNITS

LECTURE 2 HOURS. LABORATORY 1 HOUR.

Prerequisite: Mathematics 114 or 115 with satisfactory grade or equivalent.

The Student learns the first part of Mathematics 125. Mathematics 124A and 124B together are equivalent to Mathematics 125. Topics

include linear functions, systems of linear equations, inequalities, polynomials, rational expressions and rational functions. Credit is allowed in only one Mathematics 125, or the Mathematics 124A and 124B combination. Simultaneous enrollment in Math 124A and 124B is not permitted.

**MATHEMATICS 124 B**

Intermediate Algebra - B

2.5 UNITS

LECTURE 2 HOURS. LABORATORY 1 HOUR.

Prerequisite: Mathematics 124A with satisfactory grade or equivalent.

The Student learns the second part of Mathematics 125. Mathematics 124A and 124B together are equivalent to Mathematics 125. Topics include quadratic functions and equations; composite, inverse exponential and logarithmic functions; circles; and sequences, series, and binomial theorem. Credit is allowed in only one Mathematics 125, or the Mathematics 124A and 124B combination. Simultaneous enrollment in Math 124A and 124B is not permitted.

**MATHEMATICS 125**

Intermediate Algebra

5 UNITS

LECTURE 5 HOURS

Prerequisite: Mathematics 115 with a satisfactory grade or equivalent.

Note: A maximum of 8 UNITS may be earned by any combination of Mathematics 125, 240, and 245.

Students learn techniques for solving compound linear inequalities as well as absolute value equations and inequalities, solving systems of linear equations in two and three variables, simplifying non-linear expressions and solving non-linear equations such as polynomial, rational, radical, exponential, and logarithmic. Students learn techniques for rewriting the equation in the standard form for parabola and circle, and graph. Students learn how to compute terms and sums of arithmetic and geometric series. Students will apply the binomial theorem to expand the binomial with given power. Applications are included in a wide variety of word problems.

**MATHEMATICS 157**

Just in Time Support for Statistics

1 UNIT

LABORATORY 2 HOURS

Co-requisite: Mathematics 227

Course covers core mathematics skills and concepts needed for elementary statistics. Intended for students who are concurrently enrolled in Math 227 Statistics. Topics include concepts from arithmetic, pre-algebra, elementary and intermediate algebra that are needed to understand the basics of statistics: numbers and the number lines, operations on numbers, sets, equations and inequalities, graphing points and lines in two dimensions, reading tables and graphs, and approximating areas.

**MATHEMATICS 167**

Pre-Statistics

5 UNITS NDA

LECTURE 5 HOURS

Prerequisite: Mathematics 110 or Math 112 with a satisfactory grade or equivalent; or Placement.

Students learn key concepts of descriptive statistics such as observational and experimental design, graphical and tabular

displays of data, measures of center and spread, probability, the normal distribution, and regression. This course is designed as a prerequisite solely for Statistics (Math 227). Students will not get math competency credit for taking This course towards an AA/AS degree. If students wish to proceed to another course other than Math 227, they would need to go back and take Math 125.

**MATHEMATICS 177**

Algebra and Foundation to Statistics

5 UNITS

LECTURE 5 HOURS

Prerequisite: Mathematics 110 or Math 112 with a satisfactory grade or equivalent; or Placement.

Students learn key concepts of descriptive statistics such as observational and experimental design, graphical and tabular displays of data, measures of center and spread, and regression. Students learn the concept of domain and range, simplifying non-linear expressions, solving formulas, evaluating radical expressions, and summation notation. Students learn techniques to solve compound linear inequalities, polynomial, exponential, and logarithmic equations. Applications are included in a wide variety of word problems

**MATHEMATICS 190**

Algebra for STEM Majors

6 UNITS

LECTURE 4 HOURS. LABORATORY 4 HOURS.

Prerequisite: Mathematics 110 or Math 112 with a satisfactory grade or equivalent.

An accelerated course covering the topic of Elementary and Intermediate Algebra. Topics include the real number system, rules of exponents, linear equations and Inequality In one variable, linear equations and Inequality In two variables, systems of linear equations and Inequalities, nonlinear systems of equations, polynomial operations, factoring polynomials, rational expressions, rational equations and Inequalities, radical expressions and rational exponents, radical equations and Inequalities, quadratics equations and Inequalities, functions and their graphs, exponential and logarithmic functions, the conic sections, and sequences and series.

**MATHEMATICS 202**

Mathematics Workshop II

1 UNIT (CSU)

LABORATORY 3 HOURS

Co-requisite: One of the following Co-req: Math 215, 216, 230, 236, 240, 245, 260, 261, 262, 263, 270, or 275.

Students supplement and enhance their learning in mathematics by providing tutorial and self-help assistance, calculators, computers, programmed text, and other learning aids for baccalaureate level mathematics courses.

**MATHEMATICS 215**

Principles of Mathematics I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Mathematics 125 with a satisfactory grade or equivalent.

This course is the first of two in a sequence designed for prospective elementary school teachers. The Student will learn topics including sets and relations, numbering systems, and elementary number

theory. The main emphasis, however, will be understanding the structure of systems of whole numbers, integers, and rational numbers.

**MATHEMATICS 216**

Principles of Mathematics II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Mathematics 215 with a satisfactory grade or equivalent.

This course is the second of two in a sequence for prospective elementary school teachers. Topics include decimal and real numbers, rational numbers, abstract mathematical systems, geometry and the metric system.

**MATHEMATICS 227**

Statistics

4 UNITS (UC: CSU)

LECTURE 4 HOURS

Prerequisite: Mathematics 125 or 167 with a satisfactory grade or equivalent.

This course is an introduction to probability, descriptive and inferential statistics including measures of central tendency and dispersion, sampling, and estimation. Hypothesis testing, analysis of variance, test of independence, linear correlation and regression analysis also are covered.

**MATHEMATICS 230**

Mathematics for Liberal Arts Students

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Mathematics 125 or 124B or 190 with a satisfactory grade or equivalent.

Advisory: Mathematics 100 and 202

Students receive instruction in topics which include linear equations and functions, applications of linear functions, systems of linear equations, matrices, system of linear inequalities, linear programming using the graphical method, mathematics of finance, logic, set theory, probability, basic counting, and statistics.

**MATHEMATICS 236**

Calculus for Business and Social Sciences

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Mathematics 124B, 125 or 190 with a satisfactory grade or equivalent.

This course consists of elementary differential and integral calculus of algebraic, exponential and logarithmic functions, as well as derivatives and the method of Lagrange multipliers. Applications to business and the social sciences are emphasized.

**MATHEMATICS 240**

Trigonometry

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Both Mathematics 125 and 121 with satisfactory grades or equivalent.

Students in Math 240 study the sine, cosine, and tangent functions, including a study of their graphs, inverses of the functions, solution

of triangles, models for periodic phenomena, identities, conditional equations, and polar coordinates. Students also learn the basic properties of the cotangent, secant, and cosecant functions.

### **MATHEMATICS 245**

College Algebra

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Mathematics 125 with a satisfactory grade or equivalent.

Students receive instruction to solve linear, rational, polynomial, exponential, and logarithmic equations; graph linear, rational, polynomial, exponential, and logarithmic functions; solve linear and nonlinear systems of equations and inequalities; sequences and series.

### **MATHEMATICS 258**

Geometry and Trigonometry

5 UNITS

LECTURE 5 HOURS

Prerequisite: Mathematics 125 or 124B or 190 with a satisfactory grade or equivalent.

Students learn the definitions, axioms, and theorems of geometry relating to angles, lines, circles, and polygons. Practice in critical thinking and developing logical proofs are emphasized. This course also includes the study of the sine, cosine, and tangent functions, including a study of their graphs, inverses of the functions, basic properties of the cotangent, secant, and cosecant functions, measurement of angles in degrees and in radians, evaluating triangles, solving trigonometric equations, models for periodic phenomena, trigonometric identities, vectors, complex number, and polar coordinates.

### **MATHEMATICS 260**

Pre-calculus

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Mathematics 240 with a satisfactory grade or equivalent.

Students prepare for calculus, which covers the properties of polynomial, rational, algebraic, trigonometric, inverse trigonometric, exponential and logarithmic identities and equations, trigonometric form of complex numbers and DeMoivre's Theorem, conic sections with translation and rotation of axes, nonlinear systems of equations and inequalities, vector algebra with dot and cross products, polar coordinates and graphs of polar functions, partial fractions and mathematical induction.

### **MATHEMATICS 261**

Calculus I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Mathematics 260 with a satisfactory grade or equivalent.

This is the first of a three-course sequence in calculus. Topics include limits and continuity, rates of change, derivatives, applications of differentiation, integrals, the Fundamental Theorem of Calculus, and applications of integration.

### **MATHEMATICS 262**

Calculus II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Mathematics 261 with a satisfactory grade or equivalent.

This is the second in a three-course sequence in calculus. Topics include differentiation and integration of logarithmic, exponential, circular and hyperbolic functions and their inverses, indeterminate forms, improper integrals, standard techniques of integration, applications of integration to problems from economics, biology and probability, parametric equations and polar coordinates, infinite sequences and series, and representation of functions as power series.

### **MATHEMATICS 263**

Calculus III

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Mathematics 262 with a satisfactory grade or equivalent.

Students solve problems from vectors calculus, parametric equations, surfaces, partial differentiation, gradient, maxima and minima for functions of several variables, multiple integrals, surface integrals, and line integrals. Students consider physical and mechanical applications of Green's Theorem, Divergence Theorem, and Stokes' Theorem.

### **MATHEMATICS 270**

Linear Algebra

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Mathematics 261 with a satisfactory grade or equivalent.

This course develops the techniques and theory needed to solve and classify systems of linear equations. Solution techniques include row operations, Gaussian elimination, and matrix algebra. Investigates the properties of vectors in two and three dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as inner products, norms, orthogonality, eigenvalues, eigenspaces, and linear transformations. Selected applications of linear algebra are included.

### **MATHEMATICS 272**

Methods of Discrete Mathematics

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Mathematics 262 with a satisfactory grade or equivalent.

Students study logic, algorithms, number systems, mathematical induction, sets, counting principles, probability, Boolean algebra, logic network, Pigeonhole principle, cardinality and computability, recurrence relations and recursion, graph theory, switching circuits, trees.

**MATHEMATICS 275**

## Ordinary Differential Equations

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Mathematics 262 with a satisfactory grade or equivalent.

Students learn to categorize different types of differential equations. Students learn to use techniques such as separation of variables, exact differentials, homogeneity, and change-of-variable (substitution) to solve first-order equations as well as first-order Initial Value Problems (IVPs). Students apply this knowledge to solve real-world problems such as population growth and mixture problems. Students learn to solve higher-order linear differential equations using constant coefficient technique, the method of undetermined coefficients and variation of parameters. Students apply this knowledge to physics applications such as simple harmonic motion. Students solve equations of higher-order with variable coefficients applying specific techniques based on the type of the given equations. Topics Include: Cauchy-Euler Equations, Power Series solutions, Bessel's Equations, and Legendre's Equation. Students learn the Laplace transform and its properties and apply this knowledge to solving various differential equations as well as IVPs. Students use techniques for solving Systems of Linear Differential Equations.

**MICROBIOLOGY (MICRO)****MICROBIOLOGY 1**

## Introductory Microbiology

5 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 6 HOURS.

Prerequisite: Biology 3 or Physiology 1, and Chemistry 60.

Advisory: English 21 or equivalent.

This is an introductory microbiology course developed to prepare students for careers in biological sciences, pharmacy, optometry, veterinary medicine, nursing, physician assistant, and other allied health professions. This course explores the early history of microbiology, microbial classification, morphology, physiology, genetics, and ecology. Other topics include controlling microbial populations, microbial pathogenicity, immunology, and microbiological technology and applications in modern society. Laboratory techniques emphasize fundamental microbiological techniques, concepts, and applications, including current molecular diagnostic methods in microbial genetics and immunology. This course includes more lab hours than Microbiology 20, and it is recommended for students who need a 5-unit course with 6 hours of lab per week. This course is transferable as a major's preparation course for most CSUs and UC Irvine only. These majors may include: biology-related, nutrition, nursing, health science, kinesiology, dietetics, and various other majors. Students should consult with counselors to determine articulation of this course with their desired four-year institution and/or program.

**MICROBIOLOGY 20**

## General Microbiology

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Advisory: English 21 or equivalent and Chemistry 60.

This course was developed to prepare students for nursing and allied health majors. It examines principles in microbial classification,

metabolism, genetics, and the roles of microorganisms as pathogens. Immunology and methods of controlling microbial growth are explored. Laboratory techniques emphasize fundamental microbiological techniques, concepts, and applications, including current molecular diagnostic methods in microbial genetics and immunology. This course includes fewer lab hours than Microbiology 1, and it is recommended for students who need a 4-unit course with 3 hours of lab per week. This course is only transferable as a major's preparation course for some CSUs and UC Irvine only (fewer four-year institutions accept Microbiology 20 as a major's course). These majors may include: biology-related, nutrition, nursing, health science, kinesiology, dietetics, and various other majors. Students should consult with counselors to determine articulation of this course with their desired four-year institution and/or program.

**MICROBIOLOGY 40**

## Microbiology Laboratory

## Preparations

1 UNIT (CSU)

LABORATORY 3 HOURS

Co-requisite: Microbiology 1 or Microbiology 20

Students prepare media and reagents normally used in a bacteriological Laboratory with emphasis on safety and proper use and care of Laboratory equipment and supplies.

**MUSIC (MUSIC)****MUSIC 101**

## Fundamentals of Music

3 UNITS (UC: CSU)

LECTURE 3 HOURS

(For the non-Music major)

A study of the fundamentals of music including notation, meter signatures and rhythms, major and minor scales and key signatures, Intervals, triads, terms and symbols. Some sight reading and ear training is included. Satisfies Humanities requirement.

**MUSIC 111**

## Music Appreciation I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Required of all Music majors. Open to all Students.

The student learns about masterpieces of western music from the Middle Ages to the present day with an emphasis on perceptive listening. Topics include the elements of music, musical forms, music periods, styles, and the role of music and musicians in the western world. Fulfills humanities requirements for graduation.

**MUSIC 116**

## Survey and History of Rock, Pop, and Soul Music

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Introduction to rock, pop, and soul music styles covering their origins, stylistic development and cultural impact. This course is designed to increase Student awareness of the relationship between popular music and society.

**MUSIC 121**

## Music History and Literature I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: Music 111 and Music 202.

The student studies music history and literature from earliest times to 1750, including music of the ancient Greeks, early Christians, Middle Ages, Renaissance and Baroque periods, through the music of Bach and Handel.

**MUSIC 122**

## Music History and Literature II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: Music 111 and Music 202

A survey of music history and music literature from 1750 to the present time, including music of the pre-Classic, Classic and Romantic periods, as well as Contemporary classical music.

**MUSIC 135**

## African-American Music

3 UNITS (UC: CSU)

LECTURE 3 HOURS

A study of African and African-American music and their influence on folk, spirituals, gospels, concert music, opera, ballet, blues and jazz underscoring styles, characteristics, origin and contributions by African-American artists. (Credit allowed for only one of Music 135 and African-American Studies 60.) Satisfies Humanities requirement for graduation.

**MUSIC 136**

## Music In American Culture

3 UNITS (UC: CSU)

LECTURE 3 HOURS

A comparative and Integrative study of the multi-cultural music styles of the United States. Emphasis is given to the music of Native Americans, European Americans, African Americans, Chicano/Latino Americans, and Asian Americans, tracing the development of these various musical traditions from their historical roots to their influence on contemporary American music.

**MUSIC 137**

## Music as a Business

3 UNITS (CSU)

LECTURE 3 HOURS

The student learns the skills and knowledge necessary for success in the many careers available in the music industry. Covers the roles of personal managers, agents and attorneys; the process of producing, publishing and copyrighting songs; and record production and marketing.

**MUSIC 141**

## Jazz Appreciation

3 UNITS (UC: CSU)

LECTURE 3 HOURS

An introduction to American jazz music including its origins, stylistic development and cultural impact. This course is designed to increase Student awareness of the relationship between jazz music and American society.

**MUSIC 152-1 (FORMERLY MUSIC 152)**

## Current Musical Events I

1 UNIT (CSU)

LABORATORY 2 HOURS

The student observes live concert performances, developing an understanding of the basic elements of music and acceptable audience behavior.

**MUSIC 152-2**

## Current Musical Events II

1 UNIT (CSU)

LABORATORY 2 HOURS

The student observes and critiques live concert performances, developing an understanding of more advanced elements, styles and forms of music.

**MUSIC 161**

## Introduction to Electronic Technology

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Advisory: Music 101 and 311

The student learns to record, program, and arrange music using computers and industry standard digital audio software. Topics include audio fundamentals, MIDI sequencing, DIY recording techniques, mixing, and current trends in music production.

**MUSIC 180-1 (FORMERLY MUSIC 180)**

## Applied Music Laboratory I

1.5 UNITS

LABORATORY 5 HOURS

The student uses departmental practice rooms to enhance appropriate techniques and repertoire for the specific instrument or voice being studied in the co-requisite music course, with an emphasis on the progressive development of skills needed for solo performance. The focus is on playing or singing with precise rhythms, correct pitches and accurate intonation.

**MUSIC 180-2**

## Applied Music Laboratory II

1.5 UNITS (CSU)

LABORATORY 5 HOURS

The student uses departmental practice rooms to further enhance appropriate techniques and repertoire for the specific instrument or voice being studied in the co-requisite music course, with an emphasis on the progressive development of skills needed for solo performance. The focus is on playing or singing with the articulation, dynamics, phrasing, and expression appropriate to the literature being studied, and if singing, diction appropriate to texts of the literature.

**MUSIC 180-3**

## Applied Music Laboratory III

1.5 UNITS (CSU)

LABORATORY 5 HOURS

The student uses departmental practice rooms to further enhance appropriate techniques and repertoire for the specific instrument or voice being studied in the co-requisite music course, with an emphasis on the progressive development of skills needed for solo performance. The focus is on demonstrating appropriate blend



and balance when performing with an accompanist, and playing or singing in a manner suitable to the genre, period, and style of the literature.

**MUSIC 180-4**

Applied Music Laboratory IV

1.5 UNITS (CSU)

LABORATORY 5 HOURS

Prerequisite: Music 180-3

Co-requisite: Music 184

The student uses departmental practice rooms to further enhance appropriate techniques and repertoire for the specific instrument or voice being studied in the co-requisite music course, with an emphasis on the progressive development of skills needed for solo performance. The focus is on memorizing performance literature and development of repertoire for exit recital and auditions for transfer.

**MUSIC 181**

Applied Music I

0.5 UNIT (UC: CSU)

LABORATORY 1 HOUR

Co-requisite: Music 180-1.

The student studies appropriate techniques and repertoire for the specific instrument or voice being studied, with an emphasis on the progressive development of skills needed for solo performance. The focus is on playing or singing with precise rhythms, correct pitches and accurate intonation. Achievement is evaluated through a juried performance. For transfer-oriented music majors as determined by the Music Department. (Confirmation of enrollment subject to audition.)

**MUSIC 182**

Applied Music II

0.5 UNIT (UC: CSU)

LABORATORY 1 HOUR

Prerequisite: Music 181 with a satisfactory grade or equivalent.

Co-requisite: Music 180-2.

The student studies appropriate techniques and repertoire for the specific instrument or voice being studied, with an emphasis on the progressive development of skills needed for solo performance. The focus is on playing or singing with the articulation, dynamics, phrasing, and expression appropriate to the literature being studied, and if singing, diction appropriate to texts of the literature. Achievement is evaluated through a juried performance. For transfer-oriented music majors as determined by the Music Department. (Confirmation of enrollment subject to audition.)

**MUSIC 183**

Applied Music III

0.5 UNIT (UC: CSU)

LABORATORY 1 HOUR

Prerequisite: Music 182 with a satisfactory grade or equivalent.

Co-requisite: Music 180-3.

The student studies appropriate techniques and repertoire for the specific instrument or voice being studied, with an emphasis on the progressive development of skills needed for solo performance. The focus is on demonstrating appropriate blend and balance when performing with an accompanist, and playing or singing in a

stylistically appropriate manner suitable to the genre, period, and style of the literature. Achievement is evaluated through a juried performance. For transfer-oriented music majors as determined by the Music Department. (Confirmation of enrollment subject to audition).

**MUSIC 184**

Applied Music IV

0.5 UNIT (UC: CSU)

LABORATORY 1 HOUR

Prerequisite: Music 183 with a satisfactory grade or equivalent.

Co-requisite: Music 180-4.

The student studies appropriate techniques and repertoire for the specific instrument or voice being studied, with an emphasis on the progressive development of skills needed for solo performance. The focus is on memorizing performance literature and development of repertoire for exit recital and auditions for transfer. Achievement is evaluated through a juried performance. For transfer-oriented music majors as determined by the Music Department. (Confirmation of enrollment subject to audition.)

**MUSIC 185**

Directed Study

1 UNIT (CSU)

LECTURE 1 HOUR

Vocal and instrumental Students pursue directed study on a contract basis under the direction of a supervising instructor.

**MUSIC 200**

Introduction to Music Theory

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

The student writes and recognizes rhythm and meter, basic properties of sound, intervals, diatonic scales and triads, diatonic chords, basic cadential formulas and phrase structure, dominant seventh chords, figured bass symbols, and non-harmonic tones. The Student applies and develops these materials through ear training, sight singing, analysis, and dictation. The Student also develops skills in handwritten notation.

**MUSIC 201**

Harmony I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Music 200 with a satisfactory grade or equivalent.

Co-requisite: Music 217-2

The student writes and analyzes diatonic harmony including primary and secondary triads and the dominant seventh chord. Also includes figured bass and non-harmonic tones, as well as introducing two-part counterpoint, non-dominant seventh chords, secondary dominants and modulation. Students taking this class should also enroll in Music 217-2.

**MUSIC 202**

Harmony II  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Prerequisite: Music 201 with a satisfactory grade or equivalent.

Co-requisite: Music 218-2

The student writes and analyzes advanced diatonic and beginning chromatic harmony using seventh chords, modally borrowed chords, sequences, secondary dominants, simple modulations, basic musical forms, and the writing of original compositions. Students enrolling in this class should also enroll in Music 218-2.

**MUSIC 203**

Harmony III  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Prerequisite: Music 202 with a satisfactory grade or equivalent.

Co-requisite: Music 219-2

The student writes and analyzes advanced chromatic harmony using augmented chords, linear chromatic chords, Neapolitan chords, augmented-sixth chords, chromatic mediants, tall chords, altered chords, and enharmonic and chromatic modulation. The Student also writes and analyzes jazz and modal harmony as well as twentieth century techniques including Impressionism, tone rows, set theory, polytonality/pandiatonicism, and advanced meter/rhythm. Students enrolling in this class should also enroll in Music 219-2.

**MUSIC 205**

Commercial Harmony I  
3 UNITS (UC; CSU)  
LECTURE 3 HOURS

Prerequisite: Music 101

Students learn harmonic chord progressions used in popular music including rock, jazz, Latin, funk and fusion, among others. Students are introduced to song writing by adding a melody over given harmonic structures.

**MUSIC 211**

Musicianship I  
1 UNIT (UC: CSU)  
LABORATORY 3 HOURS

Prerequisite: Music 200

Co-requisite: Music 201

The student applies and develops the rhythmic, melodic, and harmonic materials of Harmony I through ear training, sight singing, analysis, and dictation.

**MUSIC 212**

Musicianship II  
1 UNIT (UC: CSU)  
LABORATORY 3 HOURS

Prerequisite: Music 211

Co-requisite: Music 202

The student applies and develops the rhythmic, melodic, and harmonic materials of Harmony II (advanced diatonic and beginning chromatic harmony) through ear training, sight singing, analysis, and dictation.

**MUSIC 213**

Musicianship III  
1 UNIT (UC: CSU)  
LABORATORY 3 HOURS

Prerequisite: Music 211

Co-requisite: Music 203

The student applies and develops the rhythmic, melodic, and harmonic materials of Harmony III (advanced chromatic harmony, jazz and modal harmony, and twentieth century techniques) through ear training, sight singing, analysis, and dictation.

**MUSIC 217-2**

Musicianship 2  
1 UNIT (CSU)  
LABORATORY 3 HOURS

Prerequisite: Music 200 with a satisfactory grade or equivalent.

Co-requisite: Music 201

The student applies and develops the rhythmic, melodic, and harmonic materials of Harmony I (diatonic harmony) through ear training, sight singing, analysis, and dictation.

**MUSIC 218**

Sight Reading I  
1 UNIT  
LECTURE 3 HOURS

The student will acquire basic skills in sight reading rhythms and melodies. The goal is to acquire sight reading skills necessary for reading, performing, composing and producing music.

**MUSIC 218-2**

Musicianship 3  
1 UNIT (CSU)  
LABORATORY 3 HOURS

Prerequisite: Music 217-2 with a satisfactory grade or equivalent.

Co-requisite: Music 202

The student applies and develops the rhythmic, melodic, and harmonic materials of Harmony II (advanced diatonic and beginning chromatic harmony) through ear training, sight singing, analysis, and dictation.

**MUSIC 219**

Sight Reading II  
1 UNIT (CSU)  
LECTURE 1 HOUR

Co-requisite: Music 203

The student will acquire skills in sight reading more advanced rhythms and melodies. The goal is to acquire sight reading skills necessary for reading, performing, composing and producing music.

**MUSIC 219-2**

## Musicianship 4

1 UNIT (CSU)

LABORATORY 3 HOURS

Prerequisite: Music 218-2 with a satisfactory grade or equivalent.

Co-requisite: Music 203

The student applies and develops the rhythmic, melodic, and harmonic materials of Harmony III (advanced chromatic harmony and twentieth century techniques) through ear training, sight singing, analysis, and dictation.

**MUSIC 220**

## Music Theory and Listening Lab

.5 UNITS (CSU)

LABORATORY 1 HOUR

Prerequisite: Music 161 with a satisfactory grade or equivalent.

The student learns the critical listening skills necessary for music production. Topics include identifying frequencies, instrument ranges, equalization, and effects. Students additionally learn contemporary arranging and production techniques..

**MUSIC 221**

## Counterpoint I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Music 202 with a satisfactory grade or equivalent.

The student studies 18th-century contrapuntal techniques in two, three and four voices, including species counterpoint, invertible counterpoint, motive development and canon and resulting in analysis and composition of two-part inventions, binary dance forms and three and four-part fugue expositions.

**MUSIC 223**

## Twentieth Century Compositional Techniques

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Music 202 with a satisfactory grade or equivalent.

The student learns melodic, harmonic and rhythmic techniques of the Twentieth Century, resulting in the writing of original compositions.

**MUSIC 224**

## Composition

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Music 201 with a satisfactory grade or equivalent.

The student composes instrumental works based on specific compositional techniques. The Student will establish a solid technique in counterpoint, harmony, and instrumentation, resulting in a greater awareness of new compositional ideas and aesthetics. The goal is to apply those techniques and ideas to the development of a personal approach to composition.

**MUSIC 231**

## Orchestration and Arranging I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Music 202 with a satisfactory grade or equivalent. Advisory: Music 241.

The student studies instrumentation and beginning orchestration, including writing for various instrumental groups.

**MUSIC 250**

## Music Performance Workshop

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

The student prepares, rehearses, and performs selected musical works for small ensemble, focusing on rhythm, articulation, expression, blend and balance, appropriate performance practice, and professional standards of conduct. (Confirmation of enrollment is subject to audition.)

**MUSIC 251-1 (FORMERLY MUSIC 251)**

## Jazz Improvisation Workshop I

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: Music 101

The student improvises and performs level one standard repertoire in a jazz combo setting. Focus is on swing, bebop and blues. For intermediate to advanced jazz instrumentalists only. (Confirmation of enrollment is subject to audition).

**MUSIC 251-2**

## Jazz Improvisation Workshop II

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

The student improvises and performs level two standard repertoire in a jazz combo setting. Focus is on modal and pentatonic scales and hard bop style. For intermediate to advanced jazz instrumentalists only. (Confirmation of enrollment is subject to audition).

**MUSIC 251-3**

## Jazz Improvisation Workshop III

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

The Student improvises and performs level three standard repertoire in a jazz combo setting. Focus is on modern jazz style. For intermediate to advanced jazz instrumentalists only. (Confirmation of enrollment is subject to audition).

**MUSIC 251-4**

## Jazz Improvisation Workshop IV

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Prerequisite: Music 251-3

The Student improvises and performs level four standard repertoire in a jazz combo setting. Focus is on Afro-Cuban and Brazilian jazz styles. For intermediate to advanced jazz instrumentalists only. (Confirmation of enrollment is subject to audition).

**MUSIC 261-1**

## Music Technology Workshop I

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

The student learns advanced electro-acoustic MIDI and computer assisted music techniques for both the Mac and PC platforms. Emphasis is on MIDI and audio sequencing in Pro Tools.

**MUSIC 261-2**

## Electronic Music Workshop II

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

PREREQUISITE: MUSIC 261-1

This is the second in an advanced series of courses that emphasize the study and application of electronic, electro-acoustic, and digital music techniques. Technical, compositional, and performance skills applied to synthesizers, computers, MIDI, software applications, virtual instruments and digital recording equipment will be introduced and developed.

**MUSIC 261-3**

## Electronic Music Workshop III

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: MUSIC 261-2

This is the third in an advanced series of courses that emphasize the study and application of electronic, electro-acoustic, and digital music techniques. Technical, compositional, and performance skills applied to synthesizers, computers, MIDI, software applications, virtual instruments and digital recording equipment will be introduced and developed.

**MUSIC 271**

## Songwriter's Workshop

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the conventions of songwriting including lyrics, melody the relationship of lyrics and music, harmony, and song structure. Students analyze a wide variety of songs and apply the conventions of songwriting in the composition and performance of original songs.

**MUSIC 281**

## Commercial Music Techniques I

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Music 161 and 201 with a satisfactory grade or equivalent.

The first in a sequence of courses offering the opportunity to develop the techniques of music for commercial applications. Skills in the preparation of music for compact disc and DVD production, multimedia applications, audio production techniques, song writing, arranging and stage performance will be emphasized.

**MUSIC 282**

## Commercial Music Techniques II

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS.

Prerequisite: Music 161 with a satisfactory grade or equivalent.

The student continues developing techniques of music for commercial applications. Advanced skills in the preparation of music for compact disc and DVD production, multimedia applications, audio production techniques, songwriting, score realization, stage performance and talent promotion will be emphasized.

**MUSIC 285**

## Directed Study

2 UNITS (CSU)

LECTURE 2 HOURS

Vocal and instrumental Students pursue directed study on a contract basis under the direction of a supervising instructor.

**MUSIC 291**

## Music Production for Multimedia 1

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 161

Advisory: Music 261

The student develops functional skills to utilize synthesizers, digital keyboards, sequencers, digital audio interface, MIDI controllers, computers and other MIDI equipment.

**MUSIC 292**

## MIDI Instrument Instruction II

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 291 with a satisfactory grade or equivalent.

The student continues to develop functional skills to utilize MIDI instruments. Emphasis is on advanced MIDI instrument techniques and applications in creative music technology using both Mac and PC computers.

**MUSIC 311**

## Piano I

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Open to all Students.

The student receives instruction in basic piano skills with an emphasis on learning to read music, play finger-patterns, scales, chords, and beginning pieces. Students are required to furnish their own headphones.

**MUSIC 312**

## Piano II

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Music 311 with a satisfactory grade or equivalent.

The student receives continued instruction in basic piano skills emphasizing Note reading, simpler major and minor scales in quarter and eighth Note patterns, triads, repertoire and memorization. (If Prerequisite is not met, enrollment is subject to audition.)

**MUSIC 313**

Piano III

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Music 312 with a satisfactory grade or equivalent.

The student receives continued instruction in developing piano skills with increasing emphasis on Note reading, major and minor scale techniques, cadences, triads, repertoire from major historical periods, and memorization. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 314**

Piano IV

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Music 313 with a satisfactory grade or equivalent.

The student receives instruction in piano skills emphasizing major and minor scales; major and minor arpeggios; repertoire from the Baroque, Classical, Romantic, and 20th Century; and memorization. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 341-1 (FORMERLY MUSIC 341)**

Intermediate Piano I

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

The student studies, practices, and performs level one intermediate piano repertoire from the Baroque, Classical, Romantic, and Twentieth Century periods selected by the instructor. Repertoire to include the equivalent of Bach inventions, Diabelli sonatas, Schumann Kinderszenen, and Kabalevsky Op. 27. Technique to include the equivalent of Hanon 60 exercises #1-19, Czerny Op. 100 #10-20, and all melodic minor scales in four octaves with cadences. Public performances are required. For the piano Student who has studied for two or more years of private or class piano. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 341-2**

Intermediate Piano II

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

The student studies, practices, and performs level two intermediate piano repertoire from the Baroque, Classical, Romantic, and Twentieth Century periods selected by the instructor. Repertoire to include the equivalent of Bach sinfonias, Haydn early sonatas, Chopin mazurkas and Bartok Mikrokosmos Book #3. Technique to include the equivalent of Hanon 60 exercises #20-29, Czerny Op. 100 #20-30, and all major scales in thirds in four octaves with cadences. Public performances are required. For the piano Student who has studied for two or more years of private or class piano. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 341-3**

Intermediate Piano III

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

The student studies, practices, and performs level three intermediate piano repertoire from the Baroque, Classical, Romantic, and Twentieth Century periods selected by the instructor. Repertoire to include the equivalent of Bach Well Tempered Clavier Book 1, Mozart early sonatas, Mendelssohn Songs without Words Book 1,

Shostakovich Preludes, Op. 34. Technique to include the equivalent of Hanon 60 exercises #30-39, Czerny Op. 299 #1-9, and all harmonic minor scales in thirds and arpeggios in four octaves with cadences. Public performances are required. For the piano student who has studied for two or more years of private or class piano. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 361-1 (FORMERLY MUSIC 361)**

Commercial Piano Techniques Workshop

2 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 201 and 313 with a satisfactory grade or equivalent.

The student learns chords and chord progressions used in jazz and popular music styles as applied to the keyboard, focusing on ii7-V7-I progressions and diatonic seventh chords, as well as their applicable commercial chord symbols. (If prerequisites are not met, enrollment is subject to audition.)

**MUSIC 361-2**

Commercial Piano Techniques Workshop II

2 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 361-1

The student learns chords and chord progressions used in jazz and popular music styles as applied to the keyboard, focusing on chromatic seventh chords and sequences, chord extensions and the blues scale. (If prerequisites are not met, enrollment is subject to audition.)

**MUSIC 361-3**

Commercial Piano Techniques Workshop III

2 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 361-2

The student learns chords and chord progressions used in jazz and popular music styles as applied to the keyboard, focusing on comping chords and rhythms, walking bass lines, chord substitutions, and various song forms. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 361-4**

Commercial Piano Techniques Workshop IV

2 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 361-3

The student learns chords and chord progressions used in jazz and popular music styles as applied to the keyboard, focusing on the Jazz styles of Blues, Swing, Ballad, Bebop, and Latin. Students will also realize lead sheets into two hand piano arrangements.

**MUSIC 385**

Directed Study

3 UNITS (CSU)

LECTURE 3 HOURS

Vocal and instrumental Students pursue directed study on a contract basis under the direction of a supervising instructor.



**MUSIC 400**

## Voice Fundamentals

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Students learn the fundamentals of singing, and perform simple songs and exercises. Students demonstrate an understanding of the singing mechanism, the body as a musical instrument, and develop vocal potential.

**MUSIC 401**

## Classical Voice I

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Music 400 with a satisfactory grade or equivalent.

The student concentrates on general basic fundamentals of singing using vocal exercises and simple arias and art songs in Italian. Italian pronunciation and vocal style will be studied. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 402**

## Classical Voice II

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Music 401 with a satisfactory grade or equivalent.

The student learns the basic fundamentals of singing using vocal exercises, simple arias and art songs in German. German pronunciation and vocal style are studied. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 403**

## Classical Voice III

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Music 402 with a satisfactory grade or equivalent.

The student learns the basic fundamentals of singing using vocal exercises, simple arias and art songs in French. French pronunciation and vocal style are studied. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 404**

## Classical Voice IV

1 UNIT (UC: CSU)

LABORATORY 2 HOURS

Prerequisite: Music 403 with a satisfactory grade or equivalent.

The student learns the fundamentals of singing using more advanced vocal exercises, arias and art songs in French, German and Italian. Focus is on interpretation and pronunciation. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 431**

## Commercial Voice I

1 UNIT (CSU)

LABORATORY 2 HOURS.

Prerequisite: Music 400 with a satisfactory grade or equivalent.

The student concentrates on the basic fundamentals of singing using vocal exercises and songs selected from the commercial song literature. Course includes coaching sessions with class accompanist. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 432**

## Commercial Voice II

1 UNIT (CSU)

LABORATORY 2 HOURS.

Prerequisite: Music 431 with a satisfactory grade or equivalent.

The student concentrates on the singing voice using more difficult vocal exercises and songs from the many areas of commercial vocal music. Stylistic interpretation and performance practices are emphasized. Coaching sessions with class accompanist are included. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 433**

## Commercial Voice III

1 UNIT (CSU)

LABORATORY 2 HOURS.

Prerequisite: Music 432 with a satisfactory grade or equivalent.

The more advanced singer concentrates on the study through performance of the stylistic interpretations and performances practices of the many areas of commercial vocal music. Course includes coaching sessions with class accompanist. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 434**

## Commercial Voice IV

1 UNIT (CSU)

LABORATORY 2 HOURS.

Prerequisite: Music 433 with a satisfactory grade or equivalent.

The advanced singer concentrates on the stylistic interpretations and performance practice of commercial vocal music, focusing on mic technique and the development of a unique personal style. Course includes coaching sessions with class accompanist. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 501**

## College Choir

1 UNIT (RPT 3) (UC: CSU)

LABORATORY 3 HOURS

The student prepares, rehearses and performs selected musical works for beginning choir, focusing on rhythm, intonation, articulation, expression, blend and balance, following the conductor, appropriate performance practice, and professional standards of conduct. (Confirmation of enrollment subject to audition.)

**MUSIC 531**

Philharmonic Choir  
1 UNIT (RPT 3) (UC: CSU)  
LABORATORY 3 HOURS

The student prepares, rehearses and performs selected musical works for a large intermediate choir, focusing on rhythm, intonation, articulation, expression, blend and balance, following the conductor, appropriate performance practice, and professional standards of conduct. (Confirmation of enrollment subject to audition.)

**MUSIC 561**

Chamber Chorale  
1 UNIT (RPT 3) (UC: CSU)  
LABORATORY 3 HOURS

The student prepares, rehearses and performs selected musical works for a small advanced choir, focusing on rhythm, intonation, articulation, expression, blend and balance, following the conductor, appropriate performance practice, and professional standards of conduct. (Confirmation of enrollment subject to audition.)

**MUSIC 601**

Brass Instrument Instruction I  
2 UNITS (UC: CSU)  
LECTURE 1 HOUR. LABORATORY 2 HOURS.

The student receives basic instruction on the brass instruments, including trumpet, French horn, trombone and tuba. Some instruments available to loan to enrolled Students. Open to all Students.

**MUSIC 602**

Brass Instrument Instruction II  
2 UNITS (UC: CSU)  
LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 601 with a satisfactory grade or equivalent.

The student continues brass instrument instruction with emphasis on the development of embouchure, range, endurance and music reading skills. Some instruments available to loan enrolled students. (If Prerequisite is not met, enrollment is subject to audition.)

**MUSIC 603**

Brass Instrument Instruction III  
2 UNITS (UC: CSU)  
LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 602 with a satisfactory grade or equivalent.

The student continues brass instrument instruction with increased emphasis in all areas covered. Primary emphasis is on interpretation of more complex rhythmic notation and performance skills. Some instruments available to loan to enrolled students. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 604**

Brass Instrument Instruction IV  
2 UNITS (UC: CSU)  
LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 603 with a satisfactory grade or equivalent.

The student continued brass instrument instruction with increased emphasis in all areas covered. Primary emphasis is on interpretation

of solo and small ensemble literature. Some instruments available to loan to enrolled Students. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 611**

String Instrument Instruction I  
2 UNITS (UC: CSU)  
LECTURE 1 HOUR. LABORATORY 2 HOURS.

The student receives basic instruction on the string instruments, either violin, viola, cello or bass. Some instruments available to loan to enrolled Students. Open to all Students.

**MUSIC 612**

String Instrument Instruction II  
2 UNITS (UC: CSU)  
LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 611 with a satisfactory grade or equivalent.

The student learns more advanced string instrument techniques with increased emphasis in all areas covered. Primary emphasis is on development of bow and fingering techniques and music reading skills. Some instruments available to loan to enrolled students. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 613**

String Instrument Instruction III  
2 UNITS (UC: CSU)  
LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 612 with a satisfactory grade or equivalent.

The student learns more advanced string instrument techniques with increased emphasis in all areas covered. Primary emphasis is on development of bow and fingering technique in third position and music reading skills. Some instruments available to loan to enrolled students. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 614**

String Instrument Instruction IV  
2 UNITS (UC: CSU)  
LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 613 with a satisfactory grade or equivalent.

The student learns more advanced string instrument techniques with increased emphasis in all areas covered. Primary emphasis is on interpretation of advanced solo and small ensemble literature. Some instruments available to loan to enrolled students. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 621**

Woodwind Instrument Instruction I  
2 UNITS (UC: CSU)  
LECTURE 1 HOUR.  
LABORATORY 2 HOURS

The student learns basic woodwind instrument techniques. Includes flute, oboe, clarinet, bassoon and saxophone. Some instruments available to loan to enrolled students. Open to all Students.

**MUSIC 622**

## Woodwind Instrument Instruction II

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 621 with a satisfactory grade or equivalent.

The student learns more advanced woodwind instrument techniques with increased emphasis in all areas covered. Primary emphasis is on embouchure development, range, endurance and music reading skills. Some instruments available to loan to enrolled students. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 623**

## Woodwind Instrument Instruction III

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 622 with a satisfactory grade or equivalent.

The student learns more advanced woodwind instrument techniques with increased emphasis in all areas covered. Primary emphasis is on interpretation of more complex rhythmic notation and performance skills. Some instruments available to loan to enrolled students. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 624**

## Woodwind Instrument Instruction IV

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 623 with a satisfactory grade or equivalent.

The student learns more advanced woodwind instrument techniques with increased emphasis in all areas covered. Primary emphasis is on interpretation of advanced solo and small ensemble literature. Some instruments available to loan to enrolled students. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 631**

## Percussion Instrument Instruction I

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

The student learns basic rhythms, rudiments, beginning notation and meters as applied to the snare drum and related percussion instruments.

**MUSIC 632**

## Percussion Instrument Instruction II

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 631 with a satisfactory grade or equivalent.

The student continues with basic rhythms, rudiments, beginning notation and meters as applied to the snare drum and related percussion instruments. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 633**

## Percussion Instrument Instruction III

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 632 with a satisfactory grade or equivalent.

The student receives intermediate instruction on percussion instruments and develop greater skill in the reading of percussion notation and in the playing of drum set. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 634**

## Percussion Instrument Instruction IV

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 633 with a satisfactory grade or equivalent.

The advanced student develops greater skill in the reading of percussion notation and in the playing of drum set as it relates to contemporary funk styles. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 635**

## Drum Set I

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 631 with a satisfactory grade or equivalent.

Advisory: Music 101 or Music 200.

The student learns beginning drum set techniques with an emphasis on popular musical styles, the role of the drum set in contemporary music, and drum set arranging for music production.

**MUSIC 650**

## Beginning Guitar

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

(Student must provide own guitar.)

The student learns basic positioning of body and hands, music notation and reading, finger picking and chord accompaniment. Designed for Students with no previous musical training. Student must provide own guitar.

**MUSIC 651**

## Classical Guitar I

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 650 with a satisfactory grade or equivalent.

(Student must provide own guitar.)

The student reinforces fundamental music reading, right and left hand playing techniques and performance of elementary solo guitar compositions. For students who wish to continue beyond the beginning level. Student must provide own guitar. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 652**

## Classical Guitar II

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 651 with a satisfactory grade or equivalent.

(Student must provide own guitar.)

The student performs intermediate level exercises and solos. For students who want to progress further into more technically demanding compositions. Student must provide own guitar. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 653**

## Classical Guitar III

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 652 with a satisfactory grade or equivalent.

(Student must provide own guitar.)

The student performs compositions of greater harmonic and technical complexity. For intermediate to advanced students who wish to probe deeper into analysis and performance practices of the classical guitarist. Student must provide own guitar. (If prerequisite is not met, enrollment is subject to audition.)

**MUSIC 654**

## Classical Guitar IV

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS.

Prerequisite: Music 653 with a satisfactory grade or equivalent.

(Student must provide own guitar.)

The student analyzes, prepares and performs advanced compositions for classical guitar, incorporating the full range of classical guitar techniques. Musicianship and aesthetics of music are considered in depth. Ensembles of various sizes prepare and perform music from all eras.

**MUSIC 661**

## Commercial Guitar I

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2.

Students interested in popular and jazz guitar techniques explore topics such as Chords, Scales, Blues and Swing patterns. Students also practice soloing styles and accompaniment techniques as well as ensemble playing in jazz bands and combos.

**MUSIC 662**

## Commercial Guitar II

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2.

Prerequisite: Music 661

This course is designed for Students interested in more advanced popular and jazz guitar techniques not covered in Music 661. Topics include major, minor and blues chords and associated scales. More advanced blues and swing style rhythmic patterns, soloing styles and accompaniment technique will be learned as well as ensemble playing in jazz bands and combos.

**MUSIC 663**

## Commercial Guitar III

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2.

Prerequisite: Music 662

This course is designed for Students interested in more advanced popular and jazz guitar techniques. Topics include Jazz chords, chord substitution, and associated scales. More advanced blues and swing style rhythmic patterns, soloing styles and accompaniment technique will be learned as well as techniques for ensemble playing in jazz bands and combos.

**MUSIC 664**

## Commercial Guitar IV

2 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2.

Prerequisite: Music 663

In this course, a continuation of mus 663, the Student will learn more advanced sight-reading and improvisation skills, advanced Jazz chords and chord substitutions with associated scales, comping styles, as well as the application of more advanced technical skills necessary for the performing amateur and professional guitarist. Jazz and popular music literature is used as a basis for study.

**MUSIC 670**

## Fingerboard Harmony

2 UNITS (CSU)

LECTURE 1 HOUR

Prerequisite: Music 650

Students further their understanding of chord construction and progressions on the guitar. (If Prerequisite is not met, enrollment is subject to audition.)

**MUSIC 705**

## Chamber Music

1 UNIT (RPT 3) (UC: CSU)

LABORATORY 3 HOURS

The student prepares, rehearses, and performs selected musical works for chamber ensemble, focusing on rhythm, articulation, expression, blend and balance, appropriate performance practice, and professional standards of conduct. (Confirmation of enrollment subject to audition.)

**MUSIC 711**

## Rehearsal Orchestra

1 UNIT (RPT 3) (UC: CSU)

LABORATORY 3 HOURS

The student prepares, rehearses and performs selected musical works for orchestra, focusing on rhythm, intonation, articulation, expression, blend and balance, following the conductor, appropriate performance practice, and professional standards of conduct. (Confirmation of enrollment subject to audition.)

**MUSIC 725**

## Community Orchestra

1 UNIT (RPT 3) (UC: CSU)

LABORATORY 3 HOURS

The student prepares, rehearses and performs selected large musical works for orchestra, focusing on rhythm, intonation, articulation,

expression, blend and balance, following the conductor, appropriate performance practice, and professional standards of conduct. (Confirmation of enrollment subject to audition.)

**MUSIC 751**

Wind Ensemble

1 UNIT (RPT 3) (UC: CSU)

LABORATORY 3 HOURS

The student prepares, rehearses and performs selected musical works for wind ensemble, focusing on rhythm, intonation, articulation, expression, blend and balance, following the conductor, appropriate performance practice, and professional standards of conduct. (Confirmation of enrollment subject to audition.)

**MUSIC 765**

Percussion Ensemble

1 UNIT (RPT 3) (UC: CSU)

LABORATORY 3 HOURS

The student prepares, rehearses and performs selected musical works for percussion ensemble, focusing on rhythm, articulation, expression, blend and balance, following the conductor, appropriate performance practice, and professional standards of conduct. (Confirmation of enrollment subject to audition.)

**MUSIC 771**

Guitar Ensemble

1 UNIT (RPT 3) (UC: CSU)

LABORATORY 3 HOURS

The student prepares, rehearses and performs selected musical works for guitar ensemble, focusing on rhythm, intonation, articulation, expression, blend and balance, following the conductor, appropriate performance practice, and professional standards of conduct. (Confirmation of enrollment subject to audition.)

**MUSIC 781**

Studio Jazz Band

1 UNIT (RPT 3) (UC: CSU)

LABORATORY 4 HOURS

The student prepares, rehearses and performs selected musical works for jazz band, focusing on rhythm, intonation, articulation, expression, blend and balance, following the conductor, improvisation of solos, and professional standards of conduct. (Confirmation of enrollment subject to audition.)

**MUSIC 782**

Jazz Combos

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

The student rehearses and performs selected musical works for small jazz ensembles with an emphasis on improvisation skills, group interplay, arranging, and rehearsal techniques. This course is designed for intermediate to advanced instrumentalists. (Confirmation of enrollment subject to audition.)

**MUSIC 911**

Cooperative Education - Music

1 UNIT (CSU)

LECTURE 1 HOUR

Advisory: Music 101 and 161

Students receive credit for approved internships with an employer in the music industry. The work site must be approved by the Department Chair.

**MUSIC 921**

Cooperative Education - Music

2 UNITS (CSU)

LECTURE 2 HOURS

Advisory: Music 101 and 161

Students receive credit for approved internships with an employer in the music industry. The work site must be approved by the Department Chair.

**MUSIC 931**

Cooperative Education - Music

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: Music 101 and 161

Students receive credit for approved internships with an employer in the music industry. The work site must be approved by the Department Chair.

**MUSIC 941**

Cooperative Education - Music

1 UNIT (CSU)

LECTURE 4 HOURS

Advisory: Music 101 and 161

Students receive credit for approved internships with an employer in the music industry. The work site must be approved by the Department Chair.

**NURSING (NURSING)****NURSING 100**

Certified Nursing Assistant

5 UNITS

LECTURE 3 HOURS. LABORATORY 6 HOURS.

This course is approved by the State of California. Students will be prepared to perform basic nursing tasks and educated about the roles and responsibilities of the Certified Nurse Assistant. Students perform skills that include principles of safety, infection control and basic patient care practices. Students who successfully complete the course are eligible to take the State Certification Examination.

**NURSING 101**

Home Health Aide

2 UNITS

LECTURE 1.5 HOURS. LABORATORY 1.25 HOURS

Prerequisite: Nursing 100.

Students learn to provide comfort, hygiene, nutrition, elimination, sleep and rest care activities to clients. Emphasis is on the role of the home health aide, interpretation of client needs, personal-care services, nutrition and cleaning and care tasks in the home. The Certified Nursing Assistant (CNA) will be prepared as a Home Health Aide (HHA) to perform in-home care to patients and assist them with activities of daily living. This course is approved by the State of California.



**NURSING SCIENCE (NRSCE)****NURSING SCIENCE 100****TRANSITION FROM LVN TO RN**

2 UNITS

LECTURE 2 HOURS

Eligible Licensed Vocational Nurses (LVN) participate in this bridge course to prepare for transition to the Registered Nurse (RN) program. Students learn and apply theory and skills in the following areas; role transition from LVN to RN, Professional Nursing, Nursing Process, Roy Adaptation Model and Maslow's Hierarchy of Needs, communication skills, ethical and legal issues affecting nursing practice, cultural assessment techniques, pharmacology, and dosage calculation.

**NURSING, REGISTERED (REGNRSG)****REGISTERED NURSING 103**

Nursing Pharmacology

1 UNIT (CSU)

LECTURE 1 HOUR.

Prerequisite: Admission to Nursing program.

Co-requisite: REGNRSG 104.

First semester nursing Students acquire introductory knowledge about the most frequently prescribed medications, their side effects, and possible interactions that are used in health care setting today.

**REGISTERED NURSING 104**

Nursing Foundations

4 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 6 HOURS

Prerequisite: Admission to Nursing program.

Students acquire introductory knowledge about theoretical concepts and fundamental skills in nursing that are required for safe patient care. Students also learn and apply the Roy Adaptation Model nursing process as the conceptual framework for practice. Then students develop enhanced critical thinking and psychomotor skills during the clinical component.

**REGISTERED NURSING 105**

Beginning Medical-Surgical Nursing

5 UNITS (CSU)

LECTURE 2.5 HOURS. LABORATORY 7.5 HOURS

Prerequisite: REGNRSG 104 with a satisfactory grade.

Students will develop introductory knowledge and understanding of common medical-surgical health problems, using knowledge about the Roy Adaptation Model nursing process. This framework will be used for implementing nursing care. Theoretical concepts and nursing skills will be applied by the students in a clinical setting.

**REGISTERED NURSING 106**

Nursing Care of the Childbearing Family

4 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 6 HOURS

Prerequisite: REGNRSG 105 with a satisfactory grade.

Students learn to assess and care for women through the lifespan and newborns, with emphasis on reproductive health and the childbearing years, healthy neonates, and women's health. Utilizing the Roy Adaptation model, the nursing process,

and QSEN competencies, family-centered care is emphasized, including identification of the bio-psycho-social needs, as well as cultural diversity, of patients and families. Students will apply concepts that include the disease process, medical treatments, nursing responsibilities, and interventions, cultural, ethical, and legal issues to the childbearing family.

**REGISTERED NURSING 107**

Nursing Care of the Pediatric Client

4 UNITS (CSU) (RPT 1)

LECTURE 2 HOURS. LABORATORY 6 HOURS

Prerequisite: REGNRSG 105 with a satisfactory grade.

Utilizing the Roy Adaptation Model and the nursing process, Students in pediatric nursing focus on the nursing care of children of various ages and their families. The Student applies concepts that include disease process, medical treatments, nursing responsibilities, interventions, cultural, ethical, and legal issues to the pediatric population.

**REGISTERED NURSING 108**

Nursing Care of the Client with Psychosocial Needs

4 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 6 HOURS

Prerequisite: REGNRSG 107 with a satisfactory grade and approved second year status in RN program.

The Student correlates theoretical knowledge and clinical experience in the care of the psychiatric patient in the acute care facility. Emphasis will be on the holistic care of clients with mental health problems, cognitive disorders, and/or difficulties in coping with problems of daily living.

**REGISTERED NURSING 109**

Intermediate Medial - Surgical Nursing

5 UNITS (CSU)

LECTURE 2.5 HOURS. LABORATORY 7.5 HOURS

Prerequisite: REGNRSG 106 and REGNRSG 107 with a satisfactory grade and approved second year status in RN program.

Students identify and manage the needs of the older adult client possessing complex medical-surgical health problems. Students focus on the bio-psycho-social impact of illness across the life span and nursing interventions to promote client adaptation. Students also apply theoretical concepts during concurrent clinical experience.

**REGISTERED NURSING 110**

Advanced Medical-Surgical Nursing

5 UNITS (CSU)

LECTURE 2.5 HOURS. LABORATORY 7.5 HOURS

Prerequisite: REGNRSG 108 and REGNRSG 109 with a satisfactory grade.

In this advanced nursing course, Students will learn to understand and apply advanced theoretical and clinical concepts in the care of critically ill adult, older adult, and pediatric medical-surgical patients with complex problems. Student acquires translational knowledge about complex concepts that include ECG monitoring, beginning ventilator management, hemodynamic monitoring, care of the client with multisystem failure, and nursing care in emergency situations. Students will apply theoretical knowledge across all specialty care settings.

**REGISTERED NURSING 111**

Nursing Leadership and Management

4 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 6 HOURS

Prerequisite: REGNRS 110 with a satisfactory grade.

Nursing students will explore, apply the legal, ethical and current issues and trends that affect the Registered Nurse today within the context of the Roles of Practice. Students will complete a 96 hours of clinical preceptorship and 12 hours of community home health.

**REGISTERED NURSING 115**

Nursing Skills Competency I

1 UNIT – (CSU)

LABORATORY 3 HOURS

Co-requisite: REGNRS 104.

In this course, students will focus on the skills and knowledge needed to assess and care for a patient in the clinical setting. Emphasis will be placed on the nursing process, therapeutic communication, and providing basic care to the individual.

**REGISTERED NURSING 116**

Nursing Skills Competency II

1 UNIT (CSU)

LABORATORY 3 HOURS

Prerequisite: REGNRS 105 with a satisfactory grade and approved second year status in RN program.

The student participates in this weekly 3 hour adjunct, laboratory course to practice procedures and skills learned in concurrent Maternal/Newborn and Pediatrics Nursing theory and clinical courses.

**REGISTERED NURSING 117**

Nursing Skills Competency III

1 UNIT (CSU)

LABORATORY 3 HOURS

Prerequisite: REGNRS 107 with a satisfactory grade and approved second year status in RN program.

Third semester nursing students practice and enhance both mental health and medical-surgical nursing skills.

The student will participate in competency assessment in the progression from novice graduate to Registered Nurse in the Pediatric Nursing specialty.

**OCEANOGRAPHY(OCEANO)****OCEANOGRAPHY 1**

Introduction To Oceanography

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

The Student receives a general introduction to the origin of the universe, plate tectonics, ocean basins, water, beaches, tides, and the overall uses and abuses of the ocean by human beings.

**PHILOSOPHY (PHILOS)****PHILOSOPHY 1**

Introduction to Philosophy

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67

Students discuss questions, including their relevance to our daily lives, such as the following: Does life have meaning? Does God exist? Do we have free will? Can we trust our senses?

**PHILOSOPHY 5**

Critical Thinking and Composition

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 101 with a satisfactory grade or equivalent.

The student develops critical thinking skills necessary for evaluating and formulating argumentative/persuasive essays. Instruction in writing is a central focus of this course.

**PHILOSOPHY 6**

Logic In Practice

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students apply logical principles and critical thinking to everyday life in such areas as advertising, news reports, and editorials.

**PHILOSOPHY 8**

Deductive Logic

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 and Philosophy 6.

This introductory logic class, which is open to all Students, is designed to develop the student's ability to think critically and to reason correctly. Attention will be given to both formal and informal logic.

**PHILOSOPHY 9**

Symbolic Logic I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and Philosophy 6.

The Student learns to translate, analyze and evaluate arguments in modern symbolic logic by employing the principles and methods of propositional and predicate logic.

**PHILOSOPHY 14**

History of Modern European Philosophy

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 and Philosophy 1.

Students receive instruction in the development of the Ideas which shape the modern mind. The Individual's relationship to the state, to his/her fellow human beings and to the universe will be explored in the works of modern philosophers.

**PHILOSOPHY 20**

Ethics  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67.

The student learns the major historical and contemporary ethical theories, as well as a discussion and analysis of current moral issues.

**PHILOSOPHY 30**

Asian Philosophy  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67.

Students distinguish between the major philosophies of India, China and Japan, including Hinduism, Buddhism, Confucianism and Taoism. Consideration is given to the differences between Eastern and Western thought.

**PHILOSOPHY 32**

Philosophy of Religion (formerly Philosophy 27)  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 and Philosophy 1.

The student learns the significant philosophical issues and theories, both historical and contemporary. The course emphasizes the exposition, discussion and analysis of the rationality of religious beliefs.

**PHILOSOPHY 40**

Introduction To the Philosophy of Art  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students learn various philosophical theories regarding the nature of art, 'beauty' and the aesthetic experience.

**PHOTOGRAPHY (PHOTO)****PHOTOGRAPHY 1**

Elementary Photography  
6 UNITS (CSU)  
LECTURE 3 HOURS. LABORATORY 9 HOURS

Prerequisite: Photography 10 with a satisfactory grade.

The student learns all phases of professional techniques, emphasizing view camera operation, exposure and development control of film, printing for optimum technical and aesthetic values, basic lighting techniques, theory of photographic processes, and basic sensitometry. Estimated material cost is approximately \$300. Owning a professional quality light meter is recommended. Owning medium format or 4x5 camera equipment is not essential. This is a required course for photography majors.

**PHOTOGRAPHY 3**

Basic Commercial Fields  
6 UNITS (CSU)  
LECTURE 3 HOURS. LABORATORY 9 HOURS

Prerequisite: Photography 1 with a satisfactory grade

Students learn intermediate professional lighting techniques for commercial photography. Specialized assignments related to

current professional commercial photography requirements and practices will be assigned. Intermediate concept, design, and specialization in lighting for commercial advertising are emphasized. Introduction to professional studio strobes and accessories and continued use of professional cameras – film and digital – will be used for assignments..

**PHOTOGRAPHY 7**

Exploring Digital Photography  
3 UNITS (CSU)  
LECTURE 2 HOURS. LABORATORY 3 HOURS

The student learns the uses and applications of professional digital SLR cameras in this introductory course. Camera controls, elements of composition, and photographing with natural light will be stressed. Professional digital cameras may be provided by the department for student usage. Students may use their own cameras to supplement assignments. Owning a digital camera is not a requirement but is highly recommended.

**PHOTOGRAPHY 10**

Beginning Photography  
3 UNITS (UC: CSU)  
LECTURE 2 HOURS. LABORATORY 3 HOURS

The student learns the basic principles of black and white analog photography from the mechanical creation of the image with camera and film to enlarging the photograph for display, while applying the guidelines of composition, communication and self-expression. 35mm single lens camera required. Automatic cameras are OK, but they must have manual shutter speed and lens opening capability. An approximate supply cost is \$175. Student must attend the first lecture meeting, or be replaced by students wishing to add. This is a traditional darkroom class.

**PHOTOGRAPHY 15**

Fundamentals of Portraiture  
3 UNITS (CSU)  
LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: Photography 1 or Photography 107 with a satisfactory grade.

Students learn to create individualized portraits utilizing a wide variety of traditional lighting styles both on location with available light, and in the studio with professional tungsten lighting and electronic strobes. Students learn how model selection, posing techniques, wardrobe, props, locations and other factors contribute to the total professional portrait. Students will make portraits of individuals, couples and groups. Students learn to make decisions regarding camera format including digital and film, printing and presentation.

**PHOTOGRAPHY 20**

Beginning Photojournalism  
4 UNITS (CSU)  
LECTURE 2 HOURS. LABORATORY 6 HOURS.

Advisory: Photography 7.

Students learn photography for publications, including magazines, wire services, print and online newspapers and campus publications. The primary emphasis is on digital photography and its use in the journalism and publication worlds. Students practice using cameras and computers, correctly applying the techniques of instruction to photo journalistic methods and visual news gathering.

**PHOTOGRAPHY 22**

Creative Photo-Vision

3 UNITS (A)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: Photography 1 with a satisfactory grade.

Advisory: Photography 107

The Student learns sensitive seeing through avenues of self-expression in nontraditional photographic techniques including non-silver processes, collage, hand-coloring, serial imagery and other alternative processes. The Student explores the creative and artistic applications of the materials and processes of silver and non-silver photography. Emphasis is placed on the combining of technical skill with the aesthetic and expressive use of the media.

**PHOTOGRAPHY 34**

History of Photography

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent

Students recognize and identify the major historical developments of in photography including major technological inventions and advancements, styles and movements, and important photographers from 1826 through 1960. Special attention is paid to the impact of the photographic image and how it has shaped modern art and culture worldwide.

**PHOTOGRAPHY 46**

Photographic Digital Imaging

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

In this beginning course, Students will utilize Adobe Photoshop tools to solve practical photographic problems such as color and tonal correction and retouching. Students will also learn non-destructive image editing techniques to maintain the highest quality images possible and will correctly prepare files for both print and web output.

**PHOTOGRAPHY 49**

Advanced Photographic Digital Imaging

6 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 9 HOURS

Prerequisite: Photography 46 with a satisfactory grade

Advisory: Photography 7.

(see "Health Advisory" under Certificate Programs)

Students learn advanced digital imaging/Photoshop techniques which will incorporate the use of computers and photographic digital software to alter, enhance, and create new images that can be output to print and digital media. Detailed instruction in the application of Adobe Photoshop will be covered. Development of concept and design, and the use of photographic images are emphasized. Creation of specialized projects will integrate digital image manipulation, compositing/ collaging, retouching, editing and other specialized Photoshop techniques.

**PHOTOGRAPHY 50**

Specialty Fields

3 UNITS (A)

LABORATORY 9 HOURS

Prerequisite: Photography 1 or 107 with a satisfactory grade or instructor's approval of advanced level portfolio.

The advanced student contracts with the instructor to produce an independent study photography project that is the basis of a free-lance, photojournalistic, commercial or fine art photographic portfolio. The Student designs a portfolio based on individual concepts and goals under the guidance of the instructor.

**PHOTOGRAPHY 107**

Intermediate Digital Photography

3.00 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: Photo 7 and Photo 46.

The student learns all levels of digital imagery workflow, from image ingestion through pre-production, production, delivery and archiving while working on course projects.

**PHOTOGRAPHY 501**

Media Aesthetics and Design for Film and Digital Media

3.00 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

The student learns the analysis of film and modern visual media, including the cinema, television, the internet, advertising, social networking and fine art. The student learns to examine the broad questions of form and content, aesthetics and meaning, and history and culture, exploring the diverse possibilities presented by the cinematic art form through an examination of a wide variety of productions, national cinemas, and film movements. Topics include modes of production, narrative and non-narrative forms, visual design, editing, sound, genre, ideology and critical analysis. This course is recommended for all cinema and photography majors, and is open to graphic artists as well as the general public.

**PHYSICAL SCIENCE ( PHYS SC)****PHYSICAL SCIENCE 10**

Physics and the Movies

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28

The student learns the basic principles of physics: mechanics, forces, Newton's laws, fluids, oscillations, heat, optics, sound, electricity & magnetism and relativity, by applying them to analyses of popular movie scenes to gauge their level of physical plausibility and realism.

**PHYSICS (PHYSICS)****PHYSICS 6**

General Physics I

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisite: Math 240

Students learn the fundamentals of Newtonian physics, such as mechanics, heat and sound. This course is designed for majors

in Health and Life Sciences, Architecture, and all those needing a one-year course in college physics requiring trigonometry but not calculus.

**PHYSICS 7**

## General Physics II

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisite: Physics 6 with a satisfactory grade or equivalent.

Students learn the later developments of physics leading through electricity and magnetism to optics, relativity and quantum theory, atomic and nuclear physics. This course is designed for majors in Health and Life Sciences, Architecture, and all those needing a one-year course in college physics requiring trigonometry but not calculus.

**PHYSICS 11**

## Introductory Physics

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisite: Mathematics 240 with a satisfactory grade or equivalent.

Advisory: English 28 and 67.

Credit allowed for only one of Physics 11 or 12.

This general introductory course with Laboratory serves as the prerequisite for Physics 101, 6, 21, and for the health career programs. It is aimed at developing physical intuition, problem solving techniques and Laboratory procedures. It is not open to Students who have had a college course in physics. Those needing only one semester of Laboratory science should consider enrolling in Physics 12.

**PHYSICS 12**

## Physics Fundamentals

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students learn a practical and historical overview of basic physics, including laws of motion, properties of matter, heat, sound, electricity and magnetism, light, atomic and nuclear physics, and relativity, and is reminded of their role in technology and culture today. No mathematical preparation is needed. If a student wishes to transfer, this as a laboratory science course the student must also complete Physics 14.

**PHYSICS 14**

## Physics 14 Laboratory

1 UNIT (UC: CSU)

LABORATORY 3 HOURS

Co-requisite: Physics 12. Advisory: English 21

The Student will learn to use basic Laboratory techniques to understand and apply simple physical laws and concepts, including the use of graphs, calculators and simple measurements to understand and measure the speed of sound, forces, densities, velocities, indexes of refraction, specific heats, and verify Hooke's Law, Boyle's law, and Ohm's Law. When taken with or after Physics 12, it completes the UNITS requirement for a Natural Science course with laboratory.

**PHYSICS 21**

## General Physics I with Calculus

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisite: Physics 11 with a satisfactory

Co-requisite: Mathematics 261.

Physics 21 is the first of a two-semester, calculus-based, sequence of general physics courses. (Physics 22 completes the sequence.) This sequence is recommended and designed for Pre-medical Students, Life Science Students and other Students that require a two-semester, calculus-based, sequence of physics courses. Topics covered in Physics 21 include mechanics, waves and fluids, with an emphasis on applications to the life sciences.

**PHYSICS 22**

## General Physics II with Calculus

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisites: Physics 21 with a satisfactory grade or equivalent..

LECTURE 3 HOURS. LABORATORY 3 HOURS

Life-sciences Students, premedical Students, and other Students that require a two-semester calculus-based sequence of physics courses can benefit from this course. Topics covered in Physics 22 include thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. There is an emphasis on applications to the life sciences.

**PHYSICS 101**

## Physics for Engineers and Scientists I

5 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 6 HOURS

Prerequisite: Mathematics 261.

Advisory: Physics 11

The student learns the fundamental principles and applications of Newton's Laws in classical mechanics, including motion in one and two dimensions, gravitation, rotation, energy, momentum, periodic motion, and fluid mechanics at the beginning calculus level of mathematics. The laboratory includes both quantitative and qualitative experiments that permit students to verify, illustrate, and deduce various laws of physics.

**PHYSICS 102**

## Physics for Engineers and Scientists II

5 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 6 HOURS

Prerequisite: Physics 101 with a satisfactory grade or equivalent.

Co-requisite: Concurrent enrollment in Mathematics 262, unless taken previously.

The student learns the fundamental principles and applications of introductory thermodynamics (temperature, heat, heat engines, entropy and other topics), and electricity and magnetism (electric forces, electric fields, potential, magnetism, magnetic forces and fields, capacitance, resistance, inductance, DC and AC circuits and other topics) at the beginning calculus level of mathematics. The laboratory includes both quantitative and qualitative experiments that permit students to verify, illustrate, and deduce various laws of physics..



**PHYSICS 103**

Physics for Engineers and Scientists III

5 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 6 HOURS

Prerequisite: Physics 102 with a satisfactory grade or equivalent.

Co-requisite: Concurrent enrollment in Mathematics 263, unless taken previously.

Students learn the topics of mechanical waves, electromagnetic waves, light and optics, relativity, introductory quantum mechanics, atomic and nuclear physics. Topics in molecular physics and condensed matter as well as particle physics may also be included. The laboratory includes both quantitative and qualitative experiments which enable students to verify, illustrate, and deduce some of the laws of physics that apply to the topics covered.

**PHYSICS 161**

Astrophysics and Cosmology

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Physics 101 with a satisfactory grade or equivalent.

Co-requisite: Concurrent enrollment in Physics 102.

Students learn various aspects of astrophysics and cosmology, including elements of general relativity, the physics of pulsars, cosmic rays, and black holes. Topics include the cosmological distance scale, elementary cosmological models, and the mass density and age of the universe. Evidence for dark matter and concepts of the early universe and of galaxy formation are also presented. The Student reflects on astrophysics as a probe of the extremes of physics.

**PHYSICS 185**

Directed Study

1 UNIT (CSU)

LECTURE 1 HOUR

Allow students to pursue Directed Study on a contract basis under the direction of a supervising instructor.

**PHYSICS 285**

Directed Study

2 UNITS (CSU)

LECTURE 2 HOURS

Allow students to pursue Directed Study on a contract basis under the direction of a supervising instructor.

**PHYSICS 385**

Directed Study

3 UNITS (CSU)

Prerequisite: Signature of Instructor and Science and Mathematics classes appropriate to the research to be undertaken.

LECTURE 1 HOUR PER UNIT.

Allow Students to pursue Directed Study on a contract basis under the direction of a supervising instructor. Refer to the "Directed Study" section of this catalog for additional information.

Credit Limit: A maximum of 3 UNITS in Directed Study may be taken for credit.

**PHYSIOLOGY (PHYSIOL)****PHYSIOLOGY 1**

Introduction to Human Physiology

4 UNITS (UC: CSU)

LECTURE 3 HOURS. LABORATORY 3 HOURS

Prerequisite: Anatomy 1 with a satisfactory grade or equivalent.

Study of the physiological principles, function, integration and homeostasis of the human body at the cellular, tissue, organ, organ system and organism level: integumentary system, bone, skeletal, smooth and cardiac muscles, nervous system, sensory organs, cardiovascular system, lymphatic and immune systems, respiratory system, urinary system, digestive system, endocrine system, and reproductive system. This course is primarily intended for Nursing, Allied Health, Kinesiology, and other health related majors.

**POLITICAL SCIENCE (POL SCI)****POLITICAL SCIENCE 1**

The Government of the United States

3 UNITS (UC: CSU)

LECTURE 3 HOURS

An Introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy.

**POLITICAL SCIENCE 2**

Modern World Governments

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students survey several countries around the world and major concepts in comparative politics, focusing on the 'Developing World' and questions of globalization, democracy, political and economic development and major theories and concepts in comparative politics.

**POLITICAL SCIENCE 5**

The History of Western Political Thought

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Examination of various theoretical approaches to politics and of basic political problems and proposed solutions: Analysis of selected political theories, relevance of theory to contemporary problems, and new approaches to political thought.

**POLITICAL SCIENCE 7**

Contemporary World Affairs

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 or equivalent.

An introduction to international relations theory with an examination of national, international, transnational, and sub-national actors and their institutions, interactions and processes as they relate to global issues.

**POLITICAL SCIENCE 14**

Government and Politics In the Middle East

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: English 28

Students survey the domestic, regional, and international factors which shape the political landscape of the Middle East. They identify and explain sources of instability and violence in the region by focusing on the processes of state building and state disintegration. In addition, in a comparative context, they investigate particular experiences of Middle Eastern countries concerning the nature, roots, and historical evolution of the region's regimes, nationalism, leadership, and institutions. The approach is thematic, not chronological.

**POLITICAL SCIENCE 19**

Women In Politics

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students learn political theories and public policies which shape the various possibilities and strategies for women's political participation in the United States and elsewhere. They also examine the political institutions, processes, and problems of the national, state, and local government.

**PSYCHOLOGY (PSYCH)****PSYCHOLOGY 1**

General Psychology I

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent

Students learn the psychological principles behind behaviors such as learning, motivation, intelligence, feelings and emotions, personality, abnormal behavior and methods of adjustment. Different psychological perspectives such as psychoanalysis, neuroscience, cognitive, behaviorism and humanism will be emphasized.

**PSYCHOLOGY 2**

Biological Psychology

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Psychology 1 with a satisfactory grade or equivalent.

Students learn to explain psychological behavior as a result and cause of events taking place in the brain, nervous systems, and genes. Students learn to explain the relationship of biological events to psychopathology, sexuality, motivation, sleep, stress, emotions, perception, and learning.

**PSYCHOLOGY 3**

Personality and Social Development

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Psychology 1 with a satisfactory grade or equivalent.

Advisory: English 28 and 67 or equivalent

The Student focuses on self-awareness and personality development. Topics considered include love, work, loneliness, death and loss, intimate relationships, sex roles and sexuality, and values in life.

**PSYCHOLOGY 13**

Social Psychology

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Psychology 1 with a satisfactory grade or equivalent.

Students learn how we are influenced by our society in the areas of persuasion, propaganda and brain washing, obedience and conformity, aggression and prejudice, sexism and interpersonal relationships.

**PSYCHOLOGY 14**

Abnormal Psychology

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Psychology 1 with a satisfactory grade or equivalent.

Students learn about abnormal behavior from the perspective of contemporary medical, psychosocial, and socio-cultural approaches. Students analyze abnormal disorders, evaluate their major causes, and identify treatment modalities. Topics will include criteria used for defining abnormal behavior, an overview of the basic psychological perspectives, explanations of DSM standards, and testing and assessment procedures.

**PSYCHOLOGY 27**

Online and Software Resources for Human Services

1 UNIT

LECTURE 1 HOUR

Human Services majors receive a basic introduction to pertinent computer resources currently being utilized by human services professionals. Hands-on training will allow students to become familiar with software and online resources commonly being used.

**PSYCHOLOGY 41**

Life Span Psychology: From Infancy to Old Age

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Psychology 1 with a satisfactory grade.

Students learn about physical, emotional, cognitive and social growth and change affecting individuals across the lifespan. Students follow the development of humans from conception to death, examining theories and research in the fields of personality, social, emotional, and cognitive psychology. This course will also investigate problems of development.

**PSYCHOLOGY 43**

Principles of Group Dynamics I

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn group dynamics principles including active listening, communication models, body language principles and factors that influence group cohesion.

**PSYCHOLOGY 44**

Principles of Group Dynamics II

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Psychology 43 with a satisfactory grade or equivalent.

Students learn the role of group processes in changing behavior, the principal modes of counseling and therapy, principles of verbal and nonverbal communication, and modes of learning.

**PSYCHOLOGY 45**

Issues In Human Service Careers

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Psychology 81 or Psychology 84 with satisfactory grades or equivalent.

Students learn how to survive in the real world of work in Human Services. This course integrates psychological theory learned in previous classes with practice. The course covers specialized areas of psychology such as crisis intervention, psychopharmacology, counseling ethics, and interviewing. Included are techniques for agency survival such as job interviewing, report writing and resource referral.

**PSYCHOLOGY 52**

Psychological Aspects of Human Sexuality

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Students learn information about different psychological aspects of sexual expression such as the biochemical factors, childhood experiences, gender influences and societal influences. Topics include attraction, love, marriage, the sexual response cycle, sexual orientation, paraphilias, prostitution, rape and pornography.

**PSYCHOLOGY 60**

Stress Management

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn to explain stress as a result of biological, interpersonal, environmental, and everyday life events. Students learn effective stress management techniques.

**PSYCHOLOGY 63**

Alcohol/Drug Studies: Prevention and Education

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the strategies of prevention and education necessary to work with various populations dealing with alcohol, drug, and STI (Sexually Transmitted Infection) related problems.

**PSYCHOLOGY 64**

Introduction to Alcohol and Drug Abuse and Physiological Effects

3 UNITS (CSU)

LECTURE 3 HOURS

The Student learns the physiology and psychopharmacology of drugs and alcohol, theories of addiction, historical overview of treatment, drug classification, social policy and drug abuse, and the issues of relapse, rehabilitation and recovery.

**PSYCHOLOGY 65**

Chemical Dependency, Intervention, Treatment and Recovery

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the processes of treatment and recovery of alcohol and drug abuse among various populations. An overview of the causes, treatment, models, and recovery, relapse, rehabilitation, and aftercare is emphasized.

**PSYCHOLOGY 66**

Introduction to Critical Thinking

3 UNITS (CSU)

LECTURE 3 HOURS

Students apply the theories and research evidence in cognitive psychology to enhance the ability to effectively solve problems, make decisions and think creatively. Practice with a variety of problems and simulations take place to ensure these critical thinking skills.

**PSYCHOLOGY 67**

Counseling Techniques for Chemically Addicted

3 UNITS (CSU)

LECTURE 3 HOURS

This course will focus on the environment of chemical dependency counseling and the issues of the paraprofessional in alcohol and drug abuse treatment facilities. Case management in a multi-discipline team will be emphasized. All aspects of modern treatment techniques will be covered in class.

**PSYCHOLOGY 68**

Biopsychology of Chemical Dependency: Drugs, behavior, and health

3 UNITS (CSU)

LECTURE 3 HOURS

The Student learns pharmacological and behavioral effects of all major categories of both legal and illegal psychoactive substances, including an overview of contemporary and historical drug regulation and abuse, and a detailed review of the nervous system.

**PSYCHOLOGY 74**

Research Methods In the Behavioral Sciences

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisites: Psych 1, Math 227 and English 101.

The Student surveys various research methods with an emphasis on research design, experimental procedures, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Research design and methodology will be illustrated through a selected review of research in the field of psychology.

**PSYCHOLOGY 81**

Field Work I

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 6 HOURS

Co-requisite: Psychology 1 and Psychology 43.

The Student is introduced to the field of Human Services.

Students will achieve basic counseling and communication skills and be able to apply these skills in diverse human services

organizations. Students learn the 12 core functions of the human services career, and apply these skills, at a beginning level, in diverse human services organizations. Fieldwork internships at human services organizations are required.

### **PSYCHOLOGY 82**

Field Work II

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 6 HOURS

Prerequisite: Psychology 81 with a satisfactory grade or equivalent.

Students build on the skills they learned in Field Work I by participating, under supervision, at various facilities in the community that offer Human Services. Students will achieve intermediate counseling and communication skills and be able to apply these skills in diverse human service organizations. Students continue to develop their knowledge of the 12 core functions of the human services career, and apply these skills, at an intermediate level, in diverse human services organizations. Fieldwork internships at human services organizations are required.

### **PSYCHOLOGY 83**

Field Work III

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 6 HOURS

Prerequisite: Psychology 82 with a satisfactory grade or equivalent.

Students learn more specialized skills in Human Services. This class is intended for the advanced Student of the generalist option of Human Services. Students build on the skills they learned in Field Work I, and Field Work II by participating, under supervision, at various facilities in the community that offer Human Services. Students will achieve advanced counseling and communication skills and be able to apply these skills in diverse human service organizations. Students continue to develop their knowledge of the 12 core functions of the human services career, and apply these skills, at an advanced level, in diverse human services organizations. Fieldwork internships at human services organizations are required.

### **PSYCHOLOGY 84**

Fieldwork I – Addiction Studies

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 6 HOURS

Co-requisite: Psychology 1 and Psychology 43.

The Student is introduced to the field of Drug and Alcohol Studies.

Students will achieve basic counseling and communication skills and be able to apply these skills in diverse drug and alcohol treatment programs. Students learn the 12 core functions of the human services career, and apply these skills, at a beginning level, in diverse drug and alcohol treatment programs. Fieldwork internships at drug and alcohol treatment programs are required.

### **PSYCHOLOGY 85**

Field Work II: Drug/Alcohol

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 6 HOURS

Prerequisite: Psychology 84 with a satisfactory grade or equivalent.

Students build on the skills they learned in Field Work I by participating, under supervision, at various facilities in the community that offer Drug and Alcohol Treatment programs. Students will achieve intermediate counseling and communication skills and be able to apply these skills in diverse drug and alcohol treatment settings. Students continue to develop their knowledge of the 12 core functions of drug and alcohol treatment, and apply these skills, at an intermediate level, in drug and alcohol treatment programs. Fieldwork internships at drug and alcohol treatment programs are required.

### **PSYCHOLOGY 86**

Field Work III: Drug/Alcohol

3 UNITS (CSU)

LECTURE 1.5 HOURS. LABORATORY 4.5 HOURS

Prerequisite: Psychology 85 with a satisfactory grade or equivalent.

This course is designed to orient the student to the field. Students learn more specialized skills in Human Services. This class is intended for the advanced Student of the Drug/Alcohol option of Human Services. Students build on the skills they learned in Field Work I, and Field Work II by participating, under supervision, at various facilities in the community that offer Drug and Alcohol treatment programs. Students will achieve advanced counseling and communication skills and be able to apply these skills in diverse drug and alcohol treatment programs. Students continue to develop their knowledge of the 12 core functions of the human services career, and apply these skills, at an advanced level, in diverse drug and alcohol treatment programs. Fieldwork internships at drug and alcohol treatment programs are required.

## **RADIOLOGIC TECHNOLOGY (RAD TEC)**

### **RADIOLOGIC TECHNOLOGY 103**

Radiographic Anatomy and Positioning - Skeletal System

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Prerequisite: Admission to the Radiologic Technology Program.

Students learn radiographic anatomy, positioning and selected pathology of the musculoskeletal system. Laboratory experience is included.

### **RADIOLOGIC TECHNOLOGY 104**

Radiographic Anatomy and Positioning - Cranium and Visceral Organs

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Students learn radiographic anatomy, positioning and selected pathology of the visceral organs and cranium. Laboratory experience is included.

**RADIOLOGIC TECHNOLOGY 180**

Clinical Education In Radiologic Technology I

12 UNITS (CSU)

LABORATORY 18 HOURS

Prerequisite: Radiologic Technology 160. Enrolled in the Radiologic Technology program.

Students apply radiographic theory in their clinical training site under direct supervision of qualified clinical personnel and college instructors. Emphasis is on completing the 58 imaging competencies that include: chest, upper and lower extremities and abdominal imaging. The LACC Clinical Coordinator will serve as a resource for hospital based preceptor experience.

**RADIOLOGIC TECHNOLOGY 200 (FORMERLY RAD TEC 100)**

Introduction to Radiologic Technology

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the history of radiography, organization of the hospital, the medical practitioner's who work in medical facilities, and careers in the radiological sciences.

**RADIOLOGIC TECHNOLOGY 201 (FORMERLY RAD TEC 101)**

Medical Terminology For Radiologic Technology

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the origins of medical terminology, word-building systems, abbreviations, symbols, diagnostic and therapeutic terms. Students review simulated patient charts in order to understand radiographic orders and diagnostic report interpretation.

**RADIOLOGIC TECHNOLOGY 202 (FORMERLY RAD TEC 102)**

Introduction to Electromagnetic Radiation Image Recording and Processing

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Prerequisite: English 28 and 67, Radiologic Technology 200 and 201, and Math 115

Students learn atomic structure, characteristics of radiation, x-ray production, radiation protection and photon interaction with matter.

**RADIOLOGIC TECHNOLOGY 205 (FORMERLY RAD TEC 105)**

Fundamentals of X-Ray Physics

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Prerequisite: Radiologic Technology 202.

Students learn the physical principles of x-ray generation, Electrostatics, Electromagnetism, Electrodynamics, electrical circuitry of radiographic equipment, interactions of X-ray radiation and matter.

**RADIOLOGIC TECHNOLOGY 206 (FORMERLY RAD TEC 106)**

Radiographic Exposure

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Prerequisite: Radiologic Technology 205.

Students learn the factors that affect radiographic exposure and the basic principles and components of digital imaging. Laboratory experience is provided including: Computer applications in diagnostic medical imaging.

**RADIOLOGIC TECHNOLOGY 207 (FORMERLY RAD TEC 107)**

Patient Care Management

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Prerequisite: Radiologic Technology 202.

Students learn the principles of patient care management for radiographers. Routine and emergency care procedures are discussed. The role of the Radiographer in patient education will also be explained. Laboratory experience is included.

**RADIOLOGIC TECHNOLOGY 208**

Cross Sectional Anatomy and Pathology

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Radiologic Technology 201.

Students learn to identify normal anatomy through a variety of imaging formats. Students learn how to identify normal and pathologic organ structures.

**RADIOLOGIC TECHNOLOGY 209**

Pharmacology and Venipuncture with Basic Life Support (BLS)

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 1 HOUR.

Prerequisite: Radiologic Technology 207.

Students learn the concepts of pharmacology, venipuncture, contrast administration and intravenous medications used in the treatment of adverse effects from contrast agents.

**RADIOLOGIC TECHNOLOGY 210**

Quality Management

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 4 HOURS

Prerequisite: Radiologic Technology 202.

Students learn the responsibilities of quality management which entails performing quality control tests, assessing film density, monitoring accuracy, and identifying and solving issues associated with producing medical images.

**RADIOLOGIC TECHNOLOGY 211**

Computed Tomography

3 UNITS (CSU)

LECTURE 3 HOURS

Prerequisite: Radiologic Technology 205 with satisfactory grade.

Students learn the principles and operation of CT Instrumentation, procedures, ancillary devices and radiation protection.

**RADIOLOGIC TECHNOLOGY 240 (FORMERLY RAD TEC 140)**

Radiation Protection and Biology

4 UNITS (CSU)

LECTURE 3 HOURS. LABORATORY 2 HOURS

Prerequisite: Radiologic Technology 202.

Students learn the principles of radiation protection and federal and state laws pertaining to radiography.



**RADIOLOGIC TECHNOLOGY 243**

Principles and Practices of Fluoroscopy

3 UNITS (CSU)

LECTURE 3 HOURS

Students learn the factors that influence patient and operator radiation dose during fluoroscopic procedures, fluoroscopic equipment, components and ancillary equipment.

**RADIOLOGIC TECHNOLOGY 260**

Introduction to Clinical Education

4 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 9 HOURS.

Prerequisite: Radiologic Technology 103

Students are oriented to the hospital environment which includes the: reception area, surgery, general radiography, emergency room, and diagnostic imaging areas. Student interns are assigned 16 hours per week in a Clinical Education Center.

**RADIOLOGIC TECHNOLOGY 280 (FORMERLY RAD TEC 180)**

Clinical Education In Radiologic Technology

6 UNITS (CSU)

LABORATORY 18 HOURS

Prerequisite: Radiologic Technology 260. Enrolled in the Radiologic Technology program.

Students apply radiographic theory in their clinical training site under direct supervision of qualified clinical personnel and college instructors. Emphasis is on completing the 58 imaging competencies that include: chest, upper and lower extremities and abdominal imaging. The LACC Clinical Coordinator will serve as a resource for hospital based preceptor experience.

**RADIOLOGIC TECHNOLOGY 281**

Clinical Education In Radiologic Technology II

12 UNITS (CSU)

LABORATORY 36 HOURS

Prerequisite: Radiologic Technology 280. Enrolled in the Radiologic Technology program.

Students apply radiographic theory in their clinical training site under direct supervision of qualified clinical personnel and college instructors. Emphasis is on completing the 58 imaging competencies that include: abdominal, thoracic viscera, spine, common contrast exams, and generalized skull radiography. The LACC Clinical Coordinator will serve as a resource for hospital based preceptor experience.

**RADIOLOGIC TECHNOLOGY 282**

Clinical Education in Radiologic Technology III

4 UNITS (CSU)

LABORATORY 12 HOURS

Prerequisite: Radiologic Technology 281. Enrolled in the Radiologic Technology program.

Students apply radiographic theory in their clinical training site under direct supervision of qualified clinical personnel and college instructors. Emphasis is on completing the 58 imaging competencies that include: basic vascular procedures (angiograms), PICC and tunnel catheter line placement, pacemakers, lithotripsy, tube placement, myelograms, arthrograms, hysterosalpingograms, E.R.C.P., sialogram, retrograde and advanced procedures. The LACC Clinical Coordinator will serve as a resource for hospital based preceptor experience.

**RADIOLOGIC TECHNOLOGY 283**

Clinical Education In Radiologic Technology IV

12 UNITS (CSU)

LABORATORY 36 HOURS

Prerequisite: Radiologic Technology 282. Enrolled in the Radiologic Technology program.

Students apply radiographic theory in their clinical training site under direct supervision of qualified clinical personnel and college instructors. Emphasis is on completing the 58 imaging competencies that include: other imaging modalities, therapeutic application of radiation, tomosynthesis, mammograms, bone density, magnetic resonance imaging, computed tomography, nuclear medicine, ultrasound, and radiation therapy. The LACC Clinical Coordinator will serve as a resource for hospital based preceptor experience.

**REAL ESTATE (REAL ES)****REAL ESTATE REAL ESTATE 1**

Real Estate Principles

3 UNITS (CSU)

LECTURE 3 HOURS

Open to all Students.

Advisory: English 28 and 67 or equivalent.

Students study the principles, economic aspects, and laws of real estate, including the information needed to obtain a real estate sales/brokers license and/or for better management of personal real estate investments. Topics include legal descriptions and estates, encumbrances, agencies, contracts, financing, appraisal, escrow and title, leases, urban economics, taxation, and vocational careers.

**REAL ESTATE 3**

Real Estate Practices

3 UNITS (CSU)

LECTURE 3 HOURS

Open to all Students.

Advisory: English 28 and 67 or equivalent.

Students solve the problems of establishing and conducting a real estate business, including establishing the office, securing listing and prospects, showing properties and closing sales, ethics and professional relationships, rentals and leases, appraising, and the California Real Estate Act. Preparation of documents used in real estate transactions, property transfers, and exchanges is included.

**REAL ESTATE 5**

Legal Aspects of Real Estate

3 UNITS (CSU)

LECTURE 3 HOURS

Open to all Students.

Advisory: English 28 and 67 or equivalent.

Students who plan to take the state examination, which is required in order to obtain a broker license (meets optional requirements for sales license), can receive the appropriate legal background, including principles of property ownership and management in their business aspects, with special reference to law of California as it applies to community property, deeds, trust deeds, mortgages, leases, brokerage, mechanic's liens, homesteads, wills, and estates.

**REAL ESTATE 6**

## Legal Aspects of Real Estate II

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

The Students learn advanced issues involving real estate legal matters, including an advanced and in depth study of agency and sub-agency law, civil rights and fair housing laws in real estate practice, and real estate escrow and title insurance laws. Also included are the introductory studies of wills, trusts, and probate administration as they apply to real estate broker's practice.

**REAL ESTATE 7**

## Real Estate Finance I

3 UNITS (CSU)

LECTURE 3 HOURS

Open to all Students.

Advisory: English 28 and 67 or equivalent.

Students study the forms, and sources of financing real property, including purchase, construction, refinance, and other creative permanent financing approaches. Also included is an assessment of the procedures for obtaining government - sponsored financing through FHA, DVA, and Cal-Vet. The various loan sources currently being used in the marketplace will be evaluated including banks, savings and loans, insurance companies, mortgage brokers/bankers, pensions, credit unions, and private parties.

**REAL ESTATE 9**

## Real Estate Appraisal I

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

The Student learns the purpose of appraisals, the appraisal process, and the different approaches of valuation. Additionally, the Student learns methods and techniques used to determine the value of various types of properties. The market comparison and cost approaches are emphasized, plus an introduction to investment property valuation by the income approach.

**REAL ESTATE 11**

## Escrow Principles

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students study real estate escrow responsibilities, procedures and management, such as preparing escrow instructions, loan documentation, and closing statements. Topics covered In This course also include the basics of escrow accounting, financing procedures for real property and title transfer and title insurance procedures.

**REAL ESTATE 14**

## Property Management

3 UNITS (CSU)

LECTURE 3 HOURS

Open to all Students.

Advisory: English 28 and 67 or equivalent.

Students study the nature and types of property management, leases and contracts, rent scheduling, selling of space and techniques of renting, tenant selection and supervision, relations with owners and budgets, purchasing and accounts, reporting, ethics, and legal and professional relationships.

**REAL ESTATE 18**

## Real Estate Investments I

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students study the principles of real estate investment with respect to identifying and understanding the language, basic procedures, financing, and facts essential to ownership, conveyance, environment problems, business organization involvement, and evaluation with other investments. A comparison and assessment of commercial, industrial, and residential projects, including location, feasibility studies, zoning restrictions, financing options, sale and leaseback, and preferential tax benefits.

**REAL ESTATE 21**

## Real Estate Economics

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

The student learns fundamentals of economic trends and factors which affect the real estate market. Topics include urban structural relationships, real estate market analysis, supply and demand, economic forecasting, land use theory and problems of sub-division. Additionally, the student learns the government's role in the economy and its influence upon the real estate market including the federal reserve system, taxation and land use controls including zoning, planning and fair housing legislation.

**REAL ESTATE 60**

## Real Estate Mathematics

3 UNITS (CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students study typical real estate mathematics problems which are most common in actual practice, as well as those necessary for other real estate courses and for those found in the California Real Estate Licensing examinations.

**RUSSIAN (RUSSIAN)****RUSSIAN 1**

Elementary Russian I  
5 UNITS (UC: CSU)  
LECTURE 5 HOURS

Advisory: English 28 and 67.

Students study the fundamentals of Russian pronunciation, grammar, practical vocabulary, and sentence structure. Basic facts on the geography, customs and the culture of Russia are also covered.

**RUSSIAN 2**

Elementary Russian II  
5 UNITS (UC: CSU)  
LECTURE 5 HOURS

Prerequisite: Russian 1 with a satisfactory grade or equivalent.

Completes elementary Russian I. Emphasis on reading and spoken language.

**RUSSIAN 3**

Intermediate Russian I  
5 UNITS (UC: CSU)  
LECTURE 5 HOURS. LABORATORY 1 HOUR.

Prerequisite: Russian 2 with a satisfactory grade or equivalent.

Students continue their study of Russian grammar and vocabulary, advancing their conversation and writing skills. Reading of selected texts in Russian is also included.

**RUSSIAN 4**

Intermediate Russian II  
5 UNITS (UC: CSU)  
LECTURE 5 HOURS

Prerequisite: Russian 3 with a satisfactory grade or equivalent.

This course continues the review of grammar and vocabulary build-up. It continues to introduce Students to Russian life through the reading of selected Russian authors.

**RUSSIAN 8**

Conversational Russian  
2 UNITS (UC: CSU)  
LECTURE 2 HOURS

Prerequisites: Russian 2 with a satisfactory grade or equivalent.

Students develop and practice conversational skills in Russian pertaining to typical situations and topics a person may encounter when traveling or living among a Russian-speaking community. UC maximum credit: 4 UNITS

**RUSSIAN 10**

Russian Civilization  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67.

Students learn various aspects of Russian Civilization, including historical, social and cultural developments from the early stages to the present, and Russia's contribution to the world.

**SOCIOLOGY (SOC)****SOCIOLOGY 1**

Introduction to Sociology  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67.

The Students learn the major principles of sociology as they are applied to contemporary social issues. With the use of several theoretical perspectives it examines social structures within American society and other cultures from macro and micro perspectives. There are extensive references to contemporary research findings on social structure, group dynamics, social stratification, and social institutions.

**SOCIOLOGY 2**

American Social Problems  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

The Student applies sociological perspectives and concepts in analyzing contemporary social problems in the United States. Problems associated with drug abuse, poverty, racial, ethnic, and gender inequality, crime and violence, and the environment are some of the topics addressed.

**SOCIOLOGY 11**

Race and Ethnic Relations  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Sociological analysis of race, ethnicity, and racism. Examines the cultural, political, and economic practices and institutions that support or challenge racism, racial and ethnic inequalities, as well as historical and contemporary patterns of interaction between various racial and ethnic groups.

**SOCIOLOGY 12**

Marriage and Family Life  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Sociological analysis of family as an institution, including historical and recent changes, present nature and the socio-cultural and economic forces shaping these changes.

**SOCIOLOGY 22**

Sociology of Women  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Students learn the origins, purpose, subject matter, and methods of Women's Studies and to feminist perspectives on a range of social issues affecting women of diverse backgrounds. Study of gender and its intersections with race, class, sexuality, dis/ability, age, religion, and other systems of difference.

**SOCIOLOGY 31**

Sociology of Gender  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Sociological analysis of the social construction of gender, masculinity, and femininity historically and cross-culturally. It

examines the debates on sex and gender. It analyzes the impact of economic and political change on gender expectations and practices. It focuses on macro-analyses of how institutions shape gender and micro-analyses of how individuals are socialized and how they "do" and practice gender.

### **SOCIOLOGY 32**

Introduction to Criminology

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67 and Sociology 1

Students examine the basic elements of criminology - the scientific study of crime and criminal behavior. This will include, but not limited to, an analysis of the following concepts; social deviance, crime, delinquency, victimization, the criminal justice system, social control, and terrorism. There is an extensive review of the major sociological explanations on the causes of crime and criminality in addition to a consideration of the biological and psychological perspectives. An examination of the research methods employed by criminologists in the collection and analysis of data will also be undertaken

## **SPANISH (SPANISH)**

### **SPANISH 1**

Elementary Spanish I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Advisory: English 28 and 67.

Student receives practice in the pronunciation, grammar, practical vocabulary, and useful phrases in Spanish. In addition, basic facts of the geography, customs and culture of the Spanish speaking world are presented.

### **SPANISH 2**

Elementary Spanish II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Spanish 1 with a satisfactory grade or equivalent

Students complete Elementary Spanish I emphasizing reading of elementary texts and the spoken language.

### **SPANISH 3**

Intermediate Spanish I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Spanish 2 with a satisfactory grade or equivalent

Students receive review of grammar, composition and vocabulary building. Introduction to Spanish and Latin-American authors.

### **SPANISH 4**

Intermediate Spanish II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Spanish 3 with a satisfactory grade or equivalent.

Students review grammar and composition while they build their vocabulary.

### **SPANISH 5**

Advanced Spanish I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Spanish 4 with a satisfactory grade or equivalent.

The student participates in an overall examination of the arts and the concept of aesthetics in preparation for the study of literature. The focus is on the narrative (short story and novel) and poetry in Spanish and Latin American literary traditions. The course also examines the translation to film of some of the works studied. Discussions are generated by lectures and readings provide oral practice in the target language. Written expression and review of grammatical structures, orthography and punctuation is done through essays on selected themes.

### **SPANISH 6**

Advanced Spanish II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Spanish 5 with a satisfactory grade or equivalent.

The student studies the theater as a literary and performing art, and the essay as a non-fictional form of expression. Through lectures and readings, students will learn about the trajectory of the theater and the essay in Spanish and Latin-American literary traditions. Discussions are generated by lectures and reading provide for oral practice in the target language. Written expression and review of grammatical structures, orthography and punctuation are done through essays on selected themes.

### **SPANISH 8**

Conversational Spanish

2 UNITS (UC: CSU)

LECTURE 2 HOURS

Prerequisite: Spanish 2 with a satisfactory grade or equivalent.

The Student practices the oral expression in Spanish as the main thrust of the course. The focus is on conversational skills revolving around everyday situations that a person may encounter when traveling or living in Spanish-speaking countries, or when interacting with Spanish-speaking people in the United States.

### **SPANISH 9**

Civilization of Spain

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

The Student learns the history, cultures, traditions and arts of Spain. Beginning with prehistory and progressing through the different epochs to the present day, an overview of the identity of Spain and its peoples will be the focus. Furthermore, comparisons to the histories and cultures of other European countries will clarify Spain's similarities to them as well as highlight its stark uniqueness. The course is taught in English.

### **SPANISH 10**

Latin American Civilization

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 28 and 67.

The Student learns the history, cultures and arts of Latin America. The focus of the course is to study the differences and

similarities between the countries that comprise Latin America, noting the unifying forces as well as those that divide. The course also explores the relationship between Latin America and the United States throughout their histories.

**SPANISH 11**

Great Books of Spanish Literature

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Spanish 4 with a satisfactory grade or equivalent.

Advisory: English 28 and 67

Students are introduced to selections from masterpieces of Spanish Literature. Conducted in Spanish.

**SPANISH 15**

Great Books of Latin American Literature

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Spanish 4 with a satisfactory grade or equivalent.

Advisory: English 28 and 67

Students explore the major authors and works of Latin American literature from the Pre-columbian Times to the 20th Century. Students will analyze the literary history of Latin America, examining the literary genres, themes and movements in cultural, social, and historical context. Conducted in Spanish. Readings are in Spanish.

**SPANISH 21**

Fundamentals of Spanish I

3 UNITS (UC: CSU)

Advisory: English 28 and 67.

Student receives practice in the pronunciation, grammar, practical vocabulary, and useful phrases in Spanish. In addition, basic facts of the geography, customs and culture of the Spanish speaking world are presented. Spanish 21 and Spanish 22 together are equivalent to Spanish 1.

**SPANISH 22**

Fundamentals of Spanish II

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Prerequisite: Spanish 21 with a satisfactory grade or equivalent.

Student receives practice in the pronunciation, grammar, practical vocabulary, and useful phrases in Spanish. In addition, basic facts of the geography, customs and culture of the Spanish speaking world are presented. Spanish 21 and Spanish 22 together are equivalent to Spanish 1.

**SPANISH 35**

Spanish for Spanish Speakers I

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Spanish 2 with a satisfactory grade or equivalent.

The bilingual student practices written Spanish with an emphasis on the acquisition of a solid grammatical base, vocabulary enrichment, and spelling. Addresses all four skills in Spanish, but focuses on reading and writing. Includes readings on the geography, customs and culture of Spain and Latin America.

**SPANISH 36**

Spanish for Spanish Speakers II

5 UNITS (UC: CSU)

LECTURE 5 HOURS

Prerequisite: Spanish 35 with a satisfactory grade or equivalent.

The student completes the study of grammar and continues the development of reading and writing skills. Further study of Spanish and Latin American culture and civilization is included.

**SUPERVISION (SUPV)****SUPERVISION 1**

Elements of Supervision

3 UNITS (CSU)

Lecture 3 hours Open to all Students.

Advisory: English 28 and 67 or equivalent.

Students develop leadership abilities used in supervisory positions in business and industry.

**SUPERVISION 12**

Written Communications for Supervisors

3 UNITS

LECTURE 3 HOURS

Advisory: English 28 and 67 or equivalent.

Students learn to improve their writing ability and write professional email messages, memorandums and a wide range of business letters, including direct requests for information, replies to information requests, direct claims, adjustment letters, letters of recommendation, persuasive requests, refusing routine requests and breaking bad news to customers and to employees. This course is one in a series that applies to the college's Certificates in Business Administration, Marketing and Management, and the Western Association of Food Chains' Marketing Management Certificate.

**TELEVISION (TV)****TELEVISION 1**

Introduction to Television

3 UNITS (UC: CSU)

Lecture 3 hours

Students study what's on Television and why, including the history of Radio and Television Broadcasting. They also learn costs, ratings, profits, the FCC rules, cable and pay Television. Recommended elective for Journalism, Theatre and Public Relations.

**TELEVISION 4**

Television Camera Lighting and Sound

3 UNITS (A) (CSU)

LECTURE 3 HOURS

Students learn the basic techniques, aesthetic conventions and practical use of lighting and sound equipment in a multi-camera television production environment.



**TELEVISION 6**

## Studio and Remote Production

3 UNITS (A) (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Prerequisite: Television 46 with a satisfactory grade or better

Advisory: Cinema 2

Students light and shoot remote setups then edit those pieces for inclusion into a half hour live to tape production in the studio.

**TELEVISION 7**

## Television Announcing I

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 3 HOURS

Students produce news packages and interviews and perform the role of reporter as part of training in Television announcing for broadcast news, sports, weather, and entertainment. They participate as on-camera talent and writers for the production of a half hour in-studio live-to-tape production of a local news broadcast.

**TELEVISION 9**

## TV Equipment

3 UNITS (CSU)

Lecture 3 hours Advisory: Television 4

Students learn the principles and operation of a multi-camera television control room and studio equipment leading to the production of their own live-switched one-minute public service announcement. Sound control, studio lighting, control room procedures, camera operation, directing, script writing, storyboarding, and production design are emphasized.

**TELEVISION 25-1**

## Television and Film Dramatic Writing I

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Students learn professional methods and techniques of creating characters and stories to develop into film and TV scripts, including drama and comedy, in both the single and multi-camera formats. Class also deals with getting an agent and how scripts are sold.

**TELEVISION 25-2**

## Television and Film Dramatic Writing II

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisite: TV 25-1 with a satisfactory grade or better

Students learn professional methods and techniques of advanced television and film writing for drama and comedy for single and multiple camera. Scripts begun in TV 25-1 may be worked on for completion and/or revision.

**TELEVISION 46**

## Television Production

3 UNITS (CSU)

LECTURE 2 HOUR. LABORATORY 2 HOURS

Prerequisite: Television 9 or 4 with a satisfactory grade.

Students write, produce, and direct a series of live-switched video productions. Each Student functions as talent or crew in productions produced by classmates. Production protocol learned will include: operation of studio cameras; lighting instruments and control; and

operation of control room equipment including switcher, audio mixer, video recording, and character generator as well as directing, writing and producing.

**TELEVISION 48**

## Television Programming and Video Tape Production Workshop

3 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 3 HOURS

Prerequisite: Television 46 with a satisfactory grade.

Advanced production course that focuses on above the line production responsibilities for live-to-tape multi-camera television productions. Positions for this course include: Producer, Director, Writer, Segment Producer, Assistant Director and Talent. TV 48&49 meet together at the same time. You cannot take both classes in the same semester..

**TELEVISION 49**

## TV Production Workshop

3 UNITS (A) (CSU)

LECTURE 2 HOURS. LABORATORY 2 HOURS

Prerequisites: TV 46 with a satisfactory grade.

Advanced television production course that focuses on below -the- line production responsibilities for live-to-tape multi-camera television productions. Production positions for this course include: Camera Operator, Lighting Director, Set Designer, Graphics, Audio Engineer, Technical Director, Floor Director, Field Shooter, Segment Editor. There is no Producing or Directing in this course. TV 48 & 49 meet together at the same time. You cannot take both classes in the same semester.

**TELEVISION 55**

## Digital Video Production Workshop I

3 UNITS (A) (CSU)

LECTURE 1 HOUR. LABORATORY 4 HOURS

Prerequisite: Cinema 1, 2, and Television 4, 9.

Intermediate cinema and television Students produce short video projects using digital video cameras and editing systems.

**TELEVISION 185**

## Directed Study Television

1 UNIT (CSU)

LECTURE 1 HOUR PER UNIT.

Prerequisite: Television 46 with satisfactory grades or better

Note: Courses limited to advanced LACC Television Students.

Allows Students to pursue directed study in Television on a contract basis under the direction of a supervising instructor. THEATER

**THEATER (THEATER)****THEATER 100**

## Introduction to the Theatre

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101

A survey study and analysis of the various elements that make up the Institution called the Theatre. Subjects range from origins of primitive drama to contemporary structure and direction of our modern Theatre.

**THEATER 105-1 (FORMERLY THEATER 105)**

Theater Survey, Literature

1 UNITS (CSU)

LECTURE 1 HOUR

Enrollment required of Theater majors each semester of attendance. The student is introduced to theater literature and is enriched through the survey and observation of regularly scheduled programs consisting of acting scenes and exercises from the various theater classes. The basic program is augmented by the appearance of guest artists and theater groups. Students are required to attend live events outside campus and report on their observations of theater literature through journal and essay writing assignments.

**THEATER 105 - 2**

Theater Survey, Performance

1 UNITS (CSU)

LECTURE 1 HOUR

Enrollment required of Theater majors each semester of attendance. The student is introduced to theater performance by the actor and is enriched through the survey and observation of regularly scheduled programs consisting of acting scenes and exercises from various theater classes. The basic program is augmented by the appearance of guest artists and theater groups. Students are required to attend live events outside campus and report on their observations of acting performance through journal and essay writing assignments.

**THEATER 105-3**

Theater Survey, Design

1 UNITS (CSU)

LECTURE 1 HOUR

Enrollment required of Theater majors each semester of attendance. The student is introduced to theater design and is enriched through the survey and observation of regularly scheduled programs consisting of acting scenes and exercises from the various theater classes. The basic program is augmented by the appearance of guest artists and theater groups. Students are required to attend live events outside campus and report on their observations of theater design through journal and essay writing assignments.

**THEATER 105-4**

Theater Survey, Audience Experience

1 UNITS (CSU)

LECTURE 1 HOUR

Enrollment required of Theater majors each semester of attendance. The student is introduced to the audience experience and is enriched through the survey and observation of regularly scheduled programs consisting of acting scenes and exercises from the various theater classes. The basic program is augmented by the appearance of guest artists and theater groups. Students are required to attend live events outside campus and report on their observations of their audience experience in journal and essay writing assignments.

**THEATER 110**

History of the World Theater

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Advisory: English 101 or equivalent.

Students read, discuss and analyze major works of dramatic literature from the Golden Age of Greece through contemporary. They develop an understanding and appreciation of the dramatic form in, story arc, character development throughout major artistic

movements in dramatic literature and within the social and political context they were written and to express that appreciation in reasoned analyses.

**THEATER 114**

Script Study for Theatre Performance, Production and

Appreciation

3 UNITS (CSU)

LECTURE 3 HOURS

The student studies and learns principles, theories, and techniques of play script analysis for theatrical production. Topics covered will include the exploration of social and political context of the literature, character development, story arc, and theatrical conceits used in live productions.

**THEATER 185**

Directed Study

1 UNITS (CSU)

Allows students to pursue Directed Study on a contract basis under the supervision of an instructor. Please refer to the "Directed Study" section of this catalog for additional information.

**THEATER 200**

Introduction to Acting

3 UNITS (UC: CSU)

LECTURE 3 HOURS

Through lecture, discussion, demonstration, and various participation exercises, the Student is introduced to the art and craft of acting.

**THEATER 205**

Actor's Orientation to Professional Theatre

2 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS

Prerequisite: Theater 270.

The student learns about a career as a professional actor in the American entertainment industry including methodology and techniques for seeking and gaining employment in Theater, Film, Television, Commercials, and New Media, which includes all forms of electronic performance.

**THEATER 210**

Introduction to Oral Interpretation of Dramatic Literature

3 UNITS (UC: CSU)

LECTURE 3 HOURS

A study of the techniques of oral Interpretation Including phrasing, Inflection, work relish, verse scansion, tempo and rhythm--designed to develop the actor's Interpretive skills.

**THEATER 212**

Introduction to Oral Interpretation of Shakespearean

Literature

3 UNITS (UC: CSU)

Students study and practice techniques of oral interpretation--including phrasing, inflection, word relish, verse scansion, tempo and rhythm - designed to develop the actor's interpretative skills of Shakespearean text at an introductory level.

**THEATER 225**

Beginning Direction  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Prerequisite: Theater 274 with a satisfactory grade.

The student learns fundamental concepts in stage direction as explored through lecture, exercise and demonstration. Beginning with play analysis from a director's point of view to creating a directorial vision, the course includes an introduction to the basic principles of stage directing and the fundamental working techniques for the realization of the values of a play onstage.

**THEATER 232**

Play Production  
2 UNITS (RPT 3) (UC: CSU)  
LABORATORY 6 HOURS

The student is given the opportunity to work intensely in one or more areas associated with production: acting, voice, movement, management, costuming or technical theatre. Students must be prepared to work irregular hours

**THEATER 235**

Play Production and Company Performance  
5 UNITS (UC: CSU) (RPT 3)  
LABORATORY 10 HOURS

Theater students study the rehearsal and performance practices of performing in theater productions assigned as lead actors, character actors, or bit parts. Theater Students study the real practices of managerial and technical theater while participating in college public performances, technical shops and theater spaces. Production work may consist of the following: Acting, carpentry, costumes, painting, lighting, sound, props and stage management.

Study culminates in a college public performance entered in the American College Theater Festival.

**THEATER 240**

Voice and Articulation for the Theatre  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Developing voice and speech skills, emphasizing clarity, precision, tone, dynamics and imaginative use of language. Individual goals will be set for performance and standards of improvement to help the Student acquire the basics of good theatre speech.

**THEATER 242 - 1 (FORMERLY THEATER 242)**

Voice Development Workshop - Level 1  
3 UNITS (CSU)  
LABORATORY 6 HOURS

The student actor studies, practices, and demonstrates knowledge and skill in vocal and physical development at an introductory level with specific emphasis on proper breath support, alignment, and vocal & physical clarity, freedom, and strength.

**THEATER 242 - 2**

Voice Development Workshop - Level 2  
3 UNITS (CSU)  
LABORATORY 6 HOURS

Prerequisite: Theater 242-1

The student actor studies, practices, and demonstrates knowledge and skill in vocal and physical development at a beginning level with specific emphasis on resonance, precision & dynamics, and enhanced expressiveness

**THEATER 242 - 3**

Voice Development Workshop - Level 3  
3 UNITS (CSU)  
LABORATORY 6 HOURS

Prerequisite: Theater 242-2

The student actor studies, practices, and demonstrates knowledge and skill in vocal and physical development at an intermediate level with specific emphasis on diction, International Phonetic Alphabet (IPA), and dance choreographed movement.

**THEATER 242 - 4**

Voice Development Workshop - Level 4  
3 UNITS (CSU)  
LABORATORY 6 HOURS

Prerequisite: Theater 242-3

The student actor studies, practices, and demonstrates knowledge and skill in vocal and physical development at an advanced level with specific emphasis on elevated speech & language, rhythm & gestural expressiveness, and stage combat.

**THEATER 246-1 (FORMERLY THEATER 246)**

Vocal Performance Workshop - Level 1  
2 UNITS (CSU)  
LABORATORY 6 HOURS

The student actor learns and applies correct vocal performance skills to the acting of a role(s) in a Theatre Academy production with special focus on landing the specific meaning of the text with precision and clarity - through varied introductory vocal exercises, techniques, warm-ups, and coaching sessions.

**THEATER 246-2**

Vocal Performance Workshop - Level 2  
2 UNITS (CSU)  
LABORATORY 6 HOURS

Prerequisite: Theater 246-1

Through detailed vocal exercises, techniques, warm-ups, and coaching sessions the student actor learns and applies correct beginning vocal performance skills to the acting of a role(s) in a Theatre Academy production with special focus on building & sustaining powerful breath support which creates rich resonance and extended range for speaking and singing on stage

**THEATER 246-3**

Vocal Performance Workshop - Level 4  
2 UNITS (CSU)  
LABORATORY 6 HOURS

Prerequisite: Theater 246-2

The pre-professional Student actor learns and demonstrates advanced application of vocal performance skills to the acting of role(s) in a Theatre Academy production from contemporary/modern literature such as Beckett - with focus on advanced vocal

exercises, techniques, and coaching sessions that create authentic 'character' voices through pitch variation, inflection, placement, physicality, tempo, and subtext

#### **THEATER 246-4**

Vocal Performance Workshop - Level 4

2 UNITS (CSU)

LABORATORY 6 HOURS

Prerequisite: Theater 2 46-3

Through advanced vocal exercises, techniques, warm-ups, and coaching sessions the pre-professional student actor learns and demonstrates advanced application of vocal performance skills to the acting of a role(s) in a Theatre Academy production from classical literature such as Shakespeare - with detailed focus on the unique challenge of authentically speaking heightened text with powerful, meaningful, dynamic vocal expressiveness and subtlety.

#### **THEATER 262**

Special Projects

2 UNITS (CSU)(RPT 3)

LABORATORY 4 HOURS

Prerequisite: Theater 270 with a satisfactory grade.

Advanced students are given the opportunity to plan, rehearse, stage and produce approved all Student projects for presentation before an audience.

#### **THEATER 270**

Beginning Acting

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 4 HOURS

The students receive an introduction to the art and craft of acting. This class is the first level of the Theater Academy's Professional Training Program's acting option.

Students perform on stage using the physical body and voice to experience the process of the actor. Topics covered include: basic stage technique, movement values, relaxation, body awareness, physical limbering and alignment, pantomimic dramatization, pay and scene study. Students receive an introductory appreciation of how an actor trains for a career in theater, film and television as they develop their own skills of physical, verbal and emotional communication.

#### **THEATER 271**

Intermediate Acting

3 UNITS (UC: CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS

Prerequisite: Theater 200

Acting principles are expanded and applied in staged scenes. The emphasis is on comprehension, translation into meaningful dramatic action, and creation. The actor's self-awareness is explored and developed before a classroom audience.

#### **THEATER 272**

Intermediate Applied Acting

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 4 HOURS

Prerequisite: Theater 270 and 100.

The student learns to apply the acting principles introduced in Theatre 270 in staged scenes. The Student incorporates fundamental

and basic techniques of acting into meaningful dramatic action on stage. The actor's self-awareness is explored and developed before a classroom audience in scenes and exercises.

#### **THEATER 274-1 (FORMERLY THEATER 274)**

Advanced Applied Acting - Level 1

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 4 HOURS

Prerequisite: Theater 2 72 with a satisfactory grade.

The student is engaged in greater in-depth analysis of staged scenes. Emphasis is placed upon the rehearsal process and rehearsal techniques.

#### **THEATER 274-2**

Advanced Applied Acting - Level 2

3 UNITS (UC: CSU)

LECTURE 2 HOURS. LABORATORY 4 HOURS

Prerequisite: Theater 2 74-1 with a satisfactory grade.

The student is engaged in character and text analysis of roles in staged scenes at an advanced level. Emphasis is placed upon the student's demonstration of advanced rehearsal processes and techniques.

#### **THEATER 275**

Scene Study

2 UNITS (CSU)

LECTURE 1 HOUR. LABORATORY 2 HOURS

The student is engaged in greater in-depth analysis of staged scenes. Emphasis is placed upon the rehearsal process and techniques.

#### **THEATER 276-1 (FORMERLY THEATER 276)**

Actor's Workshop - Level 1

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 4 HOURS

Prerequisite: Theater 2 74-2

The student demonstrates the ability to analyze scenes and speeches from selected plays at an advanced level. Content emphasizes research, characterization, playing actions/reactions, vocal development, emotional centering, discoveries, release, control and physical expressiveness.

#### **THEATER 276-2**

Actor's Workshop - Level 2

3 UNITS (CSU)

LECTURE 2 HOURS. LABORATORY 4 HOURS

Prerequisite: Theater 276-1.

The student demonstrates the ability to analyze scenes and speeches from selected plays at an advanced level. Content emphasizes research, characterization, playing actions/reactions, vocal development, emotional centering, discoveries, release, control and physical expressiveness.

#### **THEATER 277**

Character Analysis

3 UNITS (UC: CSU)

Lecture 3 hours

Prerequisite: Theater 270.

The course covers the analytical steps involved in the study of a play and the development of a character preparatory to rehearsals and performances.

**THEATER 285**

Directed Study  
2 UNITS (CSU)  
LECTURE 2 HOURS

TA 285 allows students to pursue Directed Study on a contract basis under the supervision of a supervising instructor. Please refer to the 'Directed Study' section of this catalog for additional information.

**THEATER 294**

Rehearsals and Performances IV  
4 UNITS (RPT 3)  
LABORATORY 12 HOURS

Students perform a role (or roles) in a public performance of a play in the Theatre Academy season integrating principles and techniques of acting, character analysis, voice and movement. Students will be introduced to rehearsal disciplines and professional work habits during the preparation for public performance and will experience audience response to their acting skills.

**THEATER 300**

Introduction to Stagecraft  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

The student studies the theory and professional practices of design and technical play production for: scenery, properties, lighting, sound, costuming, and stage management.

**THEATER 302**

Introduction To Stage Management  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

Students learn the function of stage managers in professional theater productions.

**THEATER 311**

Theatrical Lighting  
3 UNITS (UC: CSU)  
LECTURE 2 HOURS  
LABORATORY 2 HOURS

Students develop skills used in theatrical lighting including use of lighting instruments, accessories, control systems, as well as safety procedures. Students will light projects that develop foundational skills placement of appropriate lights, magic sheets, patching as well as accuracy in the reproduction of light plots.

**THEATER 313**

Scenic Painting for the Theatre  
3 UNITS (CSU)  
LECTURE 2 HOURS. LABORATORY 2 HOURS

Students develop skills used in theatre scene painting, including-- use of equipment and materials, preparation of paint surfaces, paint application techniques as well as safety practices. Students will paint projects that develop foundational skills--cartooning and layout, color theory, paint mixing, brushwork (lining, lay-in, wet blend) as well as accuracy in the reproduction of paint elevations.

**THEATER 314**

Theatrical Sound Design: Fundamentals, Procedures and Operation  
3 UNITS (CSU)  
LECTURE 2 HOURS. LABORATORY 2 HOURS

Students interested in the study of theory and practices used to setup production and sound equipment related materials utilized in a professional sound design for the theater. Students will practice professional sound

**THEATER 315**

Introduction to Theatrical Scenic Design  
3 UNITS (UC: CSU)  
LECTURE 2 HOURS. LABORATORY 2 HOURS

Students study and develop a graphic vocabulary in order to express design concepts for scenic environments. Students analyze specific text or events and create design documentation in order to communicate ideas and visual concepts. Class projects focus on specific skills and forms of design presentations; script analysis, ground plan and section, elevations, details, model building and computer pre-visualization of virtual environments.

**THEATER 321**

Computer Aided Drafting and Design III  
3 UNITS (RPT 3) (CSU)  
LECTURE 3 HOURS

Students create design plans for theatre disciplines on various computer applications including Auto CAD, Sketchup, and Sketcbok. The design Student will be introduced to the necessary skills to create professional design documentation and paperwork for scenic, lighting, and costume design.

**THEATER 325**

Stage Management and advanced Stagecraft  
3 UNITS (RPT 3) (UC: CSU)  
LABORATORY 12 HOURS

Advisory: English 28 and 67 or equivalent.

This course will provide the Student with instruction in advanced methods, physical techniques, and crew responsibilities of the theatre technician in all the specialty areas. The process will include emphasis on practical solutions and leadership in crew and equipment management. Use of state-of-the-art stage equipment and show operation forms to execute a production in multiple entertainment medias is covered. The direct outcome is to prepare the Student for work in the behind the scenes of the entertainment industry.

**THEATER 335**

Applied Stage Management and Production  
4 UNITS (RPT 3) (UC: CSU)  
LABORATORY 12 HOURS

Technical Theatre students study the real and theoretical practices of managerial and technical theatre while constructing an actual production in college shops. Production work will consist of; carpentry, painting, lighting, sound editing and or stage management.



**THEATER 336**

Applied Stage Management and Production Lab  
1 UNIT  
LABORATORY 3 HOURS

Technical Theater students study the real and theoretical practices of theater production while mounting an actual production in a college theater venue. Production crew work will consist of the collaborative synthesis of multiple departments in the creation of a theatrical performance and the techniques necessary in the management of resources towards a successful entertainment event.

**THEATER 338**

Introduction to Design: Theatre, Film, and Television  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

An Introduction to the design process for theatre, film, and television. Exploration of; the relationship between text and esthetic design choices, the recognition of basic compositional elements; color, mass, line, texture, rhythm, balance as used in storytelling, and the creation of design presentations through collage as well as studying the architectural spaces of storytelling, from the proscenium arch to the sound stage.

**THEATER 345**

Technical Stage Production  
4 UNITS (RPT 3) (UC: CSU)  
LABORATORY 12 HOURS

Co-requisite: Theater 270 or 272

Theatre Academy advanced acting students study the real and theoretical practices of managerial and technical theatre while mounting an actual production in a college theater venue. Production work will consist of the collaborative synthesis of multiple departments in the creation of a theatrical performance and the techniques necessary in the management of resources towards a successful entertainment event.

**THEATER 385**

Directed Study-Theater  
3 UNITS  
LECTURE 3 HOURS

Theater students pursue on their own an in-depth study of a subject of special interest in the field of theater. Consultation with the instructor on a weekly basis, plus independent work is required.

**THEATER 400**

Costume Periods and Styles  
3 UNITS (UC: CSU)  
LECTURE 3 HOURS

The student studies the changes in dress from ancient to modern times, relating social and political forces influencing costuming for stage, film, and television.

**THEATER 411**

Costuming For the Theatre  
3 UNITS (CSU)  
LECTURE 2 HOURS. LABORATORY 2 HOURS

Students study the techniques and practices of theatrical costuming. Topics include: choice, use, and manipulation of patterns, textiles, jewelry and accessories to imitate historical appearances meeting the needs of performance costume rather than clothing. Practical solutions to budget limits and camera media.

**THEATER 413**

Costume Dyeing and Painting  
3 UNITS CSU  
LECTURE 2 HOURS. LABORATORY 2 HOURS

The student learns techniques of dyeing and surface design of fabric for theater and film and practices dyeing, tie dye, batik, stencil, screening, heat transfer, aging, antiquing and distressing.

**THEATER 414**

Costume Draping and Accessories  
3 UNITS  
LECTURE 2 HOURS. LABORATORY 2 HOURS.

Students study the theory and practice of creating stage and film costumes and costume accessories through draping.

**THEATER 415**

Costume Design for the Theater  
3 UNITS CSU  
LECTURE 2 HOURS. LABORATORY 2 HOURS.

Advisory: English 101

Students study the techniques and practices of theatrical costume design and illustration. Topics include: analyzing the play script, research techniques, creating the costume plot, choice and use of media, illustrating costume design for needs of theatrical performance.

**THEATER 416**

Materials and Methods for the Costumer  
3 UNITS (CSU)  
LECTURE 2 HOURS. LABORATORY 2 HOURS

Advisory: English 28 and 67131 or equivalent.

Lecture and laboratory study of the properties of various non textile materials used by the costumer including latex, leather, plastics, dyes, glues, foam, rubber and molds.

**THEATER 417**

Costuming for Film  
3 UNITS (CSU)  
LECTURE 2 HOURS. LABORATORY 2 HOURS

Techniques and practices of costuming for film; analyzing and breaking down the script using computer spreadsheet, creating character boards, design conferences, budgeting, preproduction planning and resourcing.

**THEATER 418**

Communicating Theatrical Design  
3 UNITS  
LECTURE 2 HOURS. LABORATORY 2 HOURS

Students explore basic methods and techniques for the theatrical designer to communicate both scenic and costume design. Includes perspective drawing, ground plans, shading, textures, character bodies and illustration techniques using pencil and colored pencil.

**THEATER 419**

Advanced Costume Illustration  
3 UNITS (RPT 1) (A)  
LECTURE 2 HOURS. LABORATORY 2 HOURS

The student studies advanced costume illustration for theatre and film, including; advanced figure drawing, sketch artist techniques, computer illustration, rendering textures and creating finished costume plates.

**THEATER 420**

Costuming on Set

3 UNITS

LECTURE 2 HOURS. LABORATORY 2 HOURS

Students study and practice techniques of on set costuming. Instructional activities include: interview with Student directors, prepare for design conferences, prepare costumes, and work as an on-set costumer for a Student film project. Completed film project will be viewed as part of final evaluation.

**THEATER 425**

Applied Costuming for the Theatre

4 UNITS (RPT 3) (CSU)

LABORATORY 12 HOURS

Students receive practical experience in construction and maintenance of costumes for public theatrical presentation. Emphasis on professional wardrobe/dressing room practices, construction, alteration, maintenance, repair, cleaning and storage of costumes. Students must be available for rehearsals and performances.

**THEATER 450**

Beginning Stage Make Up

3 UNITS (UC: CSU)

LECTURE 2 HOUR. LABORATORY 2 HOURS

The student learns techniques and practices of theatrical makeup design and application. The Student analyzes faces and designs and performs makeups including; glamor, aging, beards, stylized, and impersonations on their own face. Topics include the use of makeup for film and television.

**NONCREDIT****NONCREDIT SUCCESS ACADEMIES**

DEAN/CHAIR: ANGELICA RAMIREZ

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(323) 953-4000 ext. 2230, EWD-100

The Los Angeles City College (LACC) Noncredit Success Academies prepares Basic Skills learners, English as a Second language learners, economically disadvantaged, and other non-traditional college students to attain the essential knowledge, skills and abilities to successfully acquire and retain employment, transition to College, and/or effectively explore, plan and establish career pathways leading to growth opportunities in high demand occupations.

The focus of the Academies is to designate participation in workforce education programs as the first step in the career pathway of success towards attaining economic self-sufficiency, with subsequent career pathway progression to credit, vocational education skills certificates, certificated programs, and associate degree programs.

The Academy's education and training programs encompass valuable Noncredit Skills Certificates and over 50 courses in Basic Education, computing skills, English as a Second Language (ESL), Vocational ESL (VESL), Citizenship/English Literacy, Workforce Literacy, Entrepreneurship, and Job Readiness skills. We also offer associated Short-Term Vocational Training for high demand jobs in high-growth industries such as healthcare, child development, hospitality and retailing. All courses can be offered on a "Stand-Alone" basis.

All noncredit courses and certificate programs are FREE to all program participants. Training opportunities will help participants advance in their career. The tuition-free noncredit classes listed in this catalog are held at various locations within the district to make classes more accessible to community members. Courses are taught at the LACC main campus 855 N. Vermont Avenue, Los Angeles, CA 90029, (For other off-campus locations, please visit the Noncredit Education website).

**BASIC SKILLS 006CE**

Review of Basic English

0 UNITS

This course is designed for Students who need an overview of high school level English. Students review: grammar, reading comprehension, literary responses and writing skills. This course is modifiable for the LEP student.

Class Hours: 36 hours

**BASIC SKILLS 007CE**

Review of Basic Math

0 UNITS

This course is a review of high school level math. The curriculum is designed to assist a variety of students i.e., including those still in high school, in transition from high school to employment and dislocated workers returning back to school. The curriculum is also modifiable for the LEP student.

Class Hours: 36 hours

**BASICSKILLS 023CE**

College And Scholastic Assessment Preparation  
0 UNITS

This course is designed to review test-taking, math, reading and writing skills to prepare Students for college assessment tests as well as orient Students in note-taking, study, and organizational skills required for college success.

Class Hours: 36 hours

**BASICSKILLS 034CE**

High School Equivalency Test Preparation  
0 UNITS

This course is designed to review test taking, math, reading, writing, science and social studies skills to prepare Students to pass a California approved High School equivalency test.

Class Hours: 117 hours

**BASICSKILLS 035CE**

Basic Math Skills  
0 UNITS

This course is designed to help build confidence and prepare individuals who are transitioning into a new career or need to brush up his/her skills. Upon successful completion of this class, Students will be able to perform basic computations and solve relevant mathematical problems in a variety of occupations.

Class Hours: 54 hours

**BASIC SKILLS 037CE**

Bootcamp for English  
0 UNITS

Students will improve their academic writing. They will develop their understanding of purpose, audience, drafting, revision, and editing methods. Students will improve their critical reading and writing skills. This class is designed to help students place into English 101, a college-level writing course (or place into a higher level of English than their initial placement).

CLASS HOURS: 54 HOURS

**BASIC SKILLS 052CE**

College Preparatory English A  
0 UNITS

Students review material designed to prepare for a high school equivalency exam. Students review standards of reading comprehension, word analysis, literary response and analysis and language used at the High School English Level. The curriculum is modifiable to meet the needs of Limited English Proficient (LEP).

Class Hours: 36 hours

**BASIC SKILLS 053CE**

College Preparatory English B  
0 UNITS

This scholastic assessment preparation course is designed to prepare Students for any High School Equivalency exam such as the CAHSEE, HiSET, or the General Educational Development (GED): Literature and the Arts test. The class will include critical thinking skills - reading comprehension skills, interpreting graphs, analyzing literature and the arts including tone and style/prose fiction, interpreting poetry, drama, plays, non-fiction and commentaries. The curriculum is modifiable to meet the needs of Limited English Proficient (LEP) populations.

Class Hours: 36 hours

**BASIC SKILLS 070CE**

Post - Secondary Strategies for Academic Success  
\*pending approval  
0 UNITS

An introduction to Los Angeles City College that includes assessment for Math, English/ESL, counseling, development of an educational plan, programs, services, policies, degrees, certificates, transfer requirements, and college culture. Focus will be on the completion of the SSSP requirements and strategies needed for academic success as well as the development of a Student Educational Plan.

Class Hours: 36 hours

**BASICSKILLS 075CE**

Introduction to Post Secondary Education  
0 UNITS

This course introduces Students to the opportunities and benefits of post-secondary education. This course provides Students with essential information, strategies and tools that will help overcome real and perceived obstacles and successfully navigate their transition to college.

Class Hours: 9 Hours

**BASICSKILLS 083CE**

GED Preparation: Literature And the Arts  
0 UNITS

Students prepare for the General Educational Development(GED): Literature and the Arts Test, Hi-SET or any high school equivalency exam. The class includes critical thinking, reading comprehension, interpreting graphs, analyzing literature and the arts, tone and style/prose fiction, interpreting poetry, drama, plays, non-fiction and commentaries. This course is also modifiable for the LEP population.

Class Hours: 54 hours

**BASICSKILLS 084CE**

GED Preparation: Mathematics  
0 UNITS

Students prepare for the General Educational Development (GED): Mathematics Test. This class includes arithmetic, the metric system, algebra, geometry, statistics and probability problems. Depending upon the diagnostic assessment, Students will be directed to an appropriate plan of study. This course is also modifiable for the LEP population.

Class Hours: 54 hours

**BASICSKILLS 085CE**

GED Preparation: Science  
0 UNITS

Students prepare for the General Education Development(GED): Science Test. This class includes biology, earth science, astronomy, geology, meteorology, chemistry and physics. This course is also modifiable for the LEP population.

Class Hours: 54 hours

**BASICSKILLS 086CE**

GED Preparation: Social Studies  
0 UNITS

Students prepare for the General Education Development(GED): Social Studies Test. This class enhances student's ability to read, understand, and use information in the context of social studies.

Students focus on the five basic social studies content areas: United States history, civics and government, economics, and geography. This course is also modifiable for the LEP population.

Class Hours: 54 hours

### **ESL 001CE**

English as a Second Language Beginning I

0 UNITS

Prerequisite: None

Designed for LEP Students to identify time phrases in sentences demonstrating the correct use of verb tenses. Students follow this task by locating and recognizing the parts of speech including nouns, verbs and adjectives.

Class Hours: 54 hours

### **ESL 002CE**

English as a Second Language Beginning II

0 UNITS

Students participate in basic communication and conversation exercises, providing the appropriate response to routine social situations. Students read simple passages, and formulate and write sentences describing transportation, employment, community resources, clothing, and interpersonal communication.

Class Hours: 54 hours

### **ESL 050CE**

Beginning Conversation

0 UNITS

Students in this beginning level course will learn to develop reading comprehension, critical thinking, and vocabulary skills that will prepare them for their academic and career success. This course is designed to build upon the vocabulary learned in ESL Beginning 1 up to 900 of the high frequency words. In addition, the students will continue to develop reading and speaking skills by utilizing materials at the appropriate reading level.

Class Hours: 54 hours

### **ESL AND CIVICS 010CE**

ESL And Civics 1

0 UNITS

Prerequisite: None

Students learn civic content and practice oral/aural skills necessary to begin the process of becoming a United States citizen. Students develop beginning listening, speaking, reading and writing skills at an introductory English as a Second Language (ESL) level.

Class Hours: 18 hours

### **ESL AND CIVICS 011CE**

ESL And Civics 2

0 UNITS

Prerequisite: None

Students learn civic content and practice oral/aural skills necessary to begin the process of becoming a United States citizen. Students continue to develop listening, speaking, reading and writing skills in preparation to take the United States Citizenship and Immigration interview at a beginning English as a Second Language (ESL) Level.

Class Hours: 18 hours

### **ESL AND CIVICS 012CE**

ESL And Civics 3

0 UNITS

Prerequisite: None

This competency-based, open-entry citizenship course introduces U.S. History and government with appropriate English vocabulary and grammar structure for low intermediate level English as a Second Language (ESL) Students who are preparing to take the U.S. citizenship examination.

Class Hours: 54 hours

### **ESL AND CIVICS 013CE**

ESL And Civics 4

0 UNITS

Prerequisite: None

In this open-entry, noncredit course Students will learn about integrated topics of Civics and Citizenship preparation. Students will prepare for the Citizenship test and interview. They will also learn skills to assist them with their immersion into a predominately-English speaking society at an intermediate English (ESL) level.

Class Hours: 54 hours

### **ESL AND CIVICS 014CE**

ESL And Civics 5

0 UNITS

Prerequisite: None

This competency-based, open-entry citizenship course introduces U.S. history and government with the appropriate English vocabulary and grammar structure for high intermediate English as a Second Language (ESL) Students who are preparing to take the U.S. Citizenship examination.

Class Hours: 54 hours

### **ESL AND CIVICS 015CE**

ESL And Civics 6

0 UNITS

Prerequisite: None

Students discuss civics, U.S. history and government at an advanced English as a Second Language (ESL) level. Students prepare for the Citizenship test and interview. Students apply skills to assist them in their immersion into a predominately English speaking society by using advanced vocabulary.

Class Hours: 54 hours

### **ESL AND CIVICS 030 CE**

English Literacy and Civics

0 UNITS

Students apply the content necessary to have a functioning understanding of the English language related to the citizenship test. Students practice a variety of English and grammar contexts to prepare them for basic survival skills in a predominately-English speaking society.

Class Hours: 108 hours

**ESL AND CIVICS 031 CE**

English Literacy and Civics Level 1  
0 UNITS

Students at the Beginning-Low Level apply the content necessary to have a functioning understanding of the English language related to the citizenship test and similar civics objectives. Students practice a variety of English and grammar contexts to prepare them for basic life skills in a predominately-English speaking society.

Class Hours: 108 hours

**ESL AND CIVICS 032 CE**

English Literacy and Civics Level 2  
0 UNITS

This is an open-entry/open-exit course for ESL Students at the Beginning High Level. The skills of listening, speaking, reading, writing, and grammar are integrated and taught through the content of basic life, community, job and citizenship skills.

Class Hours: 108 hours

**ESL AND CIVICS 033CE**

English Literacy & Civics Level 3  
0 UNITS

Students apply the content necessary to have an understanding of the United States Citizenship interview and test. Students practice a variety of advanced English and grammar contexts.

Class Hours: 108 hours

**VOCATIONAL EDUCATION 002CE**

In-Home Supportive Service Providers  
0 UNITS

Prerequisite: None

Students gain the skills required to be an In-Home Supportive Services (IHSS) Provider so that they can promote health and independence for an IHSS client, thus enabling the client to live at home without danger to their health and safety. This training meets the State of California's Home Care Services Consumer Protection Act.

Class Hours: 90 hours

**VOCATIONAL EDUCATION 003CE**

Workplace Computing for Limited English Populations  
0 UNITS

The objective of This course is to provide Students with hands-on experience using a computer for use in society, classroom, and the workplace. Fundamentals of computer hardware, software, and the internet for computer novices at the workplace, introducing basic computer components and functions, including hardware, operating systems, office applications, and web browsers. This course is modifiable for the Limited English Proficient (LEP) student.

Class Hours: 54 hours

**VOCATIONAL EDUCATION 054CE**

Vesl For Child Development 1: Specialized Vocabulary In Developmental Theories  
0 UNITS

This course is specifically designed for limited English proficient Students who are interested in taking Child Development courses, but need additional assistance with language before and during

the course. In addition, Students will be taught study skill strategies, reading strategies and test-taking tools contextualized for the Child Development I credit course offering.

Class Hours: 54 hours

**VOCATIONAL EDUCATION 055CE**

Vocational English as a Second Language C  
0 UNITS

A short-term vocational course designed for Limited English Proficient (LEP) Students who need help with developing basic and content skills related to the world of work. The class focus is speaking, listening, reading, writing, and arithmetic as practiced in the workforce and covers basic employee benefits and compensation; employee-centered practices and performance modes.

Class Hours: 54 hours

**VOCATIONAL EDUCATION 056CE**

VESL For Health Careers  
0 UNITS

Students learn English and acquire a general introduction to careers in the healthcare field and common medical practices. Emphasis is placed on vocabulary, medical terminology, pronunciation, grammar and the comprehension skills necessary for successful transition to health classes. This course is designed for Limited English Proficient (LEP) Students.

Class Hours: 36 hours

**VOCATIONAL EDUCATION 059CE**

VESL For Home-Health Aide  
0 UNITS

This course is designed for Students who need to acquire a general introduction to careers in the healthcare field and common medical practices. Emphasis is placed on vocabulary, medical terminology, pronunciation, and comprehension skills necessary for successful transition to health classes. This class is modifiable for the Limited English Proficient (LEP) student.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 060**

Custodial Technician Training  
0 UNITS

This course will provide students with the knowledge and hands-on training needed to apply for entry-level building maintenance service positions in the public and private sectors. Students will learn and practice basic safety protocols, the use of common custodial tools, and specific cleaning processes for different types of building areas.

Class Hours: 63 hours

**VOCATIONAL EDUCATION 078CE**

Vocational English as a Second Language - B  
0 UNITS

A short-term course designed for Limited English Proficient (LEP) students who need help in developing their basic and content skills related to the world of work. The course focus is speaking, listening, reading, writing and arithmetic as practiced in the workplace and covers conduct, communication styles and relations; health and safety issues.

Class Hours: 54 hours



**VOCATIONAL EDUCATION 079CE**

Vocational English as a Second Language - A  
0 UNITS

A short-term vocational course designed for Limited English Proficient (LEP) students who need help with developing basic and content skills related to the world of work. The course focus is speaking, listening, reading, writing, and arithmetic as practiced in the workforce.

Class Hours: 54 hours

**VOCATIONAL EDUCATION 084CE**

Entrepreneur Training Program  
0 UNITS

This course is designed to introduce students to basic concepts of Entrepreneurship. Topics covered include, but are not limited to: thinking like an entrepreneur, entrepreneurship vocabulary, ways to grow a business, leading organizational change, managing business financials and performance. Students learn and are informed of ways to grow a business and lead organizational change.

Class Hours: 36 hours

**VOCATIONAL EDUCATION 93CE**

Workplace Communication - Managing Successful Relationships  
0 UNITS

This open - entry/exit course is designed for students to learn and make wise decisions that affect Work & Life Balance. Students learn the skills necessary to build and maintain healthy relationships, communication patterns, learn effective speaking and listening techniques, workplace ethics, the importance of becoming a person of character, discussing hidden issues that hinders students from completing their goals. This course can be contextualized and is modifiable for the LEP population.

Class Hours: 36 hours

**VOCATIONAL EDUCATION 230CE**

30 Ways To Shine As A New Employee  
0 UNITS

Education course is designed to provide new and incumbent workers "30 Ways to Shine as a New Employee" and increase their level of customer service and colleague relations. The curriculum is modifiable for the LEP student. The topics covered but are not limited to new beginners, understanding the workplace culture and dealing with change. After completing This course the Student has an option to continue their education or become gainfully employed.

Class Hours: 6 hours

**VOCATIONAL EDUCATION 231CE**

Retailing Smarts 6: Building Sales  
0 UNITS

This short-term vocational education course is designed to provide new and incumbent workers in building sales required in getting to know their customer or client. The curriculum is modifiable for the LEP students. The topics covered but are not limited to suggesting additional merchandise, creating special promotions, and taking the guesswork out of giftgiving. After completing This course the Student has an option to continue their education or become gainfully employed.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 232CE**

Closing the Sale  
0 UNITS

This short-term vocational education course is designed to provide new and incumbent workers with the skills and strategies required in making a sale. The curriculum is modifiable for the LEP students. The topics include recognizing buying signals, asking for the sale and suggesting helpful add-ons.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 233CE**

The Sale Transaction  
0 UNITS

This short-term vocational education course is designed to provide new and incumbent workers with skills needed to efficiently complete sales transactions. The curriculum is modifiable for the LEP Students. The topics covered but are not limited to: accepting checks and credit cards, and completing sales transaction paperwork. After completing This course the Student has an option to continue their education or become gainfully employed.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 234CE**

Explaining Features and Benefits  
0 UNITS

This short-term vocational education course is designed to provide new and incumbent workers with strategies in order to explain features and benefits of products to customers. The curriculum is modifiable for the LEP Students. The topics covered but are not limited to: learning about the products you sell, identifying product features, and demonstrating product features. After completing this course the student has an option to continue their education or become gainfully employed.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 235CE**

Customer Service Smarts: Going the Extra Mile  
0 UNITS

This short-term customer service workshop is designed to provide new and incumbent workers with the strategies required in going the extra mile for a customer. The curriculum is modifiable for the LEP student and designed for incumbent workers and/or new employees. The topics covered but are not limited to: customer follow-up, artfully using business cards, business card etiquette, and personal services. After completion of this workshop the attendee will have two options 1) continue their education 2) become gainfully employed.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 236CE**

Job Club  
0 UNITS

This curriculum is designed to provide prospective employees with a support system that will assist them in preparation for the workforce. The curriculum is modifiable for the LEP students. The topics covered but are not limited to: planning their job search, utilizing outside resources, the "hidden" job market, and job market research. After completing This course the student has an option to continue their education or become gainfully employed.

Class Hours: 6 hours

**VOCATIONAL EDUCATION 237CE**

Strategies In Meeting your Customers Needs

0 UNITS

This short-term vocational education course is designed to provide new and incumbent workers with the strategies required in understanding their customers or client's needs. The curriculum is modifiable for the LEP student. The topics covered but are not limited to making shopping an enjoyable experience, accommodating customers with disabilities, in-store and phone customers, keeping commitments to your customer, and special orders.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 238CE**

Job Readiness Skills (formerly Blueprint for Workplace Success)

0 UNITS

Prerequisite: None

Students receive the necessary tools and skills to prepare for and achieve their career goals. The topics covered include, but are not limited to: interest and skills inventory, goal setting, career exploration, workplace etiquette and culture, workplace laws, effective communication, conflict resolution, time management, job market realities, workplace skills, contacting employers, preparing for the interview, getting hired and keeping your job. This course can be modified for Limited English Proficient (LEP) Students.

Class Hours: 36 hours

**VOCATIONAL EDUCATION 239CE**

Job Readiness Skills (formerly Blueprint for Customer Service)

0 UNITS

This short-term vocational education course is designed to provide new and incumbent workers with the customer service skills required in getting to know their customer or client in order to increase their employability. The topics covered but are not limited to know what customers want, listening to customers, and telephone customer service. After completing this course, the Student has an option to continue their education or become gainfully employed. The curriculum is modifiable for the LEP Students.

Class Hours: 18 hours

**VOCATIONAL EDUCATION ON 240CE**

Strategies In Adapting to Your Customer

0 UNITS

This short-term vocational education course is designed to provide new and incumbent workers with the strategies required in getting to know their customer or client. The curriculum is modifiable for the LEP student. The topics covered but are not limited to learning how to greet customers, building relationships, determining a customer's needs. This course can be offered as a stand-alone course or coupled within the eight modules that are related to this material. After competing This course the Student has an option to continue taking classes in their field of choice, or become gainfully employed.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 241CE**

Get to Know Your Customer

0 UNITS

This short-term vocational education course is designed to provide new and incumbent workers the methods and skills in how to get to know their customer. The curriculum is modifiable for the LEP Students. The topics covered but are not limited to greeting customers in a winning way, building relationships, and determining a customer's needs. After competing This course the Student has an option to continue their education or become gratefully employed.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 242CE**

Banquet Server Skills Training

0 UNITS

New and incumbent workers learn skills to prepare them to be the best in banquet services. Some of the topics covered include, but are not limited to: setting tables for banquets, providing beverage service, taking and serving orders, maintaining buffet tables and refreshing meeting rooms. Upon completion of this workshop, Students will take a Knowledge Test with 100 multiple choice questions. Upon scoring 75% or better on this test Students will qualify for the Banquet Server Skills Certificate provided by the Educational Institute of the American Hotel & Lodging Association. Students will also be awarded a Certificate of Completion by LA City College.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 243CE**

Front Desk Representative

0 UNITS

New and incumbent workers learn skills to prepare them to provide superior guest service. Students will learn, among other skills, how to use effective sales techniques, conduct guest check-ins, serve guests with special needs and turn customer complaints into opportunities to build great relationships with their guests. After completing this workshop, Students will take a Knowledge Test with 100 multiple choice questions. Upon scoring 75% or better on this test Students will qualify for the Front Desk Representative Skills Certificate provided by the Educational Institute of the American Hotel & Lodging Association. Students will also be awarded a Certificate of Completion by LA City College.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 244CE**

Laundry Attendant Skills Training

0 UNITS

New and incumbent workers learn skills to provide the best in guest services. Some topics covered include, but are not limited to, using washers & dryers, sorting and ironing linens, using mechanical flat-work iron and line-folding equipment, sewing & mending, and responding to housekeeping requests Upon completion of this workshop, Students will take a Knowledge Test with 100 multiple choice questions. Upon scoring 75% or better on this test Students will qualify for the Laundry Attendant Skills Certificate provided by the Educational Institute of the American Hotel & Lodging Association. Students will also be awarded a Certificate of Completion by LA City College.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 245CE**

Public Space Cleaner Skills Training  
0 UNITS

New and incumbent workers learn skills to become an effective Public Space Cleaner. Some of the topics covered include, but are not limited to, preparing public spaces for cleaning, using various cleaning tools and agents, learning the different methods of cleaning. Upon completion of this workshop, Students will take a Knowledge Test with 100 multiple choice questions. Upon scoring 75% or better on this test Students will qualify for the Public Space Cleaner Skills Certificate provided by the Educational Institute of the American Hotel & Lodging Association. Students will also be awarded a Certificate of Completion by LA City College

Class Hours: 18 hours

**VOCATIONAL EDUCATION 246CE**

Restaurant Server Skills Training  
0 UNITS

The Restaurant Server course is designed to provide new and incumbent workers with the tools they need to provide the best in restaurant services. Some of the topics covered include, but are not limited to: setting up the restaurant for service, greeting and seating guests and taking beverage and food orders. Upon completion of this workshop, Students will take a Knowledge Test with 100 multiple choice questions. Upon scoring 75% or better on this test Students will qualify for the Restaurant Server Skills Certificate provided by the Educational Institute of the American Hotel & Lodging Association. Students will also be awarded a Certificate of Completion by LA City College

Class Hours: 18 hours

**VOCATIONAL EDUCATION 247CE**

Kitchen Steward Skills Training  
0 UNITS

The Kitchen Steward course is designed to provide new and incumbent workers with the tools they need to provide the best in guest services. Some of the topics covered include, but are not limited to: cleaning tools and surfaces, following a recycling program, washing dishes and silverware and cleaning and sanitizing working surfaces Upon completion of this workshop, Students will take a Knowledge Test with 100 multiple choice questions. Upon scoring 75% or better on this test Students will qualify for the Kitchen Steward Skills Certificate provided by the Educational Institute of the American Hotel & Lodging Association. Students will also be awarded a Certificate of Completion by LA City College.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 248CE**

Maintenance Attendant Skills Training  
0 UNITS

New and incumbent workers learn skills to become an effective Kitchen Steward. This workshop is designed to provide the tools needed to provide the best maintenance services. Some of the topics covered include, but are not limited to: preventative maintenance, inspections, installations, repair and servicing and troubleshooting. Upon completion of this workshop, Students will take a Knowledge Test with 100 multiple choice questions. Upon scoring 75% or better on this test Students will qualify for the Kitchen Steward Skills Certificate provided by the American Hotel & Lodging Association (AH&LA). Students will also be awarded a Certificate of Completion by LA City College.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 249CE**

Reservationist Skills Training  
0 UNITS

New and incumbent workers learn essential computer-based reservation systems for efficient service. Students will learn to take reservations by phone, printed forms, block room, process payments and effective telephone sales techniques. Upon completion of this workshop, Students will take a 100 question multiple choice test; Upon scoring 75% or better on this test Students may qualify for the Reservation Specialist Skills Certificate provided by the American Hotel & Lodging Association (AH&LA). Students will also be awarded a Certificate of Completion by L.A. City College.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 250CE**

Guest Attendant Skills Training  
0 UNITS

This short-term, one-day, six-hour Guestroom Attendant skills workshop is designed to provide new and incumbent workers with the tools they need to provide the best in guest services. Some of the topics covered include, but are not limited to: preparing guestrooms for cleaning, sanitizing rooms, replenishing supplies and keep work areas organized. Upon completion of this workshop, students will take a knowledge test with 30 multiple choice questions. Upon scoring 75% or better on this test and completing 90 hours of on-the-job training, Students will qualify for the Guestroom Attendant Skills Certificate provided by the Educational Institute of the American Hotel & Lodging Association.. Students will also be awarded a Certificate of Completion by the LA City College.

Class Hours: 18 hours

**VOCATIONAL EDUCATION 279CE**

Career Exploration: Workplace Office Administration Skills  
0 UNITS

This competency-based course is designed for new and incumbent workers to learn 21st century skills in Office Administration. It provides Students with technical instruction and practical experience in basic computer operation required for Office Administration. It and includes an orientation, workplace safety, resource management, and employability skills. Emphasis is placed on the computer and its parts, computer operating systems, Word processing, File management, Internet applications, e-mail, computer ethics and security, and virus and spyware protection. This course is modifiable for the Limited English Proficient (LEP) student. If the Student has not been enrolled in a keyboarding course or does not type at least 15 words per minute, it is recommended that the Student currently enroll in VOC ED 003 - Workplace Computing

Class Hours: 18 hours

**VOCATIONAL EDUCATION 294CE**

Introduction to Social Media - WordPress Blogs  
0 UNITS

This course combines demonstrations and hands-on practice to provide students with the basic knowledge and skills needed to create a website using WordPress and install, configure and use social media tools and plug-ins for your website and blog.

Class Hours: 18 hours