

COURSE DESCRIPTIONS

(CREDIT)

This section contains descriptions of the courses offered at Valley College.

All courses which meet the Major Requirements of the educational programs listed in this catalog may be applied toward graduation requirements for the Associate Degree. All transfer courses may also be applied to the Associate Degree. Some courses which are offered for college credit, but which cannot be applied toward graduation requirements for the Associate Degree are designated by the code NDA, Non Degree Applicable.

The course title and the number of units per semester are shown on the first line. In addition, the following code letters are found after the units:

- **UC** – This course is acceptable for unit credit at all branches of the University of California.
- **CSU** – This course is acceptable for credit at all branches of the California State Universities and Colleges.
- **NDA** – Non Degree Applicable.
- **RPT** – The repetitive nature of a course is designated by the abbreviation **RPT**. The symbol **RPT** indicates the number of times a course may be repeated for credit. Example: Spanish 8, Conversational Spanish (2) RPT3. This course may be taken for four semesters at two units per semester.

Courses not offered every semester are indicated by the symbol ‡. Students are advised to pay careful attention to the class schedule for current enrollment information.

Certain courses have some class sections which are designated as *Transfer Alliance Program* (formerly *Honors*). These classes are designed primarily for students who plan to transfer to a four-year college or university. Transfer Alliance classes are indicated in this section by the symbol “✱” which appears at the end of the course title line of information.

NOTE: Since agreements concerning transferability and equivalencies may change, students are advised to check with a counselor for exact information and to seek assistance from the appropriate department chairperson when making extended plans.

ACCOUNTING (ACCTG)

1 Introductory Accounting I (5)

UC:CSU

(Business Administration majors should take this course in the third semester.)

Prerequisite: None.

Lecture, 5 hours.

Fundamental principles of accounting. Includes study of accounting reports, pay-rolls, accrued and deferred items, receivables and payables, asset valuation, and related areas of study. Credit is allowed in only one of Acctg 1 or the Acctg 21/22 combination.

2 Introductory Accounting II (5)

UC:CSU

(Business Administration majors should take this course in the fourth semester.)

Prerequisite: Acctg 1 or Acctg 21 and 22 with a grade of C or better.

Lecture, 5 hours.

An overview of partnership and corporation accounting; departmental and branch accounting; manufacturing and cost accounting, taxes, managerial analysis and interpretation of accounting reports.

3 Intermediate Accounting (3) CSU

Prerequisite: Acctg 2 with a grade of C or better.

Lecture, 3 hours.

Theory and practice, essentially problem technique. Topics include working papers, valuation of current and fixed assets, consignments, installment sales, intangible assets, investments, funds and reserves, corrections, analysis of statements, application of funds.

11 Cost Accounting ‡ (3) CSU

(Offered fall only.)

Prerequisite: Acctg 2 with a grade of C or better.

Lecture, 3 hours.

A survey of the field of cost accounting in general, and consideration of job-lot and process cost accounting in particular. Receiving attention are such topics as accounting methods for material, labor, and factory overhead, and preparation of financial statements from cost data. Numerous problems and one practice set are completed.

15 Tax Accounting I (3) CSU

Prerequisite: Acctg 2 with a grade of C or better.

Lecture, 3 hours.

Study of federal and California income tax laws as they apply to individuals. This course will also include the study of the preparation of Federal and California Income Tax Returns required to be filed.

18 Computerized Payroll Accounting (3)

Prerequisite: Acctg 1 or Acctg 21 and 22 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This course will cover procedures and practices involved in a manual or automated payroll system. Students will become familiar with current Federal and California laws affecting payroll, computation of payroll taxes and preparation of required payroll tax returns/forms.

20 Managerial Accounting ‡ (3) CSU

(Offered Spring only.)

Prerequisite: Acctg 2 with a grade of C or better.

Lecture, 3 hours.

The application of accounting analysis to business decision, planning and control. Emphasis on the how to use it rather than how to do the accounting provides understanding of the use of accounting records and reports in various fields of business decision making.

21 Bookkeeping and Accounting I (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

Fundamentals of double entry bookkeeping; preparation of the trial balance; work sheets and simple financial statements; use of controlling accounts; the control of cash and bank reconciliation statements. Credit is allowed in only one of Acctg 1 or the Acctg 21/22 combination.

ACCT 21 AND 22 COMBINED: MAXIMUM UC CREDIT, 5 UNITS.

22 Bookkeeping and Accounting II (3) UC:CSU

Prerequisite: Acctg 21 with a grade of C or better.

Lecture, 3 hours.

The voucher system; payroll accounting; accounting for notes, drafts, bad debts, inventories, cost of goods sold, fixed assets, depreciation, adjustments, and interim statements. Credit is allowed in only one of Acctg 1 or the Acctg 21/22 combination.

911-921-931-941 Cooperative Education - Accounting (1-4) CSU

Accounting is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

ADMINISTRATION OF JUSTICE (ADM JUS)**1 Introduction to Administration of Justice (3) UC:CSU**

Prerequisite: None.

Lecture, 3 hours.

This course covers the Introduction to Administration of Justice: the history and philosophy of administration of justice in Europe and America. This includes the identification of the various subsystems. Also included are the theories of crime, punishment, rehabilitation, ethics, education and training for professionals in the justice system.

AJ 1 AND 4 COMBINED: MAXIMUM UC CREDIT, ONE COURSE.

2 Concepts of Criminal Law ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers the historical development, philosophy and constitutional provisions of criminal law. Additionally, classification of crime and their application to the justice system, legal research, study of case law, methodology, definitions and concepts of law as a social force will be covered.

3 Legal Aspects of Evidence ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers the origin, development, philosophy and constitutional basis of evidence; Constitutional and procedural considerations affecting arrest, search and seizure, kinds and degrees of evidence, and rules governing admissibility; Judicial decisions interpreting individual rights and case studies.

4 Principles and Procedures of the Justice System ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

An in-depth study of the role and responsibilities of each segment within the administration of justice system: law enforcement, judicial, and corrections. A past, present and future exposure to each sub-system's procedures, from initial entry to final disposition, and the relationship each segment maintains with its system members.

AJ 1 AND 4 COMBINED: MAXIMUM UC CREDIT, ONE COURSE. NO UC CREDIT FOR AJ 4 IF TAKEN AFTER SUMMER 1995.

5 Criminal Investigation ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers the fundamentals of investigation and the techniques of crime scene recording and search. The collection and preservation of physical evidence; method of operation processes, sources of information; interview and interrogation; follow-up, and case preparation.

6 Patrol Procedures ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course will cover the law, policies, techniques, and procedures used by law enforcement agencies across the country, as well as internationally. Topics included are powers of police, types of patrol, types of service calls, equipment and technology, search and seizure, interview and interrogation, and alarm.

8 Juvenile Procedures ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers the organization, functions and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures.

14 Report Writing for Peace Officers (3) CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course covers the procedures and practices commonly used to gather data and prepare a variety of police reports. Emphasis will be placed upon the need to use correct spelling, sentence structure, punctuation and vocabulary in criminal justice reports to meet statistical, legal and prosecution requirements of the criminal justice system.

27 Police Administration I ‡ (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

A survey of police administration, organization, and functions; records, personnel, public relations, executive control, and communications.

39 Probation and Parole (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

This course provides students with an examination of community treatment in the correctional process; contemporary probation and parole practices; and an exploration of the various community corrections agencies and employment opportunities.

42 Advanced Criminal Law ‡ (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

This course provides an intensive study and interpretation of sections of the California Penal Code in constant use by police officers.

49 Narcotics and Vice Control (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

This course examines the history, identification, and effects of vice and narcotic problems. It explores these problems as they exist within society, and the penal statutes and other laws that attempt to control them.

54 Interrogation ‡ (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

A study of prevailing techniques of interrogation, including the following: legal aspects of interrogation; questioning of suspects; preparation of statements, admissions, declarations and confessions; the use of the polygraph as a tool of investigation.

67 Community Policing I ‡ (3) UC:CSU*Prerequisite: None.***Lecture, 3 hours.**

This course covers an in-depth exploration of the roles of the administration of justice practitioners and their agencies. The student will become aware of the interrelationships and role expectations among those agencies and the public. Principal emphasis will be placed upon the professional image of the system and the development of positive relationships between its members and the public.

75 Introduction to Corrections ‡ (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

This is a basic course dealing with the nature of correctional work; aims and objectives of correctional administration; probation and parole; skills, knowledge and attitudes required for employment in this field; types of institutions and services; career opportunities.

178 Terrorism: The First Responder (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

This course provides the student with an overview and understanding of terrorism from a historical perspective and provides a time-line of terrorism activities from past to present. The information provided prepares a student as a first responder to acts of terrorism, and allows the student to understand all aspects of response tactics by emergency service agencies including law enforcement, fire, medical technicians, and private security. Topics include tactical coordination, scene awareness, crime scene operations, and an overview of real-world incident management techniques.

306 Correctional Report Writing (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

This is an introductory course emphasizing the practical aspects of gathering, organizing, and preparing written reports for correctional activities at the local, state and federal levels. It covers the techniques of communicating facts, information, and ideas in a simple, clear, and logical manner. Various reports, letters, memoranda, directives, note taking and court testimony are addressed.

308 Control and Supervision in Corrections (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

This course offers an overview of the control and supervision of inmates in local, state and federal correctional institutions. The issues of control from institutional daily living through crisis situations will be introduced and discussed. The course will emphasize the role played by the offender and the correctional worker. Topics will include inmate subculture, overcrowding, inmate hostility and violence. Appropriate and inappropriate officer techniques and tactics will be discussed.

309 Correctional Interviewing and Counseling (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

This course is an overview of the techniques and types of counseling and interviewing practiced in corrections work. The student will learn techniques and theories in confidence building used by correctional workers in client interviews and counseling. Correctional assessment and classification and their relevance to correctional interviewing and counseling will also be covered. This course is designed for students planning to enter the field of corrections as well as those already employed.

425 Legal Aspects of Corrections (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

This course provides an analysis and historical perspective of local, state and federal laws and their impact upon correctional processes and procedures. The rights and responsibilities of incarcerated individuals is addressed. The rights and responsibilities of corrections staff and management and the potential for liabilities are emphasized. The course is designed for students who intend to become corrections professionals and for those already employed in the field.

427 Understanding Contemporary Terrorism (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

This course studies the methods used in terrorism against persons or property in violation of criminal laws of the United States. This course covers the techniques used by terrorists such as intimidation, coercion, or ransom from domestic/international terrorism.

433 Weapons of Mass Destruction (1)*Prerequisite: None.***Lecture, 1 hour.**

This course provides an overview of terrorist threats in the United States and regulatory guidelines provided by the State of California. Threat indicators, protective measures, crime scene management, and response actions are examined in detail.

436 A History of Terrorism (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Students will examine and describe the social context of terrorism as it relates to the actions of various terrorist groups, and how terrorism appears to be a war fought on a different level by a different set of rules. Students conclude the course with discussions on fighting terrorism in our country, including the potential problem of loss of civil liberties.

437 Introduction to Homeland Security (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Students will examine threats to homeland security, including natural and technological disasters as well as intentional threats of domestic and international terrorism including weapons of mass destruction. Comprehensive, up to date overview of homeland security, from an all-hazards perspective

438 Theories and Psychology of Terrorism (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Students will examine the process of terrorism and understand those who engage in terrorism. They will explore three distinct phases of how terrorists are made: the making of a terrorist, becoming involved, remaining involved and leaving terrorism behind.

439 Terrorism and Counterterrorism (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Students examine new growing threats including narco-terrorism, terrorist recruitment on the internet, and genomic terrorism. The students will map the analysis of terrorism in the past, present and future responses (counter-terrorism) to national and international terrorism. Finally, students consider historical defenses as well as new concepts and innovations for the prevention and mitigation of terrorist attacks.

441 First Responders for Homeland Security (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Students will be exposed to various investigative techniques as they apply to terrorism. Investigative techniques which includes developing and interviewing informants, collection of physical evidence, undercover operations, technical investigative techniques and locating clandestine and fugitive terrorists will be covered.

185 Directed Study -Administration of Justice (1) CSU RPT2**285 Directed Study -****Administration of Justice (2) CSU****385 Directed Study -****Administration of Justice (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows student to pursue Directed Study in Administration of Justice on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative Education - Administration of Justice (1-4) CSU

Administration of Justice is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

ADVERTISING

(See Art, Journalism and/or Marketing)

AFRICAN AMERICAN STUDIES (AFRO AM)**2 The African American in Contemporary Urban Society ‡ (3) UC:CSU ☉**

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A survey of the urbanization of the African American with emphasis on contemporary issues, public policy solutions, civil rights, and equality of opportunity. Issues include education, housing, economics (welfare, poverty, and employment), politics, justice and law enforcement, urban and community development, and family.

4 The African-American in the History of the United States I ‡ (3) UC:CSU ☉

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course surveys African-American history from pre-colonial Africa through the Civil War. It provides a background in the political and social development of the United States for the students majoring in the social sciences and for those who wish to gain a better understanding of these developments by exploring them through African American experiences. Included is a survey of the U. S. Constitution and the Declaration of Independence.

5 The African-American in the History of the United States II ‡ (3) UC:CSU ☉

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course surveys African-American history from the end of the Civil War to the present with special emphasis on social and political developments in American civilization. It provides a historical background for students majoring in the social sciences and for those who wish to gain a better understanding of historical developments by exploring them through African-American experiences.

20 African-American Literature I ‡ (3) UC:CSU ☉

Prerequisite: None.

Lecture, 3 hours.

This course provides an analysis of the literary, social, and historical aspects of essays, novels, drama, short stories and poetry written by African-Americans. It examines and reflects upon American society through the literature that African Americans produce, especially as it pertains to their representation of themselves both intellectually and artistically.

Students may not earn credit for both Afro Am 20 and English 234.

185 Directed Study – African-American Studies (1) CSU RPT2**285 Directed Study – African-****American Studies (2) CSU****385 Directed Study – African-American Studies (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows student to pursue Directed Study in African American Studies on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

ANATOMY

1 Introduction to Human Anatomy (4) UC:CSU ☼

Note: Not open for credit to students who have had Physiology 8 & 9.

Prerequisite: Biology 3 with a grade of C or better.

Lecture, 3 hours; laboratory, 3 hours.

A detailed study of structure and systems of the human body. Laboratory work includes dissection of fresh and preserved mammalian organs, use of anatomical models and skeletal materials, and histology.

MAXIMUM UC CREDIT FOR ANY COMBINATION OF ANATOMY I, PHYSIOLOGY 1, 8 OR 9 IS 8 UNITS.

ANTHROPOLOGY (ANTHRO)

101 Human Biological Evolution (3) UC:CSU ☼

Prerequisite: None.

Lecture, 3 hours.

Introduction to the anthropological study of human evolution. Topics include the mechanisms of evolutionary change, genetics, human variation, and the reconstruction of human evolutionary history through an examination of the fossil record and through the use of comparative studies of our closest biological relatives, the living monkeys and apes.

102 Human Ways of Life: Cultural Anthropology (3) UC:CSU ☼

(May be taken before Anthropology 101)

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

An examination of the diverse cultural life-ways that contribute to the greater global picture. Analogies are drawn from small-scale to large-scale societies. Topics include: culture, language and society, ethnicity, multiculturalism, kinship and marriage, religion and political organization and culture change.

103 Archaeology: Reconstructing the Human Past ‡ (3) UC:CSU ☼

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

Objectives and methods of modern archaeology; important archaeological discoveries throughout the world; contributions of archaeology toward understanding and preserving human culture.

104 Human Language and Communication ‡ (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

An introduction to linguistic anthropology, the study of language, culture, and society from an anthropological perspective. Language as a form of social interaction in which participants do things with and through everyday talk. Topics include the biological basis of communication and speech, the relationship between language and culture, the structure of language, language origins, language through time, language variation, language in social context, the ethnography of communication, non-verbal communication and writing, oral folklore and spoken art, and linguistic anthropology in the contemporary world. Special topics include pidgins and creoles, language death and revival, and the relationship between language, identity, and power

109 Gender, Sex and Culture ‡ (3) UC:CSU ☼

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course provides a world-wide comparison of sexuality and gender as viewed from various perspectives, including the biological/evolutionary, the cultural, the psychological, the historic, and the prehistoric, especially as they relate to the experiences of males and females in contemporary Western society.

111 Laboratory in Human Biological Evolution (2) UC:CSU

Prerequisite: None.

Corequisite: Anthro 101.

Lecture, 1 hour; laboratory, 2 hours.

A hands-on laboratory experience in selected topics related to human evolution including: molecular, Mendelian, and population genetics; modern human variation; geological time and fossilization; modern primates studies; human fossil record; and forensic analysis.

121 Anthropology of Religion, Magic and Witchcraft (3) UC:CSU ☼

Prerequisite: None.

Lecture, 3 hours.

A consideration of the origins, functions and varieties of religious beliefs and practices cross-culturally. Topics include mythology, symbolism, shamanism, altered states of consciousness, magic, divination, witchcraft and the question of cults.

132 Native People of North America ‡(3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

Presents a survey of the Native Peoples living north of Mexico. Nations of the various culture areas are discussed as they existed at the time of European contact, during the historic period, and as they live in contemporary society.

141 Culture, Illness and Healing ‡(3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

Looks at the cultural, psychological, and biological aspects of the definition, causes, symptoms, and treatment of illness. Shamanism, faith healing and new age ideas are discussed. Emphasis is placed on the ritual aspects of all healing systems, including that of our own society, and on understanding illness and healing as having both cultural and biological dimensions.

185 Directed Study - Anthropology (1) CSU RPT2**285 Directed Study - Anthropology (2) CSU****385 Directed Study - Anthropology (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows student to pursue Directed Study in Anthropology on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Anthropology (1-4) CSU

Anthropology is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

ARCHITECTURE (ARC)**161 Introduction to Computer Aided Architectural Drawing ‡ (2) CSU**

(Formerly Architecture 36)

Prerequisite: None.

Lecture, 1 hour; laboratory, 2 hours.

Using AutoCAD software to draw houses and industrial structures.

172 Architectural Drawing I (3) CSU

(Formerly Architecture 5)

Prerequisite: None.

Lecture, 1 hour; laboratory, 5 hours.

An introduction to architecture and AutoCAD. Lectures give students a background on residential design, its conventions and symbols. During lab, AutoCAD will be used to design a small, single-story residence. A short review of basic math and orthographic projection, as well as discussion on the architectural scale and building codes are included.

173 Architectural Drawing II (3) CSU

(Formerly Architecture 6)

Prerequisite: ARC 172 with a grade of C or better.

Lecture, 1 hour; laboratory, 5 hours.

Students will develop drafting skills and fundamental understanding of buildings by preparing drawings for a wood-framed structure. Includes study of design principles, topics of architecture and architects.

221 Architectural Rendering ‡ (2) CSU

(Formerly Architecture 12)

Prerequisite: ARC 172 with a grade of C or better.

Lecture, 1 hour; laboratory, 3 hours.

In this course, students will develop their 3-dimensional modeling skills and fundamental understanding of visual theory. They will accomplish this by preparing renderings for a building designed by a notable architect. This course includes study of current and historical design principles, topics of architecture and architects.

271 Architectural Drawing III (3) CSU

(Formerly Architecture 7)

Prerequisite: ARC 172 with a grade of C or better.

Lecture, 1 hour; laboratory, 5 hours.

A study of construction methods, materials and building ordinances. Requires students to prepare detailed drawings for commercial buildings in concrete and steel, or to prepare similar drawings for related construction projects.

911-921-931-941 Cooperative Education - Architecture (1-4) CSU

Architecture is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

ARMENIAN (ARMEN)**1 Elementary Armenian I (5) UC:CSU**

Prerequisite: None.

Lecture, 5 hours.

Stresses the fundamentals of pronunciation and grammar, practical vocabulary, useful phrases, and the ability to understand, read, write, and speak simple Western Armenian. It includes basic facts of the Armenian culture and customs. Emphasis is on the spoken language.

2 Elementary Armenian II (5) UC:CSU

Prerequisite: Armen 1 with a grade of C or better or equivalent skill level.

Lecture, 5 hours.

Completes the elementary Western Armenian grammar with an emphasis on oral expression. Includes the reading of simplified texts and further study of Armenian civilization.

ART

UC accepts a maximum of 12 semester units from Art 400, 501, 502, 503, and a maximum of 16 semester units from Art 201 202, 203, 204, 205, 206, 207, 300, 301, 302 303, 304, 305, 306, 307, 308, 309.

101 Survey of Art History I (3) UC:CSU ☼

Prerequisite: None.

Lecture, 3 hours.

Selected topics in the history of Western European art from the chronological period ranging from the Stone Age, Egyptian civilization, Mesopotamian civilization, the Greek (Hellenic) civilization, the Roman civilization, the Byzantine period, and the Middle Ages. The course will examine the social, economic, political and religious context of the production and use of the works of art considered. Students will learn about different art historical methodological approaches to the analysis of the material considered. Students will master art historical and artistic vocabulary, will learn to perform visual analysis of compositions of painting, sculpture and architecture.

102 Survey of Art History II (3) UC:CSU ☼

Prerequisite: None.

Lecture, 3 hours.

Selected topics in the history of Western European art from the Early Renaissance to the Modern Era. The course will examine the social, economic, political and religious context of the production and use of the works of art considered. Students will learn about different art historical methodological approaches to the analysis of the material considered. Students will master art historical and artistic vocabulary, will learn to perform visual analysis of compositions of painting, sculpture and architecture.

103 Art Appreciation I ‡ (3) UC:CSU ☉*Prerequisite: None.***Lecture, 3 hours.**

Appreciation and criticism of art forms and media. A cross-cultural comparative exploration of the origins and meaning of art of a wide variety of historical periods and cultures. Topics include definitions of art, use and function of art, symbolic meaning of art, art terminology, style, design, color theory, methods of production, art criticism, architectural forms.

105 History of Asian Art ‡ (3) UC:CSU ☉*Prerequisite: None.***Lecture, 3 hours.**

An introductory survey of the arts of India, China and Japan. Discussion of technical procedures of art production, religious and philosophical influences on art and architecture, as well as the interchange of cultural influence and artistic expression. The course will examine the social, economic, political and religious context of the production and use of the works of art considered. Students will learn about different art historical methodological approaches to the analysis of the material considered.

Students will master art historical and artistic vocabulary, will learn to perform visual analysis of compositions of painting, sculpture and architecture.

109 The Arts of Africa, Oceania, and Ancient America ‡ (3) UC:CSU ☉*Prerequisite: None.***Lecture, 3 hours.**

Selected topics in the history of Non-Western art from the indigenous cultures of Africa, the islands of the South Pacific (Oceania), and pre-European contact North America and Mesoamerica. The course will examine the social, economic, political and religious context of the production and use of the works of art considered. Students will learn about different art historical methodological approaches to the analysis of the material considered.

Students will master art historical and artistic vocabulary, will learn to perform visual analysis of compositions of painting, sculpture, architecture, arts of the body and other media.

111 History of Contemporary Art (3) UC:CSU*Prerequisite: None.***Lecture, 3 hours.**

An examination of Western art and its relationship to social, political, and economic aspects of modern society from World War II to the present. The artistic response to new intellectual trends and disciplines, the rise of the Civil Rights and Feminist movements, innovations in technology, various stylistic movements, as well as methodological approaches to analysis of the subject will be considered. Students will master art historical and artistic vocabulary, will learn to perform visual analysis of compositions of painting, sculpture and other forms of visual art.

112 Current Art Events ‡ (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

An enrichment of the students' academic experiences and expansion of their cultural awareness by providing opportunities to attend a wide variety of art exhibits and art events presented in the greater Los Angeles area, and to discuss these activities with guest artists and faculty.

115 History of Modern Art ‡ (3) UC:CSU ☉*Prerequisite: None.***Lecture, 3 hours.**

An examination of Western art and its relationship to social, political, and economic aspects of modern society from the mid-nineteenth through the mid-twentieth century. The influence of the Industrial Revolution, cross-cultural influences of Western and non-Western cultures, artistic response to new intellectual trends and disciplines, impact of the two World Wars, the rise of the Civil Rights and Feminist movements, innovations in technology, various stylistic movements, as well as methodological approaches to analysis of the subject will be considered. Students will master art historical and artistic vocabulary, will learn to perform visual analysis of compositions of painting, sculpture and other forms of visual art.

116 History of Women and Art ‡ (3) UC:CSU ☉*Prerequisite: None.***Lecture, 3 hours.**

The history of women's contributions to the development of visual arts, with emphasis on the Western world from the Renaissance to the present with emphasis on socio-political factors that impacted the historical role of women in the patronage and production of art. The social, economic, political and religious context of the production and use of the works of art considered. A variety of art historical methodological approaches to the analysis of the material considered. Students will master art historical and artistic vocabulary, will learn to perform visual analysis of compositions of painting, sculpture and other forms of visual art.

125 History of Photography I (3) UC:CSU*Prerequisite: None.***Lecture, 3 hours.**

This course will consider selected topics in the history of photography from the nineteenth century to the present. Technical aspects, issues of aesthetics in photography, and the sociological context of the production and use of the works are considered. Emphasis is placed on developing a critical approach with regard to the artistic applications of photography and the medium's relationship to developments in other media, as well as the role that photography has played in the production of culture. Different art historical methodological approaches to the analysis of the material are considered. Students will learn to perform analysis of content and compositions of various forms of photography and master appropriate vocabulary.

201 Drawing I (3) UC:CSU*Prerequisite: None.***Lecture, 2 hours; laboratory, 2 hours.**

A fundamental course stressing drawing as a visual language system. "Window space," light logic and perspective will be emphasized while exploring various methods and media.

202 Drawing II ‡ (3) UC:CSU*Prerequisite: Art 201 and 501 with grades of C or better.***Lecture, 2 hours; laboratory, 2 hours.**

A continuation of Art 201 into more complex problems. A broader range of media will be utilized and color and composition will be heavily emphasized. A higher standard of craft will be applied to the work.

203 Drawing III ‡ (3) UC:CSU

Prerequisite: Art 202 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

A continuation of Art 202 into more complex problems and with a higher degree of technical refinement. A broader range of media will be utilized and color, composition and conception will be heavily emphasized.

204 Life Drawing I (3) UC:CSU

Prerequisite: None. *Recommended:* Art 201.

Lecture, 2 hours; laboratory, 2 hours.

Drawing study of the human figure. Analysis of anatomy and essential structure.

205 Life Drawing II (3) UC:CSU

Prerequisite: Art 201 and 204 with grades of C or better.

Lecture, 2 hours; laboratory, 2 hours.

Drawing of the human figure. Emphasis on problems of drawing composition.

206 Life Drawing III (3) UC:CSU

Prerequisite: Art 205 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

Continuation of Art 205. Drawing of the human figure. Emphasis on pictorial organization and personal expression.

207 Life Drawing IV (3) UC:CSU

Prerequisite: Art 206 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

Continuation of Art 206. Drawing of the human figure. Problems in structural drawing and composition. Emphasis on expressive use of various media.

300 Introduction to Painting (3) UC:CSU

Prerequisite: None.

Recommended: Art 201 and 501.

Lecture, 2 hours; laboratory 2 hours.

An introduction to various painting materials, media and techniques. A survey of methods both contemporary and traditional.

301 Watercolor Painting I ‡ (3) UC:CSU

None.

Recommended: Art 201 and Art 501.

Lecture, 2 hours; laboratory, 2 hours.

An overview of various transparent watercolor techniques with emphasis on the materials used in acquiring these skills, both contemporary and traditional.

302 Watercolor Painting II ‡ (3) UC:CSU

Prerequisite: Art 301 with a grade of C or better.

Recommended: Art 201 and Art 501.

Lecture, 2 hours; laboratory, 2 hours.

An intermediate continuation of various transparent watercolor techniques with strong emphasis on subject matter and achieving various textural effects.

303 Watercolor Painting III ‡ (3) UC:CSU

Prerequisite: Art 302, Art 201, and Art 501 with grades of C or better.

Lecture, 2 hours; laboratory, 2 hours.

A continuation of various advanced transparent watercolor techniques with strong emphasis on the development of concepts and friskit techniques.

304 Acrylic Painting I (3) UC:CSU

Prerequisite: None.

Recommended: Art 201 and 501.

Lecture, 2 hours; laboratory, 2 hours.

An overview of acrylic painting techniques with emphasis on materials, used in acquiring these skills.

305 Acrylic Painting II (3) UC:CSU

Prerequisite: Art 201, 501, and 304 with grades of C or better.

Lecture, 2 hours; laboratory, 2 hours.

A continuation of Acrylic Painting I with emphasis on intermediate level acrylic composition.

306 Acrylic Painting III (3) UC:CSU

Prerequisite: Art 305 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

A continuation of Acrylic Painting II with emphasis on advanced level concepts, styles and techniques.

307 Oil Painting I (3) UC:CSU

Recommended: Art 201 and 501.

Lecture, 2 hours; laboratory, 2 hours.

An overview of basic oil painting techniques and materials. Composition, color, and form are studied through a range of projects in historical context to bring the individual in touch with contemporary ideas in the field of oil painting.

308 Oil Painting II (3) UC:CSU

Prerequisite: Art 307 with a grade of C or better.

Recommended: Art 201 and Art 501.

Lecture, 2 hours; laboratory, 2 hours.

A continuation of various historical techniques in oil painting. An extension of Beginning Oil Painting focusing on a broader range of contemporary issues with an emphasis on the figure. Historical oil painting techniques are explored.

309 Oil Painting III (3) UC:CSU

Prerequisite: Art 308 with a grade of C or better.

Recommended: Art 201 and Art 501.

Lecture, 2 hours; laboratory, 2 hours.

A continuation of Intermediate Oil Painting with emphasis on portraiture through various styles and techniques. A further exploration of the medium in the direction of more personal means of expression.

400 Introduction to Printmaking ‡ (3) UC:CSU

Prerequisite: None.

Recommended: Concurrent enrollment in Art 201 and 501.

Lecture, 1 hour; laboratory, 5 hours.

An introductory course in basic fine art printmaking processes.

407 Relief Printmaking I ‡ (3) UC:CSU

Prerequisite: None.

Recommended: Art 201, 400, and 501.

Lecture, 1 hour; laboratory, 5 hours.

An introductory course in basic relief printmaking processes. Students explore a wide range of relief printmaking processes and techniques from traditional woodcut to polymer plate while refining their printing and conceptual skills.

408 Relief Printmaking II ‡ (3) UC:CSU

Prerequisite: Art 201, 407 and 501 with grades of C or better.

Lecture, 1 hour; laboratory, 5 hours.

A more advanced course in relief printmaking processes, including digital and traditional mixed media. Students will explore color processes in depth, as well as cross-process work, while deepening their conceptual skills.

**411 Printmaking Studio ‡
(1) UC:CSU RPT1**

Prerequisite: Art 400 with a grade of C or better.

Laboratory, 3 hours.

A course providing beginning through advanced printmaking students the opportunity to practice processes in greater depth with the full resources of the printmaking laboratory.

501 Beginning Two-Dimensional Design (3) UC:CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

A fundamental course presenting the elements and principles common to the visual arts, with special emphasis on application to the two-dimensional arts. Primary focus will be on compositional and color theory and practice.

502 Beginning Three-Dimensional Design ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

A fundamental course involving relationships of elements common to three-dimensional visual arts. Exercises will be given in geometric and biomorphic shapes. Various mediums and fabrication techniques will be explored, including the use of mat-board, wood, plaster and paint.

600 Lettering I (3) CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

A study of letterforms with emphasis on their use in graphic communication. Focus is placed on style, spacing, proportion and their applied use in Graphic Design. Technical and conceptual skills in the use of typography are stressed.

604 Graphic Design I (3) CSU

Prerequisite: Art 501 and 600 with grades of C or better.

Lecture, 2 hours; laboratory, 2 hours.

Introduction to Graphic Design: Beginning studies in graphic communication combining typography and art, applying principles of beginning 2-dimensional design. Communication problems are solved graphically using the computer as a tool for presentation and production.

605 Graphic Design II (3) CSU

Prerequisite: Art 604 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

A continuing study of graphic communication with an introduction to the interaction between designer and client. Continued emphasis on the computer as a tool with focus on integration of InDesign, Illustrator and PhotoShop.

606 Graphic Design III (3) CSU

Prerequisite: Art 605 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

Advanced exploration of graphic communication. Assignments will focus on complex problems in Graphic Design. Students portfolio make-up begins with evaluation of past and current work. Advanced software techniques are presented.

618 Advertising Photo/Graphics I ‡ (4)

Prerequisite: None.

Lecture, 2 hours; laboratory, 4 hours.

An introduction to photographic imaging for graphic design; an exploration of the technical, aesthetic and organizational aspects of photography for graphic communication.

619 Advertising Photo/Graphics II ‡ (4)

Prerequisite: None.

Lecture, 2 hours; laboratory, 4 hours.

Advanced photographic imaging for graphic design; a detailed exploration of the technical, aesthetic and organizational aspects of photography for graphic communication focusing on the computer as an essential tool.

620 Illustration I ‡ (3) CSU

Prerequisite: Art 201 and 501 with grades of C or better.

Lecture, 2 hours; laboratory, 2 hours.

An introduction to the design, production and concept formulation of contemporary illustration. Through a series of projects, various mediums are explored, as well as the symbolic interpretation and translation of written material into visual form.

621 Illustration II ‡ (3)

Prerequisite: Art 620 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

A continuing study of contemporary illustration through a series of projects with a focus on nontraditional 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.

626 Art Production Methods I (3) CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

Preparing art for reproduction in print media. A study of commercial printing processes, the paper industry, photo/art editing, color separation and layout preparation with emphasis on the needs of the graphic designer. The computer serves as a primary tool.

700 Introduction to Sculpture (3) UC:CSU

Prerequisite: None.

Recommended: Art 502.

Lecture, 1 hour; laboratory, 5 hours.

Students will create three-dimensional structures while refining their artistic expression, with sensitivity to materials and concepts. The course focuses on a variety of traditional and nontraditional sculptural techniques and philosophies designed to introduce a range of sculptural expressions and media.

701 Sculpture I ‡ (3) UC:CSU

Prerequisite: Art 502 and Art 700 with grades of C or better.

Lecture, 1 hour; laboratory, 5 hours.

Students will explore more extensive sculptural techniques, including modeling, carving, moldmaking, fabrications, environmental and conceptual art. Students will engage in abstract problem solving in order to advance creative growth. The course focuses on a variety of traditional and nontraditional sculptural techniques and philosophies, at an intermediate level. Usage of hand and stationary power tools and equipment will be required.

702 Sculpture II ‡ (3) UC:CSU

Prerequisite: Art 701 with a grade of C or better.

Lecture, 1 hour; laboratory, 5 hours.

The continued study of contemporary sculpture with emphasis on site work, installation and individual artistic growth. This course will focus on the changing definition of sculpture, from the finished single object placed on a pedestal to a wider range of formats. Students will engage in abstract problem solving in order to advance creative growth. The course focuses on a variety of traditional and nontraditional sculptural techniques and philosophies, at an advanced level. Usage of hand and stationary power tools and equipment will be required.

708 Introduction to Ceramics (3) UC:CSU

Prerequisite: None.

Recommended: Art 501 or Art 502 with a grade of C or better.

Lecture, 1 hour; laboratory, 5 hours.

An introductory course in ceramic art, focusing on fabrication techniques (hand-building and wheel throwing), surface enrichment of form, and technical understanding of the behavior of clay and glazes.

709 Ceramics I (3) UC:CSU

Prerequisite: Art 708 and 501 with grades of C or better.

Recommended: Art 502

Lecture, 1 hour; laboratory, 5 hours.

A continuing course in ceramic processes with emphasis placed on ceramic design and glaze chemistry. Practice in forming processes and surface treatments, with emphasis on design. Study of physical and chemical characteristics of clay.

710 Ceramics II (3) UC:CSU

Prerequisite: Art 709 and 502 with grades of C or better.

Lecture, 1 hour; laboratory, 5 hours.

A course providing continuing practice in ceramic forming processes and surface treatments with emphasis on three-dimensional design.

711 Ceramics III (3) UC:CSU

Prerequisite: Art 710 with a grade of C or better.

Lecture, 1 hour; laboratory, 5 hours.

A course offering advanced forming techniques, history of ceramics, advanced glazing techniques, and firing kilns.

185 Directed Study - Art Honors (1) CSU RPT2**285 Directed Study - Art Honors (2) CSU****385 Directed Study - Art Honors (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Art on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Art (1-4) CSU

Art is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

ASTRONOMY (ASTRON)**1 Elementary Astronomy (3) UC:CSU ☼**

Prerequisite: None.

Lecture, 3 hours.

A non-mathematical survey of astronomy, including some history of the subject. Topics include the sun, planets, their satellites and other members of the solar system; celestial motions and coordinates as shown by the planetarium projector; elementary optics and its application of the telescope and its accessories; star systems and the constitution of stars; the classification of stars; novae, nebulae, galaxies; black holes; quasars; and the evolution of our universe. Out of class activities may include telescopic observations at star parties (outdoor observation sessions), planetarium shows or lectures.

5 Fundamentals of Astronomy Laboratory (1) UC:CSU

Prerequisite: Astron 1 with a grade of C or better or concurrent enrollment.

Laboratory, 3 hours.

A presentation of the methods astronomers use in order to determine the nature of the universe. This course includes working with astronomical instruments and laboratory equipment. The planetarium is used to study constellations, and telescopes are used to observe celestial objects during class sessions. Out of class activities may include telescopic observations at star parties (outdoor observation sessions), planetarium shows or lectures.

911-921-931-941 Cooperative Education - Astronomy (1-4) CSU

Astronomy is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

BANKING

(See Finance)

BIOLOGY**3 Introduction to Biology (4) UC:CSU ☼**

(Not open for credit to students who have had Biology 6 or Biology 7.)

Prerequisite: None.

Lecture, 3 hours; laboratory, 3 hours.

The major principles of biology including the structure and function of cells, the reproductive process, the mechanisms of heredity, evolution, ecology and the organization of plants, animals and the human organism. This course is not designed to meet requirements for a major in biology at most universities. Field Trips are included in lab activities, typically scheduled during class hours.

MAXIMUM UC CREDIT FOR COMBINATION OF BIOL 3 AND 25 IS ONE COURSE. NO UC CREDIT FOR BIO 3 OR 25 IF TAKEN AFTER BIO 6 OR 7.

6 General Biology I (5) UC:CSU ☼

(Biology 7 may be taken before Biology 6.)

Prerequisite: Chem 101, or 60, or 68 and Math 125 with grades of C or better.

Note: UCLA and CSUN recommend the completion of both Biology 6 and Biology 7.

Lecture, 3 hours; laboratory, 6 hours.

This course is intended for biology majors, pre-medical, pre-dentistry, pre-pharmacy and pre-veterinary students. It deals with selected topics illustrating the major concepts in biology, including molecular structure, cell structure and physiology, bioenergetics, Mendelian genetics, molecular genetics, development, and animal form and function. Laboratory experimentation in chemical analysis, microscopy, chromatography, cell structure and physiology, genetics, development, and DNA technology.

7 General Biology II (5) UC:CSU ☼

(Biology 7 may be taken before Biology 6.)

Prerequisite: Math 125 with a grade of C or better.

Note: UCLA and CSUN recommend the completion of both Biology 6 and Biology 7.

Lecture, 3 hours; laboratory, 6 hours.

Intended for biology majors, pre-medical, pre-dentistry, pre-pharmacy and pre-veterinary students. Deals with unifying biological concepts including evolution, biological diversity, adaptation and the biotic relations to the environment. Laboratory experimentation includes the study of plants, animals and microorganisms along with field trips to reinforce major topics.

22 Marine Biology (4) UC:CSU

Prerequisite: None.

Lecture, 3 hours; laboratory, 3 hours.

The major principles of biology will be studied in relation to marine plants and animals. Intertidal, subtidal and offshore marine habitats will be investigated from an ecological perspective. Human impact on the marine environment will be studied. Field trips will be offered which may include: tide pools, Cabrillo Beach Aquarium or the Aquarium of the Pacific, Morro Bay or one of the Channel Islands. (Credit may not be awarded for both Biology 22 and Oceanography 2).

33 Medical Terminology (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Develops a comprehensive medical vocabulary applicable to all specialties of medicine, through the learning of Greek and Latin prefixes, suffixes, root words and combining forms. Training in the spelling, pronunciation and definitions of medical terms is provided. A brief overview of human anatomy is included.

40 The Science of Biotechnology (3) UC:CSU

Prerequisite: Biology 6 and Chem 101 with grades of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This is a comprehensive introduction to the science of biotechnology. The course presents theory and offers hands-on laboratory experience. Representative techniques presented in this course include DNA purification, hybridization, sequencing and fingerprinting; construction of a genomic library; bacterial transformation; electrophoresis; polymerase chain reaction; protein purification; western blot and bioinformatics.

185 Directed Study - Biology (1) CSU RPT2**285 Directed Study - Biology (2) CSU
385 Directed Study - Biology (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows student to pursue Directed Study in Biology on a contact basis under direction and supervision of an instructor. Various formats are utilized to introduce students to methods used by scientists to study topics in biological sciences. Strategies emphasize development of problem solving and critical thinking skills.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Biology (1-4) CSU

Biology is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

BIOLOGY, MARINE

(See Biology 22)

BROADCASTING (BRDCSTG)**1 Fundamentals of Radio and Television Broadcasting (3) CSU**

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

Basic phases of radio, television and other mass media broadcasting, focusing on history, theory, and legal aspects. Different forms of broadcasting will be highlighted from network to cable to first run syndication, concluding with an overview of developing technologies such as VOD and HiDef. Classes will include debate on the innovators and some of the issues that have arisen recently with the demise of financial interest in syndication rules, vertical integration, and the rise of broadband and its resultant changes in what constitutes a "broadcast."

3 Voice and Diction for Radio and Television (3) CSU

Prerequisite: None.

Required of all radio and television majors.

Open to others.

Lecture, 3 hours.

Training in the presentation of broadcast material. Fundamentals of good speech are combined with techniques for handling problems unique to broadcasting, such as microphone techniques, reading for the camera, interviewing techniques, preparing continuity and transitions for commercial copy, promotional and public service announcements, news copy, weather and sports announcing. An opportunity may be provided to create programming for the campus radio station (KVCM).

5 Radio and Television Acting (3) CSU RPT1

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

The basic fundamentals of acting are explored. Demonstration, exercises, improvisations are used to practice techniques taught. Scenes are used for the student to put into full practice their techniques. Greater emphasis is placed on character analysis and development of the actor for television.

10 Radio Programming and Production (3) CSU RPT1

Prerequisite: None.

Lecture, 2 hours; laboratory, 3 hours.

Introduction to all aspects of radio station programming and production. Included are instruction and experience in the role of disc jockey, announcer, sportscaster, commercial announcer, sportscaster, and news broadcaster by means of working on campus radio station KVCM.

11 Digital Audio Editing and Production (3) CSU RPT1

Prerequisite: None.

Lecture, 3 hours.

The course examines digital audio editing and production for radio in support of commercial broadcast, cable, internet, and related telecommunications media. The class will focus on audio editing of basic commercials to more complex produced promotional announcements and recorded messages for the campus radio station. Students may have an opportunity for finished product to air on the campus radio station KVCM.

17 Industrial and Commercial Voice-Over Techniques ‡(3)

Prerequisite: None.

Lecture, 3 hours.

Development of the ability to explore the voice as an instrument to convey truth. Applications include commercial advertising, industrial narration, language study, dialogue concepts and storytelling exercises with an emphasis on actualization of personal signature. Includes copy analysis, professional evaluation and an in-depth study of microphone techniques.

21 Radio and Television Advertising and Sales (3) CSU

Prerequisite: None.

Lecture, 3 hours.

The course examines radio & television advertising as an economic support for commercial broadcast, cable, internet, and related telecommunications media. The class will focus on audience surveys, rate structures, client, ad rep firms, and advertising agency relationships are discussed and explored. Students may have an opportunity to sell commercials on the campus radio station KVCM.

22 Radio/Television Activities (1) CSU RPT3

Prerequisite: Brdcstg 10 or 46, with a grade of C or better.

Field work, 3 hours.

Special problems in production, programming, research, and management in broadcast media. Practical assignments with Valley College broadcasting projects.

23 News, Sports, and Live Remote Broadcasting for Radio & Television (3) CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

The course examines news, sports, and live broadcasting for radio in support of commercial broadcast, cable, Internet, and related telecommunications media. The class will focus on live remote broadcasts from various weekly events on campus. Students will have an opportunity to broadcast radio shows in combination with news, sports, and entertainment events to air on the campus radio station KVCM. A hands-on participation class. Additional lab time may be required.

25 Radio/TV/Film Writing (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Analysis of the form and style of radio, television and film scripts and program formats. Preparation of scripts for radio, television and film.

26 TV-Film Aesthetics (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This is a survey course that teaches proper terminology, and categories for analyzing television and films. Through lecture, visual presentations, and discussion, the student will learn how television programs and films are made, both technically and creatively. The student will also learn how television and film influence our social values and ethics.

28 Television Announcing I (3) CSU RPT1

Prerequisite: None.

Lecture, 3 hours.

Training in television announcing for newscasts, hosting, commercials, interviewing, sportscasts, and various program performance assignments with emphasis on the development of the student's individual style and personality. Emphasis on student 'on-camera' delivery style and script research and analysis.

31 Advanced Voice-Over ‡(3) CSU RPT2

Prerequisite: Brdcstg 17 with a grade of C or better.

Lecture, 3 hours.

Development of skills in advanced voiceover disciplines including but not limited to: animation, ADR, audiobooks, anime, narration, trailers, promos (including reading to picture), phone systems, point-of-purchase displays and video games.

45 Advanced Workshop for TV Acting and Directing (4) RPT1

Prerequisite: Brdcstg 5 with a grade of C or better.

Lecture, 4 hours.

The course is provided for the purpose of enlarging the background of student actors and directors through intensive concentration in advanced theories and methods that will increase the individual performance in direction sensitivity and flexibility. There is extensive use of videotape recording equipment.

46 Fundamentals of Television Production (4) CSU RPT1

Prerequisite: None.

Lecture, 3 hours; laboratory, 3 hours.

All the basic television production essentials are covered. Training is given in the function and operation of all basic television facilities, including camera, microphones, switcher, video tape recorder- editors, and lighting equipment. The direction and production of basic types of programs are taught and practiced. Students learn various roles of a TV studio production team.

81 Field Work I - Broadcasting ‡(1) CSU RPT1

Prerequisite: Brdcstg 10, 25, 46, Cinema 101, 11, or Mediart 101 with a grade of C or better.

Field work, 2 hours.

Student has hands on experience working on a specific approved topic or in an approved internship within the entertainment industry in order to give practical experience in what they have learned in one of the listed prerequisite courses.

82 Field Work II - Broadcasting
‡(2) CSU RPT1

Prerequisite: Brdcstg 10, 25, 46, Cinema 101, 11, or Mediar 101 with a grade of C or better.

Field work, 4 hours.

Student has hands on experience working on a specific approved topic or in an approved internship within the entertainment industry in order to give practical experience in what they have learned in one of the listed prerequisite courses.

83 Field Work III - Broadcasting
‡(3) CSU RPT1

Prerequisite: Brdcstg 10, 25, 46, Cinema 101, 11, or Mediar 101 with a grade of C or better.

Field work, 6 hours.

Student has hands on experience working on a specific approved topic or in an approved internship within the entertainment industry in order to give practical experience in what they have learned in one of the listed prerequisite courses.

185 Directed Study - Broadcasting (1)
CSU RPT2**285 Directed Study - Broadcasting (2)**
CSU**385 Directed Study - Broadcasting (3)**
CSU

Prerequisite: None.

Conference, 1 hour per unit.

Allows student to pursue Directed Study in Broadcasting on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative
Education - Broadcasting (1-4) CSU

Broadcasting is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

BUSINESS (BUS)

(For Business, see also Accounting, Cooperative Education, Finance, Law, International Business, Management, Marketing, Real Estate, and Supervision.)

1 Introduction to Business (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers the meaning and purpose of business in our society, the historical development of business, the general economic setting for business today, and a brief introduction to the following business areas: forms of business organization, manufacturing, marketing, human relations, financing, accounting, budgeting, reports, government-business relations, and the social responsibilities of businessmen.

31 Business English (3) CSU

Prerequisite: None. Required for all incoming CAOT majors.

Lecture, 3 hours.

Thorough training in the mechanics of English; punctuation, sentence structure, paragraph writing, word usage. Effective development of the English communication skills.

Students may not earn credit for both Bus 31 and CAOT 31.

32 Business Communications (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Designed to achieve effective written communication in English for the transaction of business. Development of letter writing principles and techniques; enrichment of general vocabulary; practical application of English in business speech. Practical experience is given in writing business reports, the employment letter and resume, as well as the basic types of letters used in business: pleasant, routine, unpleasant, and persuasive.

Students may not earn credit for both Bus 32 and CAOT 32.

38 Business Computations (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Mathematics is applied to typical accounting, financial, and other business problems, including percentage, cash and trade discounts, merchandise turnover, depreciation, simple and compound interest, bank discounts, small loans and installment purchases, partial payments, banking practices, and pricing merchandise. Also included is the application of business graphs, insurance and investment calculations, annuities, weights and measures.

185 Directed Study - Business (1)
CSU RPT2**285 Directed Study - Business (2) CSU**
385 Directed Study - Business (3) CSU

Prerequisite: None.

Conference, 1 hour per unit.

Allows student to pursue Directed Study in Business Administration on a contract basis under the direction of a supervising instructor.

CREDIT LIMIT: A MAXIMUM OF 3 UNITS PER SUBJECT IN DIRECTED STUDY MAY BE TAKEN FOR CREDIT.

911-921-931-941 Cooperative
Education - Business (1-4) CSU

Business is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

CHEMISTRY (CHEM)**51 Fundamentals of Chemistry I**
(5) CSU

Prerequisite: None.

Recommended: Math 115.

Lecture, 4 hours; laboratory, 3 hours.

A descriptive course encompassing the basic concepts of inorganic, organic and biological chemistry. Each topic includes applications to health and environmental issues. The experimental laboratory involves the student in scientific observations, measurement, safety and proper laboratory techniques. Lecture, discussion and lab all include collaborative learning experiences. This course is appropriate for students who require a physical science course with laboratory including liberal arts, elementary education and allied health related majors. This course is not intended for students planning to enroll in Chemistry 101.

60 Introduction to General Chemistry ‡ (5) UC:CSU

Prerequisite: None. *Recommended:* Math 120.
Corequisite: Recommended: Concurrent enrollment in Math 125.

Lecture, 5 hours; laboratory, 2 hours.

This course is an introduction to elementary chemical principles and laws with applications to industrial, environmental and health issues. The laboratory will introduce safety, scientific observation, measurement, and use of chemicals. The course will emphasize chemical stoichiometry and gas law calculations. Students who have not studied introductory college level chemistry must take this course or Chemistry 68 prior to enrollment in Chemistry 101. This course is recommended for students who have never taken a college level chemistry course. No credit given for this course if student has already passed Chemistry 68.

MAXIMUM UC CREDIT FOR CHEM 60 AND 68 COMBINED IS ONE COURSE. NO UC CREDIT FOR 60 OR 68 IF TAKEN AFTER 101.

68 Preparation for General Chemistry (5) UC:CSU

Prerequisite: None. *Recommended:* Math 120.
Corequisite: Recommended: Concurrent enrollment in Math 125.

Lecture, 5 hours; laboratory, 4 hours.

Elementary chemical principles and laws with applications to industrial, environmental and health issues. The laboratory will introduce safety, scientific observation, measurement, and use of chemicals. The course will emphasize chemical stoichiometry and gas law calculations. Students who have not studied introductory college level chemistry must take this course or Chemistry 68 prior to enrollment in Chemistry 101. This course is recommended for students who have never taken a college level chemistry course. No credit given for this course if student has already passed Chemistry 60.

MAXIMUM UC CREDIT FOR CHEM 60 AND 68 COMBINED IS ONE COURSE. NO UC CREDIT FOR 60 OR 68 IF TAKEN AFTER 101.

101 General Chemistry I (5) UC:CSU

Prerequisite: Chem 60 or 68 and Math 120 and 125 with grades of C or better. Students without a passing grade for Chem 60 or Chem 68 or an equivalent college-level chemistry class on their official transcript must take the Chemistry 101 Readiness Exam.

Lecture, 5 hours; laboratory, 4 hours.

A study of chemical principles and laws with emphasis on chemical calculations. This course will cover chemical stoichiometry and concentration calculations, gas laws, thermochemistry, introductory quantum mechanics, bonding, molecular geometry, unit cell calculations, and colligative properties. Laboratory work includes gravimetric analysis, titration, and observation. This course is required of majors in agriculture, bacteriology, biology, botany, chemistry, dentistry, engineering, geology, medical technology, medicine, optometry, pharmacy and physics.

102 General Chemistry II (5) UC:CSU

Prerequisite: Chem 101 with a grade of C or better.

Lecture, 5 hours; laboratory, 4 hours.

A continuation of Chemistry 101. Lectures will cover kinetics, gas phase and ionic equilibria, thermodynamics, electrochemistry, nuclear chemistry, transition metals, industrial chemistry, and introductory organic nomenclature. Laboratory will include qualitative analysis of selected anions and cations, and experiments in kinetics, equilibria, electrochemistry and thermodynamics. Instrumentation will include spectrophotometry, and measurements of pH and emf.

211 Organic Chemistry for Science Majors I ‡ (5) UC:CSU

Prerequisite: Chem 102 with a grade of C or better.

Lecture, 5 hours; laboratory, 4 hours.

This course is an introduction to the topological, physical and chemical properties of carbon-containing compounds. Laboratory emphasis is on the preparation, isolation, purification and analysis of organic compounds.

212 Organic Chemistry for Science Majors II ‡ (5) UC:CSU

Prerequisite: Chem 211 with a grade of C or better.

Lecture, 5 hours; laboratory, 4 hours.

A continuation of Chemistry 211 with emphasis on the structural, physical and chemical properties of organic compounds and molecules of biological importance. Laboratory emphasis on the preparation, isolation and purification of carbon-containing compounds.

911-921-931-941 Cooperative Education - Chemistry (1-4) CSU

Chemistry is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

CHICANO STUDIES (CHICANO)

All classes are taught in English.

2 The Mexican-American in Contemporary Society ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course investigates the most relevant issues facing the Chicano community today. Special attention will be given to the growth and impact of political behavior and under-representation, public health concerns, educational inequities, and immigration policies affecting Mexicans, Chicanos, and other Latinos.

7 The Mexican-American in the History of the United States I (3) UC:CSU ☉

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A survey of United States history as it relates to the development of the Chicano in the United States with special emphasis on the Mexican-Americans, contribution to the development of American civilization. This course covers Pre-Columbian and Spanish colonial eras, the Spanish northward advance and settlement of the present day U.S. Southwest. Topics also include the Independence Wars of Mexico and the U.S., the role and impact of the American Revolution, the U.S. Constitution, the Bill of Rights. Also, U.S. concepts: manifest destiny, American secular humanism, westward movements, the European Scientific Enlightenment period, U.S. Wars of Conquest, U.S. Treaties, American Expansionism. This course fulfills the state graduation requirement in U.S. History and the U.S. Constitution.

8 The Mexican-American in the History of the United States II (3)

UC:CSU ☼

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course concentrates on the historical evolution of the Chicano in nineteenth and twentieth century America. Discussion centers on the participation, contributions, experiences of and by the Chicano community. Major areas include the historical socio-political, economic and educational struggles of Mexican-Americans since the mid 19th century. Topics include the Mexican American Southwest, the Post War conflict, American Expansionism, Westward Movements, U.S. Treaties of Cahuenga & Guadalupe Hidalgo, U.S. Constitution, Bill of Rights, Mexican Revolution, immigration, the Great Depression, Desegregation struggle, American Nativism, Mexican Repatriation and Deportations, WWII, Zoot-Suit Riots, Acculturation period, Bracero Program, Mexican American Labor Movement, Chicano Movement, and the Post Civil Rights Era. This course fulfills the state graduation requirement in U.S. History and state and local government. This course also fulfills (US-1) of the CSU American Institutions Requirement.

37 Chicano Literature (3) UC:CSU ☼

(Same as Spanish 46)

Prerequisite: None.

Lecture, 3 hours.

An analysis of the literary, social, and historical aspects of works written by Mexican-American authors. Course will be conducted in English but texts may be read in either English or Spanish.

42 Contemporary Mexican Literature (3) UC:CSU ☼

(Same as Spanish 12)

Prerequisite: None.

Lecture, 3 hours.

An introduction to major historical events and literary movements in Mexico, with a focus on 20th-century Mexican literature read in translation. Lectures, readings and discussions in English.

44 Mexican Civilization ‡ (3) UC:CSU

(Same as Spanish 16)

Prerequisite: None.

Lecture, 3 hours.

Considers the significant elements of pre-Columbian Mexican Civilization, the impact of the Spanish domination upon the indigenous population and its influence upon mores, art, and industry. Studies in the history, literature, art, and music of Mexico as they evolved from Colonial times to the present. The impact of the Mexican revolution upon all the Americas is considered. Examines the present-day culture of the Mexican-American as influenced by his Mexican heritage and life in the United States.

CHILD DEVELOPMENT (CH DEV)

The State of California Dept. of Social Services has standardized all Child Development course numbers throughout the state. These are designated as DS in some courses.

1 Child Growth and Development (3) UC:CSU

Dept. of Social Services DS1.

Prerequisite: English 28 or English 363 with a grade of C or better or placement into English 101.

Recommended: Psych 1 or concurrent enrollment. Required for all Child Development majors. Required for Child Development Certificate.

Lecture, 3 hours.

Developmental theories from pre-natal to adolescents will be covered in this course. Particular focus is placed on the process through which the typical human being reaches physical, mental, social and emotional maturity. G.E. credit for nursing license renewal. G.E. credit for social science requirement.

2 Early Childhood: Principles and Practices (3) CSU

Dept. of Social Services DS3.

Recommended: Ch Dev 1 and English 28.

Lecture, 3 hours.

Survey course of early childhood programs and current philosophies and practices. Students examine the underlying theoretical principles of developmentally appropriate practices applied to programs and environments. Emphasis is placed on the key role of relationships, constructive adult-child interactions and teaching strategies that support physical, social, creative and intellectual development of children and lead to desired learning outcomes. Professional development and career paths based upon CA Child Development Permit Matrix will be discussed.

3 Creative Experiences for Children I (3) CSU

Dept. of Social Services DS3.

Prerequisite: None.

Recommended: Ch Dev 1 and English 28.

Lecture, 3 hours.

Examines basic principles in the planning, development and implementation of early childhood curriculum. Develops teaching skills in dramatic play, music, art, moldable materials, blocks and carpentry.

4 Creative Experiences for Children II (3) CSU

Dept. of Social Services DS3.

Prerequisite: None.

Recommended: Ch Dev 1 and English 28.

Lecture, 3 hours.

Examines basic principles in the planning, development, and implementation of early childhood curriculum. Develops teaching skills in language arts, media/technology, health and safety, cooking/food, math, science, and social studies. Covers environmental design of classroom and its impact on learning.

10 Health, Safety and Nutrition (3) CSU

Prerequisite: None.

Recommended: Ch Dev 1.

Lecture, 3 hours.

This course will review the health protection provided by the home, school, and community. Topics include nutrition, common childhood diseases, first aid, and special health problems which relate to the pre-school child. An analysis of community referral agencies will be reviewed.

11 Home, School and Community Relations (3) CSU

Dept. of Social Services DS2.

Prerequisite: None.

Recommended: Ch Dev 1 and English 28.

Required for all Child Development majors.

Lecture, 3 hours.

Surveys major educational issues, legislation, and trends affecting the family and the community. Examines the sociological, cultural, and economic influences on various patterns of family life. Identifies community resources for health, education and public welfare.

12 Parent-Teacher-Child Interaction (3) CSU

Prerequisite: None.

Recommended: Ch Dev 1 and English 28.

Lecture, 3 hours.

This course provides the student with a general overview of parental involvement and parents as partners in early childhood education. Special emphasis is placed on the integration and configuration of parent-child relationships, as well as on parent-teacher communication. The developmental context of socialization and its influence on families will be explored.

22 Practicum in Child Development I (4) CSU

Prerequisite: Ch Dev 1 and 11, and Ch Dev 3 or 4 with grades of C or better; current TB test. Practicum site may require fingerprinting, Child Abuse Index Check and Health Exam.

Lecture, 2 hours; laboratory, 6 hours.

A supervised practicum experience in an approved early childhood education setting. Students will implement child development theories and develop effective teaching strategies, approaches and tools that positively influence children's development and learning. Students are assigned to a Child Development program under the supervision of a college instructor.

23 Practicum in Child Development II (4) CSU

Prerequisite: Ch Dev 22 with grade of C or better, current TB test. Practicum field site may require fingerprinting, Child Abuse Index Check and Health Exam.

Lecture, 2 hours; laboratory, 6 hours.

This course provides an advanced practicum experience in an early childhood education setting. Students apply assessment strategies to plan, implement, and evaluate developmentally appropriate activities. Techniques that promote partnerships between teachers and families are developed. A resume and a professional portfolio are created. Students assigned to directed practicum teaching demonstrate professional and ethical behaviors. Students are assigned to a Child Development program under the supervision of a college instructor.

29 Infant Toddler Practicum (3) CSU

Prerequisite: Ch Dev 1 with a grade of C or better.

Recommended: Ch Dev 30 or Ch Dev 31.

Lecture, 2 hours; laboratory, 3 hours.

This course is designed to provide students the opportunity to gain a greater understanding of the importance and process of learning in the first three years of life, and to be able to develop, prepare, implement, and evaluate developmentally appropriate curriculum experiences for infants and toddlers. In addition to 2 hours of lecture per week, students will observe and work directly with young children in the LAVC Infant and Toddler Lab program three hours per week.

30 Infant and Toddler Studies I ‡ (3) CSU

Prerequisite: Ch Dev 1 with a grade of C or better.

Lecture, 3 hours.

A survey of infant and toddler growth and development, educational programs currently available, and principles of infant-toddler care giving. Direct observation of infants and toddlers is a requirement of this course.

31 Infant and Toddler Studies II ‡ (3) CSU

Prerequisite: Ch Dev 1 with a grade of C or better.

Lecture, 3 hours.

A survey of infant-toddler development and its relation to environmental and curricular design. Principles of infant-toddler care giving and quality assessment. Direct observations in infant-toddler programs are requirements of this course.

34 Observing and Recording Children's Behavior ‡ (3) CSU

Prerequisite: Ch Dev 1 with a grade of C or better.

Lecture, 3 hours.

Strategies and techniques for observing, recording and interpreting behavior of young children in early childhood programs. Application of this information for adapting curriculum and environment to meet the needs of children. Includes opportunity for observation in the field.

35 Fostering Literacy Development in Young Children (3) CSU

Prerequisite: None.

Recommended: Ch Dev 1 and English 28.

Lecture, 3 hours.

Development of instructional skills, curriculum, activities and environment for promoting language and literacy in young children, beginning at birth. Emphasis on building a foundation for reading, writing, listening and speaking using a developmentally appropriate approach.

36 Literature for Early Childhood (1) CSU

Prerequisite: None.

Lecture, 1 hour.

A survey of literature suitable for children up to 8 years old with emphasis on techniques of selection and presentation. Story telling, acquaintance with literature particularly suited for young children, and the early development of desirable attitudes toward reading will be stressed.

Recommended for early childhood and primary grade teachers and parents.

Students may not earn credit for both Ch Dev 36 and English 236.

37 Literature for School-Age Children ‡ (2) CSU

Prerequisite: None.

Recommended: Ch Dev 1 and English 28.

Lecture, 2 hours.

Survey of literature suitable for children in schools settings, beginning with Pre-Kindergarten. Emphasis given to selection, evaluation and presentation of literature using developmental characteristics and needs of children. Includes development of appropriate curriculum materials for the classroom with a literature emphasis. Recommended for early childhood and primary school teachers and parents.

38 Administration and Supervision of Early Childhood Programs I (3) CSU

Dept. of Social Services DS6.

Prerequisite: Ch Dev 1 and 11, Ch Dev 3, or with a grade of C or better.

Lecture, 3 hours.

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.

39 Administration and Supervision of Early Childhood Programs II ‡ (3) CSU

Prerequisite: Ch Dev 38 with a grade of C or better.

Lecture, 3 hours.

This course provides training for administrators of Early Childhood Programs on a variety of topics pertaining to administration of early childhood programs. Topics include: state and federal regulations, computer applications for administration, grant and proposal development, advocacy, leadership skills and team management techniques, developing a comprehensive parent partnership, working with Desired Results, and legal issues. This course partially fulfills the licensing requirement for the director.

42 The Child in a Diverse Society (3) CSU

Prerequisite: None.

Recommended: Ch Dev 1 and English 28.

Lecture, 3 hours.

This course includes philosophy, principles and methods related to working with young children and families within a diverse society. Materials and experiences will be explored relating to diversity, including cultural, ethnic, ability, gender, social class and generation differences. Curriculum development, problem solving techniques and environmental designs will be studied from an inclusive perspective to infuse multi-cultural activities and an anti-bias perspective into the fabric of the curriculum.

44 Programs for Children with Special Needs I (3) CSU

Prerequisite: Ch Dev 1 with a grade of C or better.

Lecture, 3 hours.

An introduction to the study of exceptional children, including classification and special characteristics. Field trips will be arranged to private and public special education programs. Main focus of this course will be on the exceptional child.

45 Programs for Children with Special Needs II (3) CSU

Prerequisite: None.

Recommended: Ch Dev 1.

Lecture, 3 hours.

An introduction to the study of exceptional children including classification and special characteristics. Includes general program planning as well as relevant program modification. Field trips will be arranged to private and public special education programs.

46 School Age Programs I ‡ (3) CSU

Dept. of Social Services DS4.

Prerequisite: None.

Recommended: Ch Dev 1 and English 28.

Lecture, 3 hours.

This course is designed for students interested in working in before/after or out-of-school programs for school-age children. Students are introduced to the philosophies of programs for school-children. This course includes designing appropriate curriculum and experiences, classroom management and creating environments.

47 School Age Programs II ‡ (3) CSU

Prerequisite: None.

Recommended: Ch Dev 1 and English 28.

Lecture, 3 hours.

This course is designed for students interested in working in before/after or out-of-school programs for school-age children. This course includes focus on developmental stages of school-age children, quality programs and program requirements, leadership, guidance strategies, communication between home and school, and community resources.

48 Positive Guidance in Early Childhood Setting ‡ (3) CSU

Prerequisite: None.

Recommended: Ch Dev 1 and English 28.

Lecture, 3 hours.

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

53 Parenting (3) CSU

Prerequisites: None.

Recommended: Ch Dev 1 and English 28.

Lecture, 3 hours.

This course will examine the role of the parent throughout the early stages of child development and provide strategies for supporting a variety of parenting styles and family structures. In addition, students will learn about positive parenting behaviors and explore techniques for fostering positive teacher-parent interactions.

65 Adult Supervision/Early Childhood Mentoring ‡ (2) CSU

Prerequisite: Ch Dev 1 and 11 and Ch Dev 3 or 4 with grades of C or better.

Lecture, 2 hours.

Principles and practices of supervision and evaluation of staff in Early Childhood Programs. Emphasis on the role of experienced teachers who mentor or supervise new teachers and student teachers. Meets supervision requirement for the Child Development Permit.

172 Introduction to Careers in Child Development (1)

Prerequisite: None.

Lecture, 1 hour.

This course introduces students to the variety of career options available to Child Development majors. Exploration of career opportunities, required qualifications, resources available, as well as academic and professional support systems. This class is offered on a pass/no pass basis only.

185 Directed Study - Child Development ‡ (1) CSU RPT2**285 Directed Study - Child Development ‡ (2) CSU****385 Directed Study - Child Development ‡ (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Child Development on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative Education - Child Development (1-4) CSU

Child Development is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

CINEMA**101 Beginning Film Production Workshop (3) UC:CSU**

Prerequisite: Cinema 107 with a grade of C or better, or concurrent enrollment.

Lecture, 2 hours; laboratory, 2 hours.

Comprehensive overview of all aspects of digital film/video production from script concept to finished project, centering on basic theory and its application via exams, demonstrations, and hands-on experiences with digital and film media exercises.

NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time may be required to complete projects.

104 History of Documentary Film (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course presents a historical overview of the art and craft of documentary and non-fiction films from the silent era to contemporary times, both American and foreign, with an emphasis on the "classics," propaganda, educational, docudrama, and avant-garde.

105 History of Motion Pictures (3) UC:CSU ☼

Prerequisite: None.

Lecture, 3 hours.

This course provides students with an introductory overview of the history of cinema, both American and foreign, from the earliest silents to contemporary times, with an emphasis on the first 75 years, via screenings, lectures, readings and discussions about the major artistic, social, economic, and technological trends.

106 The Art of Animation and Special Effects (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course provides students with an analytical overview of traditional and experimental animation techniques, both American and foreign, past and present, as well as special effects, including optical, mechanical, mattes, miniatures, pyrotechnics, atmospheric, make-up, digital, and others.

107 Understanding Motion Pictures (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course provides students with an analytical critical survey of motion pictures as an art form, entertainment industry, and communication medium via screenings, lectures, readings about 'classic' and contemporary films, American and foreign, theatrical and non-theatrical.

110 Motion Picture Sound ‡(3) CSU

Prerequisite: Cinema 101 or Mediart 101 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This is an intermediate course dealing with all aspects of film/video sound recording, mixing, and editing from theory to application, centering on learning the basic parts and functions of professional motion picture and digital video sound equipment, as well as sound techniques and aesthetics.

NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time may be required to complete projects.

111 Developing Content for Movies ‡(3) CSU

Prerequisite: None.

Lecture, 3 hours.

This survey course presents an overview of the film industry. It introduces the student to the art of creating and selling for the entertainment industry. Students will learn how to acquire, develop, create and pitch material, as well as gain an understanding of the structure of the industry.

115 Cinematography ‡ (3) CSU

Prerequisite: Cinema 101 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This is an intermediate course dealing with all aspects of cinematography from theory to application, centering on learning the basic parts and function of intermediate film/video cameras, lenses, lighting equipment, accessories as well as cinematography techniques and aesthetics.

NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time may be required to complete projects.

120 Film Editing ‡ (3) CSU RPT1

Prerequisite: Cinema 101 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This is an intermediate course covering all aspects of digital film/video editing theory, techniques and aesthetics. A variety of professional applications, with emphasis on Final Cut Pro, will be utilized in the editing exercises. NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time may be required to complete projects.

123 Motion Picture Production Workshop I ‡ (3) CSU RPT1

Prerequisite: Cinema 107, 110, 115, and 120 with grades of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This is an advanced course in Motion Picture Production. Each student will produce, write, direct and shoot a short film/digital video, as well as to crew for other assigned productions. NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time is required to complete projects.

124 Motion Picture Production Workshop II ‡ (3) CSU RPT1

Prerequisite: Cinema 123 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This is an advanced course in film post-production. Each student will be required to edit, record and mix sound, for project filmed in Cinema 123. NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time may be required to complete projects.

185 Directed Study - Cinema (1) CSU RPT2

285 Directed Study - Cinema (2) CSU

385 Directed Study - Cinema (3) CSU

Prerequisite: Approval of project.

Conference, 1 hour per unit.

Allows student to pursue Directed Study in Cinema on a contract basis under the direction of supervising faculty.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Cinema Arts (1-4) CSU

Cinema is approved for Cooperative Work Experience Education credit. (Workplace experience in Cinema integrating classroom Cinema studies; requires approval of Dept. Chair as well as Work Experience Director). See Cooperative Education, page 77, for prerequisite, course description and credit limits.

COMPUTER APPLICATIONS OFFICE TECHNOLOGIES (CAOT)

1 Computer Keyboarding and Document Applications I (3) CSU

Prerequisite: None.

Lecture 2 hours, and laboratory, 3 hours.

This course instructs students in proper keyboarding techniques to accomplish mastery of the computer keyboard by touch. Students will develop speed and accuracy and produce basic business documents such as business letters, reports, and tables using word processing software. Also offered in three 1-unit modules.

2 Computer Keyboarding and Document Applications II (3) CSU

Prerequisite: None.

Recommended: CAOT 1 with a grade of C or better, or the equivalent.

Lecture, 2 hours; laboratory, 3 hours.

The course provides a thorough training in keyboarding skills and emphasizes formatting various kinds of business correspondence including business letters, envelopes, reports, business forms, and tables of increasing complexity. Continued emphasis is placed on keyboarding techniques, improving speed/accuracy on timed writings, and developing proofreading skills.

9 Computer Keyboarding Improvement (1) CSU RPT1

Prerequisite: None.

Laboratory, 3 hours.

This course emphasizes speed and accuracy building on the keyboard using corrective drills, exercises, timed writings and diagnostic computer keyboarding software.

31 Business English (3) CSU

Prerequisite: None.

Required for all incoming CAOT majors.

Recommended for Business majors.

Lecture, 3 hours.

Students will develop competency in the fundamentals and mechanics of correct English usage, including grammar, punctuation, capitalization, number style, sentence structure, and written expression. The course emphasizes appropriate methods of expression through sentence construction, paragraph development, and functional composition.

Students may not earn credit for both CAOT 31 and Bus 31.

32 Business Communications (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course provides students with the opportunity to develop the ability to write effective business memorandums, letters, e-mail messages, employment documents, and short reports. The problem-solving approach to creating messages that inform, persuade, and convey negative news is stressed. Emphasis is on the concepts of effective writing style such as organization, coherence, and unity as well as principles of grammar and punctuation of written business documents. The course also includes instruction in oral communication, speaking skills, and oral presentations.

Communication technology, communication across cultures, listening skills, nonverbal communication, and workplace ethics are included.

Students may not earn credit for both CAOT 32 and Bus 32.

33 Records Management and Filing (2)

Prerequisite: None.

Lecture, 1 hour; laboratory, 2 hours.

This course presents basic principles and procedures of record storage, control, retrieval and management by manual, electronic, and micrographic methods. Emphasis is also placed on sustainable environmental policies regarding records storage and management. Students will develop speed and accuracy in indexing, filing and finding documents in such systems as alphabetic, numeric, geographic, and subject.

35 Concepts in Information Systems (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course provides students with the basis for understanding concepts necessary for success in the Information Age. It provides an introduction to the basic concepts of an information system with emphasis on the components of the microcomputer, including the system unit and input, output, storage, and communication devices; application software; systems software; the Internet and the World Wide Web; and privacy and security issues.

37 Secretarial Accounting (3)

Prerequisite: None.

Lecture, 3 hours.

This course is designed to acquaint students with the principles and practices of bookkeeping. Including the fundamentals of double entry bookkeeping, worksheets, and preparation of financial statements.

43 Office Procedures (3) RPT2

Prerequisite: CAOT 1 or 2 with a grade of C or better.

Lecture, 3 hours.

This course covers the concepts and procedures used in the automated/electronic office. Human relations skills, job interviewing techniques and strategies, attitude, personality, communication skills, reinforcement of keyboarding, business English, records management skills, and professional ethics needed for success in the automated/electronic office environment will be included. An emphasis is also placed on sustainable environment policies that may be initiated in the office/company workplace.

47 Applied Office Practice (2) CSU RPT3

Prerequisite: None.

Performance, 5 hours.

The student gains practical experience in many areas of office work by working six hours a week on campus. Special attention is given to developing the personal qualities desirable in business, the ability to follow both written and oral instructions, and confidence in handling routine office duties such as phone calls, office visitors, records management, and computer software programs.

78 Microcomputer Accounting Applications for the Electronic Office (3) CSU

Prerequisite: CAOT 37, Acctg 1, or Acctg 21 with a grade of C or better.

Lecture, 2 hours; laboratory, 3 hours.

This course acquaints students with the use of the microcomputer for bookkeeping and accounting applications. Students receive hands-on experience in analyzing business transactions, keeping records, preparing financial statements, and generating financial management reports using an accounting software package such as QuickBooks. The course will cover sales and receivables, payables and purchases, general and end-of-period procedures, and payroll for service and merchandising businesses.

82 Microcomputer Software Survey in the Office (3) CSU

Prerequisite: None.

Lecture, 1 hour; laboratory, 4 hours.

This course is a survey of major office applications used in Business. Word processing, graphics, spreadsheet, presentation, and database applications will be included. An integrated suite such as Microsoft Office Professional will be used. The course provides hands-on instruction to the Windows operating system and exploration of the Internet.

84 Microcomputer Office Applications: Word Processing ‡ (3) CSU RPT2

Prerequisite: None.

Lecture, 2 hour; laboratory, 3 hours.

This course provides information and hands-on training using word processing software programs such as Microsoft Word. Students will learn beginning and advanced functions and apply their skills and knowledge to a wide variety of simple and complex documents, such as letters and memoranda, columnar tables, text tables, manuscripts, mail merges, graphics, and mailing list documents.

85 Microcomputer Office Applications: Spreadsheet (3) CSU

Prerequisite: None.

Lecture, 1 hour; laboratory, 4 hours.

This course provides a detailed study of business applications using Microsoft Excel or a similar software. Topics include the commands, formats, and functions of the software with emphasis on its use as a problem solving and financial analysis tool. Students will learn to create macros, customize toolbars and menus, and integrate Excel with other applications. Covers the creation, editing, formatting and printing of worksheets. Emphasizes preparing computerized worksheets, using formulas and functions to analyze data, prepare graphs, and simplify office accounting procedures. Fulfills CAOT AA degree and Certificate requirements.

86 Microcomputer Office Applications: Database (3) CSU

Prerequisite: None.

Lecture, 1 hour; laboratory, 4 hours.

This course covers database office applications using Microsoft Access or a similar database software. It provides an in-depth coverage of database and records design, file creation and maintenance, file search by various criteria, formatting and printing on-screen data representations, production of reports, and discussion of internet-based database operations.

92 Computer Windows Application (2) CSU

Prerequisite: None.

Lecture, 1 hour, laboratory, 2 hours.

This course prepares students to work efficiently within the Microsoft Windows operating system. Topics include windows desktop, help, file and folder management, accessing applications and communicating, and customizing a computer using the control panel.

97 Introduction to the Internet for CAOT (3) RPT1

Prerequisite: None.

Lecture, 2 hours; laboratory, 3 hours.

Provides an overview of the use of the Internet for the office professional. Students learn to use electronic mail, browsers, and search engines for the Internet to locate resources. The creation and use of web pages will be covered.

108 Presentation Design for the Office (2) CSU

Prerequisite: None.

Lecture, 1 hour; laboratory, 2 hours.

This course provides an overview of presentation design software such as Microsoft PowerPoint. Students learn to use templates, outlines, clip art, and documents to create presentations, electronic slide shows and websites.

123 Web Applications for the Office Professional (3) RPT2

Prerequisite: None. Recommended: CAOT 97.

Lecture, 2 hours; laboratory, 2 hours.

This course is designed to provide students who are familiar with creating Web pages with ability to add dimensions of time, sound, motion, and interactivity to Web pages via a variety of authoring tools. Through lectures and demonstrations, students learn the basics of how to create multimedia presentations on workstations and for the Internet.

124 Introduction to Image Creation for the Office Professional (3) RPT1

Prerequisite: None. Recommended: CAOT 97.

Lecture, 2 hours; laboratory 2 hours.

This course will cover importing, correcting, and manipulating images using Adobe Photoshop or a similar software. The course includes scanning, planning, and modifying images that can be used for a variety of business applications.

185 Directed Study – Computer Applications Office Technology (1) RPT1

285 Directed Study – Computer Applications Office Technology (2)

385 Directed Study – Computer Applications Office Technology (3)

Prerequisite: Computer Applications & Office Technologies major and approved project.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Computer Applications & Office Technologies on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative Education – Computer Applications Office Technology (1-4)

Computer Applications & Office Technologies is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

COMPUTER SCIENCE- INFORMATION TECHNOLOGY (CO SCI)

The departments curricula are designed for the following career paths: A.S. degree candidate, transfer core to four-year colleges and universities, programming and micro-computer certificates emphasizing software in the information processing environments, and a joint microcomputer systems certificate with Electronics for microcomputer systems technicians.

800 Practical PC (1) CSU

Prerequisite: None.

Lecture, 1 hour; Laboratory 1 hour.

This course will familiarize the student with Windows-based PCs. Basic Microsoft Windows, installing software, naming and saving files, compressing and decompressing files, downloading files, organizing files in folders, as well as protecting files will be introduced. The class will also cover how to connect to and search the internet, and how to send e-mail with attachments. The use of application software, graphics, sound and video are introduced. Buying and expanding your PC will be taught.

801 Introduction to Computers and Their Uses (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

An overview of computers and information processing. The fundamental concepts of a computer's hardware and software are presented. Popular computer programs are introduced including Word processing, Spreadsheets, Database, and Presentation Programs. The Internet, Utility Programs, Computer Ethics and Data Representation are discussed. The societal impact of computers is critiqued.

802 Introduction to Computer Science ‡ (5) UC:CSU

Prerequisite: None.

Lecture, 4 hours; laboratory, 2 hours.

Introduction to the design, analysis, development, and implementation of computer programs using a high-level, object-oriented programming language. The focus is on analytic programming skills, problem-solving, the design and analysis of algorithms, and the software construction process.

808 Programming in Visual Basic ‡ (3) UC:CSU

Prerequisite: Co Sci 802 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

Fundamental principles of event-driven programming for Windows applications using Visual Basic. Proficiency in event-driven programming in Visual Basic for Windows applications using graphical user interfaces. Topics include controls and their properties, methods and events; basic data types and variables; subroutines and functions; scope; control structures; building graphical user interfaces; and interfacing with the Windows operating system. Object linking and embedding (OLE) and multimedia also are introduced.

816 Introduction to Computer Architecture and Organization ‡ (3) UC:CSU

Prerequisite: Co Sci 802 with a grade of C or better.

Lecture, 2 hours; laboratory 2 hours.

The fundamentals of information representation and storage organization in computer systems. Topics include computer hardware components, typical computer architectures, instruction formats, addressing modes, stacks, the instruction execution cycle, assembly language instruction formats, compiler translation, optimizing compilers, disassemblers, loaders and simulators, system interrupts, virtual memory, boolean algebra and logic gates, combinational logic and sequential devices.

819 Information Technology and Applications in Business (4) CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 4 hours.

The students will learn the fundamental concepts for information technology and its applications in business, utilizing micro-computers. Computer hardware and software, windows, internet, spreadsheets, and an introduction to Visual Basic for Application programming will be taught. Stress will be on the spreadsheets using a program such as Excel. (Meets Microsoft certificate requirements and the Microcomputer Applications Management Specialist Certification.)

830 Microcomputer Application Software (3) CSU

Prerequisite: None.

Lecture, 1 hour; laboratory 4 hours.

Students will learn about computer components how they interact with software, and how to interpret data representation in memory. The course includes a survey of major office applications, including word processing, spreadsheets, database management, and presentation software, using an integrated suite, such as Microsoft Office. Topics include: use of templates and document automation, designing spreadsheet, charting data, creation of electronic presentations, principles of database design, object linking and embedding (OLE), creating web pages. (Required for majors and the Microcomputer Applications Management Specialist Certificate. Meets Microsoft Certificate requirements.)

832 Advanced Data Structures and Introduction to Databases ‡ (3) UC:CSU

Prerequisite: Co Sci 836 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

Advanced topics in the study of data structures; the role of abstract data types (including priority queues, heaps, graphs, sets, sorting, searching, and hashing) and their specification, implementation and application in program design; recursion; use of complexity analysis in evaluating algorithms.

834 Operating Systems (3) UC:CSU

Prerequisite: Co Sci 802 with a grade of C or better.

Lecture, 3 hours.

The purpose of this course is to develop sufficient expertise, knowledge, skills and confidence to enable the student to pursue self development in order to be able to take Linux certification exams. Subjects covered: Multi boot installation, Linux commands (almost all same or very similar to UNIX commands), system management and maintenance, kernel configuration and recompilation, scripting, diagnosis and troubleshooting, setting up a simple network and use of network commands. Updating and upgrading software, installation of new software and applications. Operating systems theory, design or construction are not covered. However, key characteristics of a superior operating system are explored.

836 Introduction to Data Structures (3) UC:CSU

Prerequisite: Co Sci 839 with a grade of C or better.

Lecture, 2 hours; laboratory 2 hours.

Introduction to the study of data structures formed from primitive data types; the role of abstract data types (including stacks, queues, lists, trees, and graphs) and their definitions, implementation and application in program design and algorithms that use them; recursion; use of complexity analysis in evaluating algorithms.

839 Intermediate Programming Using C/C++ (3) UC:CSU

Prerequisite: Co Sci 802 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

Principal elements of the "C++" programming language, including functions and function prototypes, pointers, arrays, strings, structures, unions, enumerated types, intraprogram and interprogram communication, and dynamic memory allocation.

840 Object-Oriented Programming in C++ (3) UC:CSU

Prerequisite: Co Sci 839 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

Principles of object-oriented design and programming using C++. Topics include the role of objects as abstract data types; data abstraction, inheritance, and polymorphism; constructors and destructors; overloading member functions; static members; operator overloading; friend functions; overriding base class member functions; private, public, and protected access; virtual member functions, pure virtual functions and abstract base classes; composition v. inheritance; exception handling; I/O streams.

861 Advanced Computer Programming (3) UC:CSU

Prerequisite: Co Sci 840 with a grade of C or better.

Lecture, 2 hours; laboratory 2 hours.

Principles of object-oriented and event-driven design and programming for Windows. An object-oriented and event-driven language such as Visual C++ will be used to provide an understanding of designing, developing, and implementing Windows applications. The course will include coverage of standard Windows interface mechanisms, Single-Document Interface (SDI) applications, serialization, Multi-Document Interface (MDI) applications, and multimedia applications.

863 Introduction to Computer Networking ‡ (4)

Prerequisite: Co Sci 801 with a grade of C or better.

Lecture, 3 hours; laboratory, 2 hours.

This course presents the theory and practice of computer networking. It covers the principles and techniques used in designing data networks. Topics include networking theory, network design and implementation, network management, data communication fundamentals, noise effects, network communications and protocols, topologies, transmission methods, as well as architecture, the presentation, modeling and performance analysis of various type of networks including (LANs, WANs, and WiFi), maintenance and troubleshooting, and network security. This course has a comprehensive coverage of fundamental networking technologies, with a focus on major operating systems.

870 Windows and Web Database Programming (3) UC:CSU

Prerequisite: Co Sci 808 or Co Sci 895 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

An introduction to programming applications that use a graphical user interface (GUI) in a Web based environment such as ASP.Net to access and modify data in Relational Database Management Systems (RDBMS) using object-oriented programming (OOP) principles and Structured Query Language (SQL). Topics include: Server side technologies, event driven programming, relational database design, website security and data validation. The class will be taught using one or more of the OOP programming languages currently used in the business world, such as Visual Basic.NET or C#.

884 Navigating the Internet (2) CSU

Prerequisite: None.

Lecture, 1 hour; laboratory 2 hours.

Survey of Internet services, including the World Wide Web (WWW), E-mail, File Transfer Protocol (FTP), and Microsoft Internet Explorer Web browser. Emphasis will be on using and configuring the browser to navigate and search the Web with an introduction to Hypertext Markup Language (HTML) and Extensible Hypertext Markup Language (XHTML) as well as creating Web pages using a simple text editor.

890 Object-Oriented Programming in Java (3) UC:CSU

Prerequisite: Co Sci 802 with a grade of C or better.

Lecture, 2 hours; laboratory 2 hours.

Principles of object-oriented design and programming using Java. Additional topics include writing applets, working with exceptions, file input/output, networking, building event driven GUIs, and developing multithreaded programs using concurrency, and Unified Modeling Language.

895 Programming in C# (3) UC:CSU

Prerequisite: Co Sci 802 with a grade of C or better.

Lecture, 2 hours; laboratory 2 hours.

Principles of event-driven programming and object-oriented design in Windows applications using the C# programming language. Emphasis on event-driven programming using GUI classes, instantiating objects, working with properties, methods, and events, and creating event-handlers. Topics include the Visual Studio IDE, variable scope and lifetime, various .NET Framework control classes, constructors, arrays and collections, strings, data validation and exception handling, multi-form projects, access modifiers, creating user-defined classes, and introduction to the OOP concepts of data encapsulation, inheritance, and polymorphism.

185 Directed Study - Computer Science - Information Technology (1) CSU RPT2**285 Directed Study - Computer Science - Information Technology (2) CSU****385 Directed Study - Computer Science - Information Technology (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue directed study in Computer Science on a contract basis under the direction of a supervising instructor.

911-921-931-941 Cooperative Education - Computer Science Information Technology (1-4) CSU

Computer Science Information Technology is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

COOPERATIVE EDUCATION (COOP ED)**195-295-395 Work Experience, General I (1-3) CSU RPT1**

Prerequisite: None.

General Cooperative Education is designed to teach students how to learn from their actual employment or career situations in an optimum way. Students also develop job skills transferable to any job.

DANCE SPECIALITIES (DNCESPC)

The following course meets the requirement for Physical Education activity, but may not be offered each semester.

490 Special Topics in Dance (1) UC:CSU RPT3

Prerequisite: None.

Activity, 3 hours.

This course introduces students to the historical and cultural origins and basic dance techniques of folk, ethnic, recreational, or other specialized dance genres. Basic steps and combinations of steps from the particular genre will be utilized to create an understanding of musical phrasing and rhythms utilized in that particular dance form. These combinations eventually will span a full range of motion, and touch upon basic movements that every individual studying dance should know and understand.

DANCE STUDIES (DANCEST)

452 Introduction to Choreography (1) UC:CSU RPT3

(Formerly: *Physical Education 452, Dance 452*).

Prerequisite: None.

Activity, 2 hours.

Introduction to basic principles of dance composition and choreography. Includes theory and practice using improvisation, critical analysis and implementation of the elements of space, time, and energy in student projects.

801 Modern Dance I (3) UC:CSU RPT1

Prerequisite: None.

Lecture, 2 hours; activity, 4 hours.

Offers in depth instruction and practice in the fundamentals of modern dance technique. Course includes theory, historical context, improvisation, and instruction in the elements of space, time, and energy.

805 History and Appreciation of Dance (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course provides a historical perspective of dance from ritual to contemporary theatrical dance forms. It focuses on the ethnic, cultural and ritual forms of dance as it affected and reflected the world in which people lived. Primarily, this course will focus on how dance reflects the times, historical, and social and political climate of the day. The class will consider the impact of dance on the western world and how it has been affected by the different dance traditions world-wide.

814 Dance Production I ‡ (2) UC:CSU RPT3

(Formerly: *Physical Education 814, Dance 814*).

Prerequisite: Audition required.

Lecture, 1 hour; activity, 2 hours.

Provides instruction and laboratory experience in methods and techniques involved in producing a dance concert: including publicity, lighting, costuming, audition and performance skills, and dance critique and assessment.

819 Choreography ‡ (4) UC:CSU RPT1

(Formerly: *Dance 819*)

Prerequisite: Audition required.

Lecture, 2 hours; activity, 4 hours.

Study and practice of basic principles of dance composition and choreography. Includes theory and application of choreographic principles, including improvisation and critical analysis, culminating in a presentation of choreographic projects.

820 Dance Production II (4) UC:CSU

(Formerly: *Physical Education 820, Dance 820*).

Prerequisite: Audition required.

Lecture, 2 hours; activity, 4 hours.

Provides instruction and laboratory experience in methods and techniques involved in producing a dance concert: including rehearsal management and scheduling, choreographic applications, lighting, costuming, publicity, audition and performance skills, and dance critique and assessment.

822 Dance Rehearsals and Performances (1) UC:CSU RPT3

Prerequisite: Audition required.

Activity, 3 hours.

This course is structured rehearsal time culminating in a performance. Students participate as performers in the student dance concert.

860 Dance and Creative Movement for Educators (3) CSU

Prerequisite: None.

Lecture, 2 hours; activity, 2 hours.

Course is designed for educators and parents interested in utilizing creative movement and dance as a tool for teaching. Learn to develop your students' artistic perception, create movement experiences that enhance early childhood and academic lessons, and facilitate kinesthetic learning, awareness, and expression.

185 Directed Study - Dance (1) CSU RPT2

285 Directed Study - Dance (2) CSU

385 Directed Study - Dance (3) CSU

Prerequisite: None.

Lecture, 1 hour per unit.

This course allows students to pursue directed studies in Dance on a contract basis, under the direction of a supervising instructor. *Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.*

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

DANCE TECHNIQUES (DANCETQ)

The following courses all meet the requirement for Physical Education activity, but all may not be offered each semester.

225 Yoga Skills (1) UC:CSU RPT3

Prerequisite: None.

Activity, 2 hours.

Provides instruction and practice in yoga skills that facilitate body conditioning, endurance, flexibility, balance, and alignment, to supplement and enhance dance technique or other fitness activities.

262 Special Projects in Dance Theater (2) CSU RPT 3

Prerequisite: Audition Required.

Activity, 4 hours.

Instruction and practice in skills related to dance for stage and musical theater. Course will culminate in a performance.

290 Dance for Film and Stage (1) UC:CSU RPT3

Prerequisite: None.

Activity, 3 hours.

Introduces dancers to renowned choreographers and dancers, and provides an opportunity to experience and perform selected choreography in the genre of stage and film.

434 Ballet (1) CSU RPT3

Prerequisite: None.

Activity, 2 hours.

This course emphasizes and introduces students to ballet through basic steps and combinations, terminology, music, and appreciation of dance as a performing art.

437 Jazz Dance (1) UC:CSU RPT3

Prerequisite: None.

Activity, 2 hours.

This course teaches technique, principles, terminology and the practice of jazz dance. The course will emphasize not only the correct placement and execution of a wide variety of jazz movements, but will also teach various styles, and the history of the movements.

440 Social Dance (1) UC:CSU RPT3

Prerequisite: None.

Activity, 2 hours.

This course is an introduction to the basic forms of social dance, with emphasis on Salsa and Latin forms. The history, music, basic rhythms, and cultural influence of the dances are covered.

446 Tap Dance (1) UC:CSU RPT3

Prerequisite: None.

Activity, 3 hours.

Course introduces students to tap dance with an emphasis on basic steps, rhythms, combinations, terminology, musical applications, and appreciation of dance as a performing art.

460 Ballet Techniques (1) UC:USC RPT3

Prerequisite: None.

Activity, 3 hours.

This course teaches traditional ballet techniques and principles. The course will emphasize not only the correct placement and execution of a wide variety of ballet movements, but will also teach the terminology and history of the movements.

462 Modern Dance (1) UC:CSU RPT3

Prerequisite: None.

Activity, 3 hours.

This course teaches techniques, principles, terminology and the practice of modern dance. The course will emphasize not only the correct placement and execution of a wide variety of modern dance movements, but will also teach the history of the movements, and focus on the elements of space, time, and energy. Students will develop coordination, flexibility, and cardiovascular strength using various movement combinations.

463 Modern Jazz (1) UC:CSU RPT3

Prerequisite: None.

Activity, 3 hours.

This course teaches technique, principles, terminology and the practice of jazz dance. The course will emphasize not only the correct placement and execution of a wide variety of jazz movements, but will also teach various styles, and the history of the movements.

469 Conditioning for Dance (1) UC:CSU RPT3

Prerequisite: None.

Activity, 2 hours.

This course uses a variety of exercise techniques and philosophies to help students establish a workout program they can use to improve fitness as it applies to dance technique. Exercises are geared specifically for dance training, and are drawn from a number of different sources including yoga, Pilates, and other dance conditioning practices.

487 Hip Hop Techniques (1) UC:CSU RPT3

Prerequisite: None.

Activity, 2 hours.

This course offers instruction in the fundamentals of Hip Hop dance technique.

696 Yoga (1) UC:CSU RPT3

Prerequisite: None.

Activity, 3 hours.

Provides instruction and practice in yoga technique that facilitates body conditioning, endurance, flexibility, balance, stress reduction, and alignment, to supplement and enhance dance technique or other general fitness activities.

DEVELOPMENTAL COMMUNICATIONS (DEV COM)**22A-E Communications Laboratory (5) NDA**

Prerequisite: None.

This course is offered on a Pass/No Pass basis only. Open entry/open exit.

Lecture, 1 hour per unit.

Developmental Communications 22 is a modular, multi-media program teaching phonics and spelling. In this course students work at their own time and pace and focus on phonics, spelling, vocabulary, reading comprehension, reading rate improvement, and study skills.

- A. Phonics and Spelling
- B. General Vocabulary
- C. College Vocabulary
- D. Study Skills
- E. Reading Improvement

23 Techniques of Learning (3) NDA RPT1

Prerequisite: None.

Recommended for students who score at the intermediate or advanced levels of the Reading Assessment Test.

Lecture, 3 hours.

This course teaches efficient study methods and effective learning techniques. This course stresses outlining, note taking techniques, exam strategies and time management.

35 Reading I - Fundamentals (3) NDA

Prerequisite: None.

Recommended for students who score in the appropriate range on the Reading Assessment Test.

Offered on a Pass/No Pass basis.

Lecture, 3 hours.

A basic reading class designed to improve word decoding and attack skills; increase sight, speaking and writing vocabularies; establish and/or improve reading fluidity; develop dictionary skills; and identify main and supporting ideas in reading and writing.

36 Reading II - Comprehension and Related Skills (6) NDA

Prerequisite: None. *Recommended for students who score in the appropriate range on the Reading Assessment Test.*

Lecture, 6 hours. (Course is offered as two 3 unit, 3 hour modules.)

This is an intermediate reading class designed to improve vocabulary, fluency and comprehension in reading; increase sight, speaking and writing vocabularies; and identify main and supporting ideas in reading with the goal of helping students acquire sufficient mastery to succeed in college courses.

ECONOMICS (ECON)**1 Principles of Economics I (3) UC:CSU ☼**

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

An introductory microeconomics course designed to provide the student with an understanding of basic economic principles and forces which govern the production, distribution, exchange and consumption of goods and services. Topics considered include: economic decision-making given scarcity of resources; resource allocation; value and price theory in a free-enterprise economy; income distribution; poverty and its causes and solutions, social costs and benefits; the roles of governments in the economic system; forms of business enterprise; labor management relations. Contemporary economic developments are considered throughout the course. Meets the general education Social Science requirement.

2 Principles of Economics II (3) UC:CSU ☼

Prerequisite: Econ 1 with a grade of C or better.

Lecture, 3 hours.

A macroeconomics course which is a continuation of the introductory principles of economics. Topics considered include: national income and employment; economic fluctuations; business cycles; money, credit and banking; public financing and taxation; monetary, fiscal, and economic stabilization policies; international trade, tariffs, payments and policies; comparative economic systems; economic growth and development. Contemporary economic developments are considered throughout the course. Meets the general education Social Science requirement.

4 Economics for the Consumer ‡ (3)*Prerequisite: None.***Lecture, 3 hours.**

This course addresses the factors and problems present in consumption, advertising, credit and installment buying, and determination of price, which can improve consumer economic decision-making and can assist in maximizing satisfaction in consumer spending. Designed to assist students in understanding the consumer's role in the economic system, including the development of knowledge and skills in earning incomes, and in personal and household management, budgeting and investment. Recommended for economics, social science, and business majors.

30 Comparative Economic Systems ‡ (3) UC:CSU*Prerequisite: None.***Lecture, 3 hours.**

Examination of how economic systems function. Differences between market and planned command economies in theory and practice, and problems of transforming a socialist economy into a market economy. This course studies cases of former USSR, China, Mexico, England, Sweden, Poland, Japan, The Middle East.

40 History of Economic Thought (3) UC:CSU*Prerequisite: None.**Recommended: English 28, English 363, or placement into English 101.***Lecture, 3 hours.**

This course studies the history and evolution of economic ideas starting with early beginners, Adam Smith, Ricardo and continues with Marx to modern times. Course covers competing paradigms in economics, including neoclassicism, monetarism, American Institutional school, Keynesian school and others and establishes a link between evolution of economic ideas and the economic history of Europe and the United States. A special attention is paid to methodology of economics.

50 Principles of Financial Economics (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

Examination of financial problems of economics, including history and evolution of money, commercial banking systems, the Federal Reserve System, theories of money and monetary policies, the capital markets, mortgage markets, stock and bond markets and the international and foreign exchange markets.

60 Economics and the Environment (3) CSU*Prerequisite: None.**Recommended: English 28, English 363, or placement into English 101.***Lecture, 3 hours.**

This course provides an introduction to the economics of environmental issues and policies. It examines topics such as land use, energy, climate change, pollution, efficient use of resources and the use Geographic Information Systems as a tool of research and analysis. Special attention is paid to property rights, externalities, public goods, sustainability, and population growth as determining factors of environmental policy in reducing the costs of pollution.

185 Directed Study - Economics ‡ (1) CSU RPT2**285 Directed Study - Economics ‡ (2) CSU****385 Directed Study - Economics ‡ (3) CSU***Prerequisite: None.***Conference, 1 hour per unit.**

Allows students to pursue Directed Study in Economics on a contract basis under the direction of a supervising instructor. *Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.*

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Economics (1-4) CSU

Economics is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

EDUCATION (EDUC)**2 Introduction to Education I (1) CSU***Prerequisite: None.**Recommended for those planning to enter elementary or secondary teaching.***Lecture, 1 hour.**

General introduction to the various fields of educational thought and practice. General vocational orientation. Observation of the teacher at work.

203 Education in American Society (3) UC:CSU*Prerequisite: None.***Lecture, 3 hours.**

This course is designed to provide future teachers with the fundamental knowledge essential for understanding the American educational enterprise, especially issues in urban multicultural schools. Concepts and methods from the fields of sociology, philosophy, and the politics of education are used to analyze the current conditions of American schools and to evaluate selected proposals/models for reform. A minimum of 30 hours of observation of and participation in a multicultural setting is required.

911-921-931-941 Cooperative Education - Education (1-4) CSU

Education is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

EDUCATIONAL TECHNOLOGIES (EDU TEK)**200 Classroom Management System Instructor Certification (2) CSU***Prerequisite: None.***Lecture, 2 hours.**

This course provides an overview of the core tools and basic functionality of a classroom management system. This class will introduce students to a complete set of tools to develop, deliver, supplement, and manage courses via the internet. This course prepares students to teach online. As a hands-on learning experience, a step-by-step path towards implementing the system's tools which support online teaching and learning is emphasized. This course meets the certification required for LAVC faculty.

210 Online Instruction Design (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

This course examines a variety of strategies used in developing an online, hybrid or web enhanced course by focusing on principles of online course design, strategies of effective online teaching, and best practices of using various established and emerging technologies to achieve student learning outcomes. During the term of this class we will explore a variety of teaching and designing best practices in order to give the instructor the skills needed to create a course that gives the online learner a quality educational experience.

220 Teaching Your Online Course (3)*Prerequisite: None.***Lecture, 3 hours.**

This course focuses on "how to teach an online or hybrid course." Regardless of which learning management system you use, this course addresses how to deliver classes that lead to student success. Best practices for both online/hybrid students and instructors are covered, along with discussions of relevant online learning theories and associated activities. The various delivery methods of computer-mediated instruction, such as fully online courses, hybrid courses, and web-enhanced courses are compared and contrasted. This class examines the day-to-day operation of a class including topics such as time management skills, effectively responding to students, and how to manage the many problems that may occur in a course with online components.

ELECTRONICS (ELECTRN)**2 Introduction to Electronics (3) CSU***Prerequisite: None.**Corequisite: Electronics Technology majors enroll in Electronics 10 concurrently.***Lecture, 3 hours.**

An introductory electronics course for majors and non-majors, with emphasis on hands-on activities. In addition to exploring career opportunities in the world's largest industry, electronics, students will learn to solder, read schematic drawings, identify electronics components, and construct numerous electronic circuits and projects. A great introduction to the field of electronics.

4 Fundamentals of Electronics I (4) CSU*Prerequisite: Math 115 with a grade of C or better.***Lecture, 3 hours; laboratory, 3 hours.**

The lecture provides detailed study of direct and alternating current theory and applications. Topics include, Ohms Law, energy sources, magnetism, capacitance, inductance, and transient circuits. Complex circuits are solved using Kirshhiffs Laws and Thevenins and Norton Theorems. The laboratory provides experience in applying electrical laws and test equipment to direct current circuits. Practices include component identification, breadboarding circuits, resistor and capacitor color codes and circuit measurements using the digital multimeter and the VOM.

6 Fundamentals of Electronics II (4) CSU*Prerequisite: Electrn 4 and Electrn 10 with grades of C or better.***Lecture, 3 hours; laboratory, 3 hours.**

The lecture includes the theory and practice of alternating current principles. Topics include series and parallel resonance, transformers, single and polyphase voltages, filters and an introduction to pulse wave forms. The laboratory includes experimental study discussed in lecture. Data are gathered from series-parallel tuned and untuned circuits and transformers. Extensive use is made of signal generators, digital multimeters and bridges.

10 Mathematics of Electronics I (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

Mathematics applied to Electronics, Engineering, Computer Science, Automation, Electromechanics. Designed for those studying modern technology. Topics cover number notation, units of measurement, fundamentals of algebra, graphical analysis, computer number systems, fractions, and graphs applied to electrical circuits.

20 Electronic Circuits I (4) CSU*Prerequisite: Electrn 4***Lecture, 3 hours; laboratory, 3 hours.**

The class reviews basic electronics and then covers theory and application of basic active semiconductor components such as diodes, transistors, FETs, and integrated circuits. The laboratory portion includes construction and measurements related to circuits studied.

22 Electronic Circuits II ‡ (4) CSU*Prerequisite: Electrn 20***Lecture, 3 hours; laboratory, 3 hours.**

The student will continue to learn operational amplifier theory with integrated circuit theory and laboratory experiments. Students will study comparator voltage regulator theory and build and use test equipment provided in the lab.

24 Electronic Circuits III ‡ (4) CSU*Prerequisite: Electrn 20***Lecture, 3 hours; laboratory, 3 hours.**

This course emphasizes the theory and design of circuits for the control and sensing of DC and AC electric motors.

34 Introduction to Biomedical Electronics ‡ (3) CSU*Prerequisite: None.***Lecture, 3 hours.**

A study of biomedical instrumentation and equipment used in the health care field, emphasizing critical care applications. The source of bioelectric potentials and their appearance in EKG and EEG equipment: stress testing, blood pressure and flow and heart sounds. Operating principles of transducers, amplifiers, patient monitors, or equipment defibrillators and pacers. The theory of shock hazards and methods of providing for patient and staff safety are emphasized.

36 Biophysical Measurements I ‡ (3) CSU*Prerequisite: Electrn 34 and Electrn 20 with grades of C or better.***Lecture, 3 hours; laboratory, 3 hours.**

Theory, operation, test and calibration of medical equipment including patient monitors, defibrillators, electrosurgical units and pacers. Principal physiological measurements. Patient safety and hospital electrical testing procedures; establishing preventative maintenance programs.

37 Biophysical Measurements I Lab ‡ (1) CSU*Prerequisite: Electrn 34 and Electrn 20 (or Electrn 20) with grades of C or better.**Corequisite: Electrn 36.***Laboratory, 3 hours.**

Provides practice in testing, trouble-shooting and calibrating electronic medical equipment. Patient monitor systems, pacers, defibrillators and surgical units are included. Safety evaluation procedures according to hospital standards. Use of specialized medical equipment analyzers and an exposure to the hospital environment.

38 Biophysical Measurements II ‡ (3) CSU

Prerequisite: Electm 20 and Electm 34 with grades of C or better.

Lecture, 3 hours; laboratory, 3 hours.

Theory, operation, test and calibration of medical laboratory and clinical equipment including the blood-gas analyzer, spectrophotometer, and blood pressure and ultrasound devices. Safety testing methods and establishing preventative maintenance programs.

39 Biophysical Measurements II Lab ‡ (1) CSU

Prerequisite: Electm 20 and Electm 34 with grades of C or better.

Corequisite: Electm 38.

Laboratory, 3 hours.

This course is an overview of the field of biomedical instrumentation and measurements in the operating room environment. It is a laboratory support class for Electronics 38. Students study maintaining, calibrating and repairing equipment in the operating room. Topics include fundamentals of lasers, anesthesia and imaging systems.

54 Computer Logic ‡ (4) CSU

Prerequisite: None.

Lecture, 3 hours; laboratory, 3 hours.

A lecture/lab course on digital electronics covering topics such as: number systems and codes, logic gates, combinational logic, encoders and decoders, multiplexers and demultiplexers, multivibrators, shift registers and counters, D/A and A/D converters, semiconductor memories, and an introduction to microprocessors. Students will construct various digital circuits and use test instruments to analyze operation.

58 Introduction to Microprocessor ‡ (4) CSU

Prerequisite: Electm 54 with a grade of C or better.

Lecture, 3 hours; laboratory, 3 hours.

Lecture includes microprocessor hardware, architecture, and software including diagnostic routines. Use of keyboard/display to execute programs and CPU functions. Memory, hardware, logic, and bit manipulation. Lab includes input/output timing, data format, and troubleshooting. Use of the signature analyzer. Plus network environment.

64 Technical Computer Applications (4)

Prerequisite: Electm 2 and 54 with a grade of C or better.

Lecture, 3 hours; laboratory, 3 hours.

Application of computers in electronic circuit analysis. Provides students with skills necessary to employ computer systems such as Circuit Maker and LabView.

109 Computer Hardware (4) CSU

Prerequisite: None

Lecture, 3 hours; laboratory 3 hours.

This course is designed for those who want to study and understand what is happening inside microcomputers. This theory course covers installation and troubleshooting of hardware and software components. In addition, this course prepares you for the A+ Core Hardware Exam and A+ Operating System Technologies Exam for A+ Certification. No experience in electronics is assumed.

113 Computer Networking (4) CSU

Prerequisite: None.

Lecture, 3 hours; laboratory, 3 hours.

This course is designed for students who want to gain a solid understanding of a broad range of networking technologies, especially for those who wish to pursue certifications in a variety of computer networking fields, including Network+, CCNA, MCSE, Linux+. Covers networking hardware and software components. Student should have a background in basic computer concepts. No experience in electronics is assumed.

210 Introduction to Solar Electric Systems (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course provides the student with an introduction to the rapidly growing field of Solar Photovoltaic Systems, including theory, design, installation, and maintenance basics of these systems for residential and industrial installations. The basic elements of these systems will be covered. The course will begin with a review of basic electric circuits. NABCEP exam preparation is included.

211 Photovoltaic Systems (4) CSU

Prerequisite: None.

Lecture, 3 hours; laboratory, 3 hours.

This course provides the student with knowledge and experience in the rapidly growing field of Solar Photovoltaic Systems, with particular emphasis on the theory, design, installation, and maintenance of residential and commercial installations. Issues to be covered include PV system components, site analysis, sizing, financial analysis, and weatherization. Attention will be placed on system installation and safety.

212 Renewable Energy Systems (4) CSU

Prerequisite: None.

Lecture, 3 hours; laboratory, 3 hours.

This course covers renewable energy basics, which includes solar, thermal, wind, and hydro energy. Biofuels and biomass resources are also covered, as well as geothermal power, energy storage, and hydrogen fuel cells. Furthermore, energy collection, site evaluation, design analysis of various systems, material use, and methods of construction ("green building") are also dealt with, along with an overview of California and US energy policy and global energy use. A hands-on laboratory is also included.

240 Industrial Electronics I (4)

Prerequisite: Electm 54 with a grade of C or better.

Lecture, 3 hours; laboratory, 3 hours.

This course covers PLC hardware components and troubleshooting, programming PLC instructions, and PLC lab demonstrations.

185 Directed Study - Electronics (1) RPT 2**285 Directed Study - Electronics (2)****385 Directed Study - Electronics (3)**

Prerequisite: Electm 20 and Electm 54 with grades of C or better.

Conference, 3 hours.

Allows study of electronics on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative Education - Electronics (1-4) CSU

Electronics is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

ENGINEERING, GENERAL (ENG GEN)

101 Introduction to Science, Engineering and Technology (2) UC:CSU

Prerequisite: None.

Lecture, 2 hours.

The course will introduce students to the many activities and rewards offered in the engineering and technical professions through the presentation of pertinent information and practical problems.

131 Engineering Statics (3) UC:CSU

Prerequisite: Physics 37 with a grade of C or better.

Lecture, 3 hours.

This course will study mechanics, vector force systems and equilibrium conditions with emphasis on engineering problems involving structures, distributed forces, internal forces, and friction. Basic concepts and methods for calculating centroids and area moments of inertia for various cross sections will be presented, along with an introduction to the principle of virtual work.

151 Materials of Engineering ‡ (3) UC:CSU

Prerequisite: Chem 101 with a grade of C or better.

Lecture, 3 hours.

An introductory course on the properties of materials; applications to engineering systems; dependency of properties on internal structure; structures and properties of metals and alloys and their response to thermal and mechanical treatments; structures and properties of non-metallic materials. Required of all Engineering majors.

243 Statics and Strength of Materials ‡ (4) CSU

Prerequisite: Math 266 and Physics 37 with grades of C or better.

Lecture, 3 hours; laboratory, 3 hours.

Examines force systems and equilibrium conditions with emphasis on engineering problems involving structures, machines, distributed forces and friction. Vector and scalar methods are used. Studies the relationships between external loads and the stresses they induce in elementary structural elements for the purpose of developing design formulae. Methods of determining deflections in beams and some elementary statically indeterminate problems are also studied.

911-921-931-941 Cooperative Education - Engineering, General (1-4) CSU

General Engineering is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

ENGINEERING, GENERAL TECHNOLOGY (EGT)

100 Introduction to Sustainable Construction Management (3) CSU

Prerequisite: None.

Lecture, 3 hours.

An introductory course in sustainable construction management, with an emphasis on blue print reading, managing budgets, construction industry software usage, safety regulations, environmentally sound materials and methods of construction, and local, state, and federal government agencies that have jurisdiction over construction projects.

103 Code and Zoning Regulations (3) CSU

Prerequisite: None.

Lecture, 3 hours.

An in depth review of California Building Codes, Disabled Access (ADA), as well as governing energy efficiency and sustainability regulations, known as Title 24, and State sponsored LEED program and certification. These regulations are the very basic foundation of every "Smart" design and construction project that is energy efficient and provides a sustainable, safe and friendly environment for its occupants.

104 Cost Analysis and Estimation (3) CSU

Prerequisite: None.

Lecture, 3 hours.

In depth discussion of the Cost Estimation process for buildings in the construction industry with emphasis on obtaining skills to accurately measure areas, volumes and related cost including labor for various materials, interpreting construction documents and specifications, determining labor and material costs based on project location and types of contracts, applying unit cost analysis during bidding process, implementing general conditions of the contract for site mobilization and determining percentages of overhead and profit in a project.

166 Shop Practice (2)

Prerequisite: None.

Lecture, 1 hour; laboratory, 2 hours.

Provides experience for students in the use of tools and power machines so he/she may become familiar with the processes and qualities of workmanship used in industry. The course includes the use of hand tools, accurate measuring devices and the operation of production machines.

211 Elementary Engineering Graphics (3)

Prerequisite: None.

Lecture, 1 hour; laboratory, 5 hours.

This course provides an introduction to the basic fundamentals of 2D Mechanical Drafting utilizing Autocad Computer Aided Design (CAD) software tools. The course includes a study of industry standards used for drafting mechanical engineering drawings.

212 Applied Engineering Computer Graphics I (3)

Prerequisite: EGT 211 with a grade of C or better.

Lecture, 1 hour; laboratory, 5 hours.

This course provides intermediate training in 2D mechanical detail drafting utilizing Autocad Computer Aided Drafting (CAD) software tools with emphasis on developing skills and proficiency. This course includes the practical application of industry drafting standards for drawing orthographic view projections and Geometric Dimensioning and Tolerancing techniques.

213 Introduction to Autocad (3)

Prerequisite: EGT 212 with a grade of C or better.

Lecture, 2 hours; laboratory, 4 hours.

This course provides advanced training in 3D mechanical parametric modeling utilizing Siemens Unigraphics Solutions (UGS) SolidEdge (CAD) software tools with emphasis on developing skills and proficiency. This course includes the practical application of a feature based parametric 3D master model concept for mechanical engineering design.

214 Advanced Autocad (3)

Prerequisite: EGT 213 with a grade of C or better.

Lecture, 2 hours; laboratory, 4 hours.

This course provides fast track advanced training in 3D mechanical parametric modeling utilizing Parametric Technology ProE, SolidEdge and Solidworks (CAD) software tools with emphasis on developing skills and proficiency. This course includes the practical application of a feature based parametric 3D master model concept for mechanical engineering design.

911-921-931-941 Cooperative Education - Engineering Technology, General (1-4) CSU

Engineering Technology, General is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

ENGLISH

21 English Fundamentals (3) NDA

Prerequisite: English 33 with a C grade or higher or the appropriate skill level demonstrated through the placement process.

This course is offered on a Pass/No Pass basis only.

Lecture, 3 hours.

This course teaches the fundamentals of English grammar, reading, and effective sentence skills. Students will compose paragraphs and short essays.

28 Intermediate Reading and Composition (3)

Prerequisite: English 21 with a grade of C or better or appropriate skill level demonstrated through the English placement process. Cannot be taken for P/NP.

Lecture, 3 hours.

Designed to prepare students for English 101, English 28 brings literacy abilities up to the college level. This course includes introduction to critical reading of non-fiction prose and practice writing short essays. Students who do not score sufficiently high on the placement test in English are required to take this course before attending English 101.

30 Reading for Pleasure (3) NDA

Prerequisite: None.

Lecture, 3 hours

This course stresses the improvement of reading skills and reading for enjoyment. Highly recommended for students who need practice reading and writing before taking English 28.

33 Basic Vocabulary (3) NDA

Prerequisite: None. *This course is offered on a Pass/No Pass basis only.*

Lecture, 3 hours.

This course enlarges and enriches a student's vocabulary through reading and the study of word meanings within the context of the overall meaning and purpose of a text. It develops a student's basic English literacy, including the ability to spell, read aloud, paraphrase, summarize, respond to readings, recognize the organization of texts and the structure of words, and use context clues, as well as dictionaries and other tools for vocabulary building.

67 Writing Laboratory (0.5) NDA RPT3

Prerequisite: None.

Offered on a Pass/No Pass basis only.

Laboratory, 1 hour.

Students will improve their writing skills through one-to-one tutoring conferences, writing workshops, and computer instruction with assistance from an instructor and tutors. Students will develop their understanding of purpose, audience, invention, drafting, revision, and editing. Students will also focus on improving punctuation, mechanics, and grammar. This class may be taken by students at any level of English.

68 Reading Laboratory (0.5) NDA RPT3

Prerequisite: None.

Offered on a Pass/No Pass basis only.

Laboratory, 1 hour.

Students will improve their reading comprehension and develop critical reading skills through individual help from instructor, one-to-one tutoring conferences, group workshops, and computer instruction by practicing previewing, paraphrasing, drawing inferences and summarizing a chosen text. This course can complement any other class that has assigned readings, or it can be taken independently.

69 Writing and Revising on the Computer (1) RPT3

Prerequisite: None.

Offered on a Pass/No Pass basis only.

Laboratory, 2 hours.

Individual help by instructor and tutors with using computers to write. Students practice editing, formatting, drafting, researching on the Internet, and developing resumes. Students will learn basic word processing skills as well as general guidelines for navigating the Internet. Complements any class with a writing component or can be taken independently.

75 Methods for Tutoring Writing (1)

Prerequisite: None.

Lecture, 1 hour.

Students preparing to work in a Writing Center will examine pedagogical approaches to peer tutoring in Writing Centers and engage in active sharing of their own writing process. Students will learn how to apply different tutoring styles and strategies for teaching the writing process, organization, grammar and mechanics. Students will also examine writing across the disciplines in various genres and engage in self-reflexive and meta-cognitive thinking about the practice of peer tutoring for writing.

80 Introduction to English as a Second Language: Reading Skills (3) NDA

Prerequisite: None.

Lecture, 3 hours.

This course is intended for students with English as a Second Language. It stresses the development of skills leading to college level reading capacity at a beginning/high-beginning level.

82 Introduction to College English as a Second Language (5) NDA

Prerequisite: None.

Lecture, 5 hours.

This course introduces students to English pronunciation patterns, sentence patterns, basic reading, and communication skills at a high-beginning/low-intermediate level.

83 College Conversational English as a Second Language (3) NDA RPT 1

Prerequisite: None. *Recommended:* Speech 61 and 64.

Lecture, 3 hours.

This course is designed for students at an elementary level in listening, speaking, reading, and writing English at a low-intermediate/intermediate level.

101 College Reading and Composition I (3) UC:CSU ☼

Prerequisite: English 28 or English 363 with a grade of C or better or appropriate skill level demonstrated through the English placement process.

Cannot be taken for P/NP.

Lecture, 3 hours.

This course teaches students to write college-level essays in response to reading and analyzing college-level texts. The course focuses equally on writing and critical reading, and students will write a substantial research paper in which they accurately, clearly, and coherently synthesize ideas and information from a variety of sources and points of view to fulfill the 8,700 word writing requirement.

English Course Sequence*

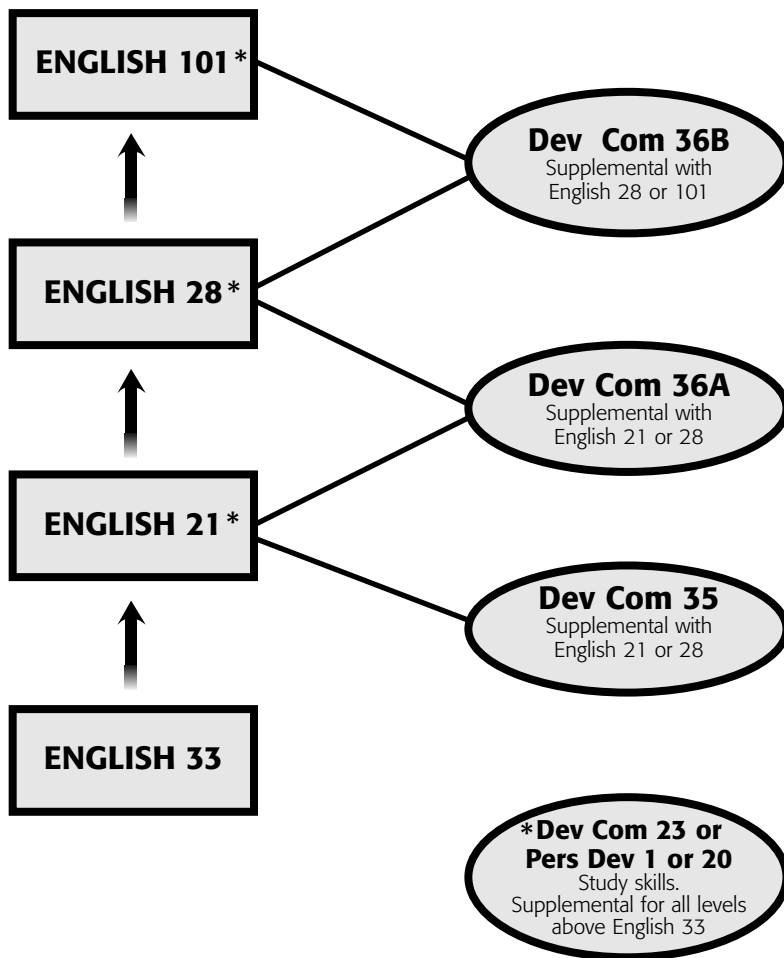
Writing Outcome Levels defined:

TRANSFER LEVEL:
Write unified, well-developed essays, each with an arguable thesis and persuasive support. Use a variety of rhetorical strategies, such as argument and comparison/contrast.

ONE LEVEL BELOW TRANSFER:
Write essays that integrate course readings and are clearly focused, fully developed, and logically organized.

TWO LEVELS BELOW TRANSFER:
Write coherent essays and paragraphs with a central idea and supporting details. Apply sentence variety and appropriate word choice.

THREE LEVELS BELOW TRANSFER:
Write short topic-based papers with a main idea. State a topic and use details to support a central idea. Build vocabulary.



KEY:

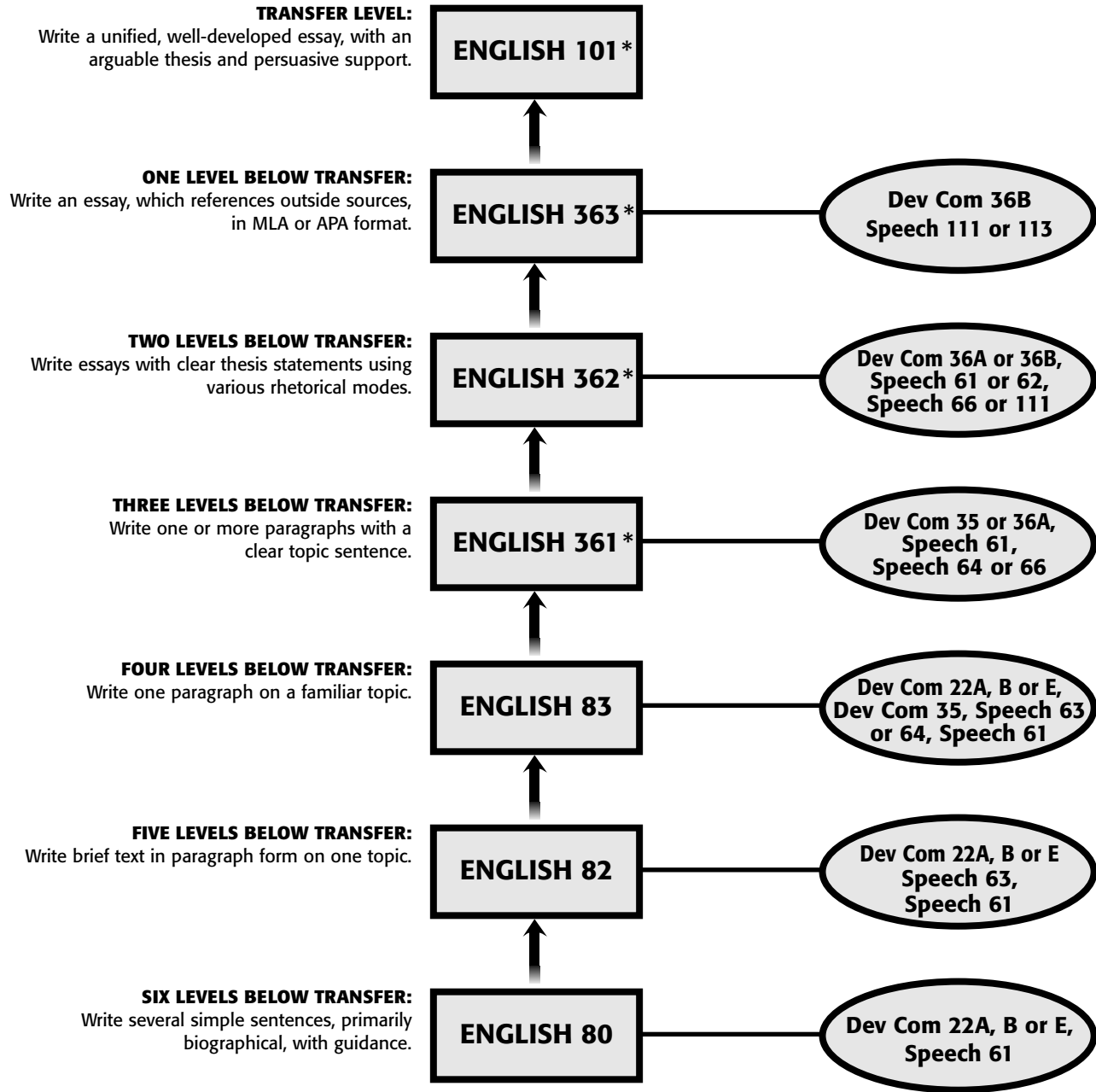
COURSE SEQUENCE

Supplemental Courses

NOTE: Assessment is recommended. See course descriptions for placement and prerequisite information.

Credit ESL Course Sequence

Outcome Writing Skills Levels defined:



KEY:

COURSE SEQUENCE (represented by a rectangle)

Supplemental Courses (represented by an oval)

*** Dev Com 23 or Pers Dev 1 or 20**
Study Skills. Supplemental for English 361, 362, 363, and 101

NOTE: Assessment is recommended. See course descriptions for placement and prerequisite information.

102 College Reading and Composition II (3) UC:CSU ☼

Prerequisite: English 101 with a grade of C or better.

Lecture, 3 hours.

Students learn to analyze short stories, novels, poetry, and plays and to write critical essays about them. Students will write 6000-8000 words including a substantial research paper using literary criticism from a variety of perspectives.

103 Critical Thinking and English Composition (3) UC:CSU ☼

Prerequisite: English 101 with a grade of C or better.

Lecture, 3 hours.

This course is designed to help students develop critical thinking, writing and research skills beyond the level achieved in English 101. Students will read and critically evaluate (for meaning, purpose, strategy, and style) expository and argumentative essays from a variety of classical sources and multi-cultural perspectives and then use these essays as rhetorical models for their own writing assignments.

105 Introduction to Language and Linguistics (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

Summary of what is known about human language: an introduction to the scientific study of language, its history and structure; language in its social and cultural setting; language, the learning tool.

Students may not earn credit for both English 105 and Ling 1.

124 Short Story Writing I ‡ (3) UC:CSU

Prerequisite: English 101 with a grade of C or better.

Lecture, 3 hours.

Students will develop skills in writing the traditional short story. Emphasis is on discussion of students' writing with some discussion of works of major writers. The course deals with marketing and preparing manuscripts for submission to publishers. Students may submit manuscripts to the college literary magazine.

125 Short Story Writing II ‡ (3) UC:CSU RPT2

Prerequisite: English 101 with a grade of C or better.

Lecture, 3 hours.

A continuation of English 124 with the opportunity to write longer, more complex works of experimental fiction suitable for publication.

127 Creative Writing (3) UC:CSU RPT3

Prerequisite: English 101 and 102 with grades of C or better.

Lecture, 3 hours.

A writing workshop for students interested in writing fiction and poetry. Students will present their work to the class for criticism. The course includes lectures, demonstrations, and individual conferences with instructor.

NOTE: UC allows a maximum of 6 transferable units for this course.

ENG 127 REPEATABLE, BUT MAXIMUM UC CREDIT IS 6 UNITS.

203 World Literature I ‡ (3) UC:CSU

Prerequisite: English 101 with a grade of C or better.

Lecture, 3 hours.

Surveys world literature in translation: representative selections from Asian literature, the Bible, Greek and Latin literature, and European masterpieces of the Middle Ages and Renaissance.

204 World Literature II ‡ (3) UC:CSU

Prerequisite: English 101 with a grade of C or better.

Lecture, 3 hours.

Surveys world literature in translation from the Renaissance to the present: selections from representative masterpieces of continental literature - French, German, Scandinavian, Russian, and Spanish.

205 English Literature I ‡ (3) UC:CSU ☼

Prerequisite: English 101 and English 102 with grades of C or better.

Lecture, 3 hours.

Surveys British literature from the eighth through the eighteenth centuries, emphasizing major figures and works.

206 English Literature II ‡ (3) UC:CSU ☼

Prerequisite: English 101 and English 102 with grades of C or better.

Lecture, 3 hours.

Surveys British literature from the late eighteenth century to the present, emphasizing major writers and works.

207 American Literature I ‡ (3) UC:CSU ☼

Prerequisite: English 101 and English 102 with grades of C or better.

Lecture, 3 hours.

Surveys American literature from 1608 until the Civil War, emphasizing major writers and works.

208 American Literature II ‡ (3) UC:CSU ☼

Prerequisite: English 101 and English 102 with grades of C or better.

Lecture, 3 hours.

Surveys American literature from the Civil War to the present, emphasizing major writers and works.

212 Poetry ‡ (3) UC:CSU RPT1

Prerequisite: English 101 with a grade of C or better.

Lecture, 3 hours.

Studies of selected American, British, and Continental poems, and their historical development. Emphasis is on critical reading and writing.

213 Dramatic Literature ‡ (3) UC:CSU

Prerequisite: English 101 with a grade of C or better.

Lecture, 3 hours.

Critical reading of and writing about plays from classical Greek times to modern drama.

Students may not earn credit for both English 213 and Theater 125.

215 Shakespeare I ‡ (3) UC:CSU

Prerequisite: English 101 with a grade of C or better.

Recommended: English 102 and 205.

Lecture, 3 hours.

Studies selected poems and representative plays. Consideration of Elizabethan and Jacobean life and letters in relation to Shakespeare's work.

218 Literature for Early Childhood (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Selections of classic and contemporary literature suitable for children of many age levels, pre-school through high school (and beyond), new readers and English language learners. Emphasis will be placed on storytelling, acquaintance with authors, and the development in children of desirable attitudes toward literature. Recommended for prospective nursery, kindergarten, elementary, and secondary teachers, parents of developing readers, literacy providers, literature consultants, librarians, and anyone who wants a foundation in what's great about English language literature or who wants to know how to select wonderful books for readers of all ages.

234 African-American Literature I (3) UC:CSU ☉

Prerequisite: None.

Lecture, 3 hours.

This course provides an analysis of the literary, social, and historical aspects of essays, novels, drama, short stories and poetry written by African-Americans. It examines and reflects upon American society through the literature that African Americans produce, especially as it pertains to their representation of themselves both intellectually and artistically.

Students may not earn credit for English 234 and Afro Am 20.

236 Literature for Early Childhood (1) CSU

Prerequisite: None.

Lecture, 1 hour.

A survey of literature suited for children up to 8 years old with emphasis on techniques for selection and presentation. Storytelling, acquaintance with literature particularly suited for young children, and the early development of desirable attitudes toward reading will be stressed. Recommended for early childhood and primary grade teachers and parents.

Students may not earn credit for both English 236 and Ch Dev 36.

252 The English Bible as Literature ‡ (3) UC:CSU

Prerequisite: English 101 with a grade of C or better.

Lecture, 3 hours.

A study of the Old and New Testaments as literature with the King James version as the basic text.

253 Opera as Literature (3) UC:CSU

Prerequisite: English 101 with a grade of C or better.

Lecture, 3 hours.

Participants will analyze recognized masterpieces by Puccini, Bizet, Verdi, et al through study of each opera's literary source(s) and the way in which literary elements reappear in the musical-dramatic context in performance.

361 ESL for Academic Purposes I (6) NDA

Prerequisite: English 83 with a grade of C or better appropriate skills level demonstrated through the English placement process.

Lecture, 5 hours; Lab 2 hours.

This course is for students who are pursuing an academic or professional degree program. Students will read and discuss literature, news and academic texts, and learn how to gather information, give complete responses, and express themselves in complete sentences at an intermediate/high-intermediate level.

362 ESL for Academic Purposes II (6) NDA

Prerequisite: English 361 with a grade of C or better or appropriate skills level demonstrated through of the English placement process

Lecture, 5 hours; Lab, 2 hours.

This course is for students who are pursuing an academic or professional degree program. Students will read novels and academic texts, conduct research, write essays and be introduced to sources of information at a high-intermediate/low-advanced level.

363 ESL for Academic Purposes III (6) CSU

Prerequisite: English 362 with a grade of C or better or appropriate skills level demonstrated through the English placement process. English 363 now meets the competency requirement

Lecture, 5 hours; Lab, 2 hours.

This course is for students who are pursuing an academic or professional degree program. Students will read novels and academic texts, conduct research, write essays, and be introduced to sources of information.

185 Directed Study - English (1) CSU RPT2**285 Directed Study - English (2) CSU
385 Directed Study - English (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in English on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - English (1-4) CSU

English is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

ENVIRONMENTAL SCIENCE (ENV SCI)**1 The Human Environment: Physical Processes (3) UC:CSU ☉**

Prerequisite: None.

Lecture, 3 hours.

An introduction to scientific analysis of real-world challenges and issues related to physical processes in the environment. The course environmental systems and cycles, uneven consumption and degradation of global resources, sustainability, climate change, conventional and alternative energy sources, waste treatment, recycling, and the future of food. Practical solutions employing an interdisciplinary approach and field trips are emphasized. This course satisfies in part the natural science requirement for general education.

2 The Human Environment: Biological Processes Lecture (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

The course examines humans' effect on the quality of air, water, food and personal health by surveying current environmental problems and their impact on biological life support systems. The course also explores solutions to these problems. This course fulfills the Natural Science requirement for non-majors, when it is taken with Environmental Science 19 biological Processes Lab.

7 Introduction to Environmental Geology (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course examines how geologic processes and hazards influence human activities and the environment. The topics covered include geologic hazards such as earthquakes, volcanic eruptions, and tsunamis; mineral resources, groundwater, pollution, and current environmental and regulatory public policy planning. A field trip is offered for the course.

Students may not earn credit for both Env Sci 7 and Geology 10.

19 The Human Environment: Biological Processes Lab (1) UC:CSU

Prerequisite: Env Sci 2 with a grade of C or better or concurrent enrollment.

Laboratory, 3 hours.

The lab portion is a 'hands on' approach to the study of environmental problems, its impact on biological systems and the exploration of solutions. This course fulfills the Natural Science requirement for non-majors, when it is taken with Environmental Science 2, the lecture component.

22 The Human Environment: Physical Processes Lab (2) UC:CSU

Prerequisite: None.

Corequisite: Environmental Science 1.

Lecture, 1 hour, laboratory 2 hours.

An introduction to processes in the physical environment through laboratory exercises and field observation using the scientific method. Topics include water, soils, vegetation, landforms, atmospheric phenomena, climate change, energy, food, resources, pollution, waste treatment and remediation. The use of monitoring equipment and computer data analysis is emphasized.

ENVIRONMENTAL STUDIES (ENVSTDS)

101 Introduction to Environmental Studies (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course provides an interdisciplinary overview from a social science perspective of the local and global impacts of humans on the natural environment over human history. Topics include the growth and geographic expansion of human population, the transformation of earth's ecosystems by humans, exploitation of natural resources, and sustainable practices and policies. The course focuses on the critical analysis of current environmental problems and the evaluation of alternatives and solutions that contribute to a sustainable world. This course satisfies the Social and Behavioral Sciences requirement for General Education.

FAMILY AND CONSUMER STUDIES (FAM &CS)

31 Marriage and Family Life (3) UC:CSU ‡

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course deals with the family as a social institution, its structure and functions, including historical changes, emerging patterns, and the influence of contemporary society and social forces that shape the family such as race, class, gender and sexuality. *Students may not earn credit for both FAM &CS 31 and Soc 12.*

921 Cooperative Education – Family and Consumer Studies (2) CSU

Family and Consumer Studies is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

FINANCE

2 Investments (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Analysis of stocks and bonds, mutual funds, real estate trusts, commodities and related investments. Functions and operations of the investment market.

8 Personal Finance and Investments (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Consists of lectures, discussions, and practice with regard to ones personal financial activities. Particular attention is given to consumer credit; life and property insurance; savings plans; taxes; retirement plans; estate transfer; securities and miscellaneous investments.

911-921-931-941 Cooperative Education - Finance (1-4) CSU

Finance is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

FIRE TECHNOLOGY (FIRETEK)

27 Wildland Firefighter (4) CSU RPT3

Prerequisite: None.

Lecture, 4 hours; Laboratory, 0.5 hours.

This course prepares the student for entry level jobs in Wildland Firefighting. It combines classroom instruction with hands-on training. A certificate of completion is awarded.

40 Fire Marshal Certification: Fire Prevention 1A (2.25) CSU

Prerequisite: None.

Lecture, 2.25 hours.

This course provides the student with knowledge on how to conduct basic fire prevention inspections. This is a first course in a series that leads to State Fire Marshal certification as Fire Prevention Officer.

41 Fire Marshal Certification: Fire Prevention 1B (2.25) CSU

Prerequisite: Firetek 40 with a grade of C or better.

Lecture, 2.25 hours.

This course provides the student with information on extinguishment systems, responsibility and authority for inspections, handling and storage of materials, and life safety considerations. This is the second course in a series that leads to State Fire Marshal certification as a Fire Prevention Officer.

60 State Fire Marshal: Command 1A (2.25) CSU

Prerequisite: None.

Lecture, 2.25 hours.

This course provides the student with an introduction to organizational structure and basic communication and leadership skills for fire personnel. This is the first course in a series that leads to the certified fire officer designation by the California State Fire Marshal.

61 Fire Marshal Certification: Command 1B (2.25) CSU

Prerequisite: Firetek 60 with a grade of C or better.

Lecture, 2.25 hours.

This course provides the student with information and direction for initial operations of multi-casualty, hazardous materials, and wildland fire incidents. This course is in a series that leads to the certified fire officer designation by the California State Fire Marshal.

96 Emergency Medical Technician I (8) CSU

Prerequisite: Students must present to the instructor either a BLS for the Healthcare Provider from the American Heart Association or CPR for the Professional Rescuer from the American Red Cross prior to the beginning of the class or no later than the first examination.

Lecture, 6 hours; Laboratory, 4 hours.

This course is designed to provide a basis for gaining EMT-Basic certification. Through adherence to the D.O.T. (Department of Transportation) Basic Life Support Curriculum, the student will be given the opportunity to develop the necessary knowledge, skills and abilities required to successfully pass the National Registry EMT-Basic certification examination. Upon successful completion of said certification examination, an EMT-Basic may gain employment and/or progress to paramedic training. With few exceptions, Fire Tech 96 is conducted at the basic life support level.

97 Emergency Medical Technician I-Refresher (2)

Prerequisite: Firetek 96 with a grade of C or better.

Lecture, 1.5 hours; laboratory 1.5 hours.

This is a refresher course for Emergency Medical Technician [EMT]- Basic. Refresher course includes adult, child, and infant CPR and obstructed airway maneuvers. Basic EMT skills will be reviewed and tested for competency. Recertification is mandated by the state every two years [24 hours].

201 Fire Protection Organization ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

An introduction to the fire service and fire protection; careers in fire departments and related fields. History of fire protection, fire loss causes, public and private protection services. Fire department organization, fire fighting tactics, fire prevention, tools, equipment, apparatus, alarm systems and water systems. This course includes field trips.

202 Fire Prevention Technology (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course introduces the concepts for making effective, complete and legal inspections by knowing fire prevention concepts. These concepts include history, organization, law, fire causes, procedures, techniques, enforcement and records. Hazards by occupancy, fire protection equipment, fire investigation, public education and special problems will be studied.

203 Fire Protection Equipment and Systems ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course is a study of portable fire extinguishing equipment and permanent systems such as sprinklers, CO₂, dry chemical and halon. Detection and alarm systems, explosion prevention, computer protection and special hazards will be covered. The installation, testing, maintenance and fire department use of these systems will be emphasized.

204 Building Construction for Fire Protection ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course will cover the fundamentals of building construction as they relate to fire prevention and suppression and the classification of building by type of construction and use. In the course an emphasis will be placed on fire protection features. This course is accepted as a lower division requirement toward a degree in Fire Protection Administration at CSULA.

205 Fire Behavior and Combustion (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers theory and fundamentals of how and why fires start, spread and are controlled; and in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents and fire control techniques.

206 Hazardous Materials ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers the identification and study of dangerous chemicals; organization for hazardous materials mitigation; and the company and incident commanders role in providing life safety for the public and the firefighter.

208 Fire Hydraulics ‡ (3)

Prerequisite: None.

Lecture, 3 hours.

This course provides a foundation of theoretical knowledge to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and solve water supply problems.

209 Fire Fighting Tactics and Strategy I ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers the use of manpower, equipment and apparatus on the fire ground. Methods or pre-fire plan, rescue, fire attack, control, salvage and overhaul. The application of these methods to structural, watershed, waterfront, oil, aircraft, and other types of fires. This course will include command functions. Field exercises will be held when possible.

213 Fire Investigation ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Students will differentiate between methods of determining point of origin, path of fire travel and fire causes. Students will recognize and preserve evidence, interview witnesses, understand arson laws, types of arson fires, be familiar with court testimony, reports and records.

217 Fire Apparatus ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers the principles of care, maintenance and operation of fire apparatus. The theory of internal combustion engines, power development and transmission, torque and horsepower, electrical, fuel and brake systems. Basic tune-up, trouble shooting, maintenance and lubrication. General discussion of pumps, aerial ladders and aerial platforms.

185 Directed Study - Fire Technology ‡ (1) CSU RPT2**285 Directed Study -****Fire Technology ‡ (2) CSU****385 Directed Study -****Fire Technology ‡ (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Fire Technology on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative Education - Fire Technology (1-4) CSU

Fire Technology is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

FRENCH

1 Elementary French I (5) UC:CSU

Prerequisite: None.

Lecture, 5 hours.

Emphasizes the fundamentals of French pronunciation, grammar, vocabulary, sentence structure, and idiomatic expressions; stresses the ability to understand read, write, and speak simple French; introduces cultural insights into French and Francophone worlds. Use of the language laboratory may be required. Basic computer knowledge required for interactive activities.

2 Elementary French II (5) UC:CSU

Prerequisite: French 1 or French 22 with a grade of C or better, or equivalent skill level.

Lecture, 5 hours.

Completes the study of elementary grammar. Includes the reading of simplified texts with continued emphasis on aural and written comprehension, oral expression, and the writing of simple French. Further study of French and Francophone cultures. Use of the language laboratory may be required. Basic computer skills required for accessing online activities.

3 Intermediate French I (5) UC:CSU ☉

Prerequisite: French 2 with a grade of C or better, or equivalent skill level.

Lecture, 5 hours.

A more intensive study of the language, including idiomatic expressions and irregular structures. Stress on fluency in oral expression and facility in writing. Extensive review of grammar and study of advanced grammatical concepts. Reading and discussion in French of literary and cultural short texts. Basic computer skills required for accessing online activities.

4 Intermediate French II ‡ (5) UC:CSU ☉

Prerequisite: French 3 with a grade of C or better, or equivalent skill level.

Lecture, 5 hours.

Further development of writing and communication skills through the study of representative French and Francophone literary works; focus is on analysis and discussion. Sustained study of grammar and vocabulary with emphasis on complex structures, stylistics and use of idiomatic expressions. Basic computer skills required for accessing online activities.

5 Advanced French I ‡ (5) UC:CSU ☉

Prerequisite: French 4 with a grade of C or better or equivalent skill level.

Lecture, 5 hours.

Continues the study of representative literary and cultural texts of different genres with emphasis on improving oral expression, comprehension, reading and textual analysis, and composition. Stresses oral and written reports within the context of French and Francophone literature and civilization. Basic computer skills required for accessing and performing online activities.

6 Advanced French II ‡ (5) UC:CSU

Prerequisite: French 5 with a grade of C or better or equivalent skill level.

Lecture, 5 hours.

Continues the study of French and Francophone literature, with readings from representative authors of different genres. Emphasis on improving oral expression, comprehension, reading and writing. Advanced composition, stylistics, and grammar. Oral and written reports within the context of literary and cultural analysis. Basic computer skills required for accessing and performing online activities.

8 Conversational French ‡ (2) RPT3 UC:CSU

Prerequisite: French 2 with a grade of C or better or equivalent skill level.

Lecture, 2 hours.

Practical conversational and improvement of conversational fluidity based on everyday experiences, current events, cinema, cultural topics and readings. Emphasis on use of idiomatic expressions and current usages. Training in pronunciation, enunciation, and vocabulary-building. Basic computers required for accessing online information. Not open to native speakers of French.

FRENCH 8 IS REPEATABLE BUT MAXIMUM UC CREDIT IS 4 UNITS.

10 French Civilization ‡ (3) UC:CSU

Prerequisite: None.

(Taught in English)

Lecture, 3 hours.

A study of the origins, growth, and development of French civilization in its many forms with special emphasis on modern France and Francophone and its literary movements, ideas, sciences and the arts. Designed as a humanities course for all college students. Recommended for French majors. Lectures and readings in English. Basic computer skills required for accessing online information.

21 Fundamentals of French I ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course is for absolute beginners.

Covers the first half of French 1. Introduction to the fundamentals of French pronunciation, grammar, vocabulary, sentence structure, and use of idiomatic expressions. Stresses the ability to understand, read, write, and speak simple French. Introduces cultural insights into French and Francophone worlds. Use of the language laboratory may be required. Basic computer knowledge required for interactive activities. French 21 + 22 are equivalent to French 1.

BOTH FRENCH 21 AND 22 MUST BE TAKEN FOR ANY UC CREDIT. MAXIMUM CREDIT FOR BOTH IS 5 UNITS.

22 Fundamentals of French II ‡ (3) UC:CSU

Prerequisite: French 21 with a grade of C or better.

Lecture, 3 hours.

Continuation of French 21. Covers the second half of French 1. Introduction to the fundamentals of French pronunciation, grammar, vocabulary, sentence structure, and idiomatic expressions. Stresses the ability to understand, read, write, and speak simple French. Introduces cultural insights into French and Francophone worlds. Use of the language lab may be required. Basic computer use required for online assignments. French 21 + 22 are equivalent to French 1. Recommended for those wishing to review before taking French 2.

BOTH FRENCH 21 AND 22 MUST BE TAKEN FOR ANY UC CREDIT. MAXIMUM CREDIT FOR BOTH IS 5 UNITS.

185 Directed Study - French (1) CSU RPT2

285 Directed Study - French (2) CSU

385 Directed Study - French (3) CSU

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in French on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative Education - French (1-4) CSU

French is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

GEOGRAPHY (GEOG)

1 Physical Geography (3) UC:CSU ☉

Prerequisite: None.

Lecture, 3 hours.

An introduction to the physical geography of the global environment and the interactions between atmosphere, oceans, land and life using the scientific method. Topics include earth-sun relations, weather and climate, soils, biogeography, landforms, plate tectonics, weathering, mass wasting and the transformation of the earth by human activities. The basics of maps, Geographic Information Systems, and other tools of geographic analysis are introduced. Optional field trips are offered.

2 Cultural Elements of Geography (3) UC:CSU ☉

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

An introduction to the physical geography of the global environment and the interactions between atmosphere, oceans, land and life using the scientific method. Topics include earth-sun relations, weather and climate, soils, biogeography, landforms, plate tectonics, weathering, mass wasting and the transformation of the earth by human activities. The basics of maps, Geographic Information Systems, and other tools of geographic analysis are introduced. Optional field trips are offered.

3 Introduction to Weather and Climate (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

An introduction to weather, climate and environment employing scientific method and observation. The course examines Earth's atmosphere, processes and phenomena and their impacts on humans and the global environment. Course topics include composition of the atmosphere, weather elements and controls, atmospheric processes, global circulation, storms, air pollution, global climate patterns and climate change, and techniques and tools for weather forecasting.

Students may not earn credit for both Geog 3 and Meteor 3.

9 People and the Earth's Ecosystem (3) UC:CSU

Prerequisites: None.

Lecture, 3 hours.

An overview of the global environment and an examination of the diversity of life and environments that make up our world. The course examines the role of humans in environmental transformation at local, regional and global levels including habitat destruction, introduced species, extinctions and climate change. Geographical case studies are explored that examine real world environmental challenges and solutions.

14 Geography of California ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course surveys the physical and cultural landscapes of California with emphasis on human-environment interaction and the natural, socio-political, economic and demographic forces that have shaped the state. The course deals with the history of the state, settlement and land-use patterns, economic activities, resource use, transportation and trade, as well as California's role in the new global economy. The political, economic, environmental and demographic challenges facing the state are also discussed. Optional field trips will be offered.

15 Physical Geography Laboratory (2) UC:CSU

Prerequisite: Geog 1 with a grade of C or better or concurrent enrollment.

Not open to students who have completed Geography 17.

Lecture, 1 hour; laboratory, 2 hours.

This laboratory course serves as an introduction to the scientific study of the physical environment including the tools of geography (maps, GIS/GPS, remote sensing and air photos). Topics include Earth-Sun relationships, elements of weather and climate, topographic map reading and imagery interpretation, biogeography, soils, and landform evolution by tectonic, erosional and depositional forces. Field trip options are provided.

17 Physical Geography and Laboratory (5) CSU

Prerequisite: None.

Lecture, 4 hours; laboratory, 2 hours.

This combined lecture-laboratory course introduces physical geography as a scientific discipline focused on the Earth system and human impacts on the natural environment. Topics include earth-sun relations, weather, climate, biogeography, maps and projections, plate tectonics, weathering, mass wasting and the action of water, ice and wind on landforms. Students are provided with opportunities to use geographic tools and instruments to capture, record, analyze and map data. Field trips are offered.

NOTE: Students may not earn credit in both Geography 1 and Geography 17.

30 Managing Natural Resources ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course focuses on natural resources and the critical analysis of the conflicting demands to use, conserve or preserve them. The course includes an exploration of where resources are located, the impacts of their extraction, as well as issues of supply and demand. The course examines sustainable resource management policies and practices, and the role of diverse stakeholders, including public, private and non-profit agencies in determining how resources are used and who has access. Topics include human impacts on natural processes and environments, public policy, environmental justice, urban sprawl, habitat destruction and sustainable development. Strong critical thinking and writing skills are recommended.

31 Introduction to Geographic Information Systems (3) CSU

Prerequisite: None.

Lecture, 3 hours.

An introduction to fundamentals of Geographic Information Systems (GIS) with hands-on computer practicum. Students are introduced to the basics of spatial analysis and cartographic principles (scales, coordinate systems, projections, cartographic design) through online exercises. Topics include best practices for mapping, acquisition and evaluation of data, spatial analysis techniques and applications of GIS/GPS technology in science, community, government, environment and business.

32 GIS Applications: ArcView (3) CSU

Prerequisite: None.

Recommended: Geog 31.

Lecture, 2 hours; laboratory, 2 hours.

A brief survey of GIS fundamentals, emphasizing hands-on experience using computer hardware and GIS software. Emphasis on vector-based data using and an introduction to hands-on work with raster-based data using Spatial Analysis modules. (Currently using ESRI's ArcGIS software: versions upgraded to maintain currency with industry software usage.)

36 Cartography and Base Map Development (3) CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

A hands-on, comprehensive look at GIS cartographic principles and practices, data acquisition methods, base map development (scanning, digitizing and coordinate geometry) and map production using ArcGIS software. The focus is on technologies and applications such as remote sensing data, GPS, satellite and aerial imagery. Field trips and lab work are included.

37 Introduction to Global Positioning Systems (GPS) (1) CSU

Prerequisite: None.

Lecture, 1 hour.

An introduction to Global Positioning Systems technology, terminology, equipment, and techniques. The course provides hands-on experience with a GPS unit in determining location, completing a traverse using a GPS unit and map, as well as collecting data to be used in production of a GIS-generated map.

40 GIS Internship (1) CSU

Prerequisite: None.

Laboratory, 2 hours.

A field study/internship in which students apply classroom instruction to real-world GIS projects in the community in a business, government or non-profit agency under the supervision of a faculty advisor. The short-term internship will include periodic meetings with the advisor, the completion of interim reports, and the presentation of a final report at the completion of the internship.

45 Food and Culture (3) CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A geographical overview of the role of food in culture and the development of civilization from a cultural perspective. The ecological, economic, social and political aspects of food production are discussed. The formation of regional cuisine is considered as well as food security, globalization of food production, over-fishing, food safety and other current issues. Optional field trips are included.

185 Directed Study - Geography (1) CSU RPT2**285 Directed Study - Geography (2) CSU****385 Directed Study - Geography (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Geography on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Geography (1-4) CSU

Geography is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

GEOLOGY**1 Physical Geology (3) UC:CSU**

Prerequisite: None.

Lecture, 3 hours.

Physical Geology is the study of the internal and external processes which shape the earth. Topics covered include plate tectonics, volcanism, earthquakes, mountain building, geologic structures, origin of rocks and minerals, and water and energy resources. A field trip is offered for this course.

6 Physical Geology Laboratory (2) UC:CSU

Corequisite: Geology 1.

Lecture, 1 hour; laboratory, 2 hours.

The Physical Geology Laboratory provides practical experience in identifying common rocks, minerals, landforms, geologic structures, and reading and interpreting geologic and topographic maps. Field trips to local areas of geologic interest are offered.

10 Introduction to Environmental Geology (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course examines how geologic processes and hazards influence human activities and the environment. The topics covered include geologic hazards such as earthquakes, volcanic eruptions, and tsunamis; mineral resources, groundwater, pollution, and current environmental and regulatory public policy planning. A field trip is offered for the course.

Students may not earn credit in both Geology 10 and Env Sci 7.

185 Directed Study - Geology (1) CSU RPT2**285 Directed Study - Geology (2) CSU****385 Directed Study - Geology (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Studies in various areas of geology.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Geology (1-4) CSU

Geology is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

GERMAN

1 Elementary German I (5) UC:CSU

Prerequisite: None.

Lecture, 5 hours.

The aim of this course is to develop the ability to understand, read, write, and speak simple German. Includes basic facts on the geography, customs, and cultures of German-speaking countries, German poems, songs, and simple, modern prose. Emphasis is on the spoken language. Use of the language lab is required.

2 Elementary German II (5) UC:CSU ☉

Prerequisite: German 1 with a grade of C or better, or equivalent skill level.

Lecture, 5 hours.

Completes the study of elementary grammar. Readings consist of selections dealing with German, Swiss and Austrian contributions in the arts, sciences and literature, further study of German civilization, and modern developments in Germany. Use of the language lab is required.

3 Intermediate German I ‡ (5) UC:CSU ☉

Prerequisite: German 2 with a grade of C or better, or equivalent skill level.

Lecture, 5 hours.

An introduction to short stories, plays and poetry in German. Grammar, review, vocabulary building, and use of idiomatic expressions. Emphasis on discussions in German of various topics of interest.

4 Intermediate German II ‡ (5) UC:CSU ☉

Prerequisite: German 3 with a grade of C or better, or equivalent skill level.

Lecture, 5 hours.

Reading in German, Swiss and Austrian literature. Special emphasis is given to oral discussions based on the readings. Further study in grammar, vocabulary building, and use of current idiomatic expressions.

5 Advanced German I ‡ (5) UC:CSU ☉

Prerequisite: German 4 with a grade of C or better or equivalent skill level.

Lecture, 5 hours.

Introduces the student to some of the important movements in German literature. Includes readings in prose and poetry from representative authors of German-speaking countries. Continues the development of linguistic skills through oral and written reports in German.

8 Conversational German ‡ (2) UC:CSU RPT3

Prerequisite: German 2 with a grade of C or better, or equivalent skill level.

Lecture, 2 hours.

Provides opportunities for practical conversation and improvement of conversational fluidity based on everyday experiences, current events, and cultural topics. Training in pronunciation, enunciation, and vocabulary-building.

GERMAN 8 IS REPEATABLE BUT MAXIMUM UC CREDIT IS 4 UNITS.

185 Directed Study - German (1) CSU RPT2

285 Directed Study - German (2) CSU

385 Directed Study - German (3) CSU

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in German on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative Education - German (1-4) CSU

German is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

HEALTH

3 Cardiopulmonary Resuscitation (1) CSU

Prerequisite: None

Lecture and directed practice, 1 hours, 5 weeks.

This course will teach students the steps to follow in a life-threatening emergency situation (i.e. no pulse, not breathing) using the American Red Cross Community CPR skills for the adult, child and infant.

11 Principles of Healthful Living (3) UC:CSU

(Credit given for only one of Health 9, 10 or 11.)

Prerequisite: None.

Recommended for Physical Education and Elementary Education majors.

Lecture, 3 hours.

This course offers concepts to use today and tomorrow as guidelines for self-directed responsible living. Emphasis is placed on relating health concepts to the individual's well-being in personal, community, vocational and leadership roles. Health topics cover the emotional and mental health, cardiovascular fitness, nutrition, chronic and communicable diseases, environmental health issues, and the life cycle.

12 Safety Education and First Aid (3) UC:CSU

Prerequisite: None

Lecture and directed practice, 3 hours.

This course will cover the American Red Cross First Aid Responding to Emergencies course. An American Red Cross certificate will be issued upon successful completion of all skills and the written exam.

185 Directed Study - Health (1) CSU RPT2

285 Directed Study - Health (2) CSU

385 Directed Study - Health (3) CSU

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Health Education on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative Education - Health (1-4) CSU

Health is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

HEBREW

1 Elementary Hebrew I ‡ (5) UC:CSU

(Same as Jewish Studies 11)

Prerequisite: None.

Lecture, 5 hours.

Fundamentals of the language, the essentials of grammar, practical vocabulary, useful phrases, and the ability to read, write and speak simple Hebrew. Emphasis is on the spoken language. Use of the language laboratory is required.

2 Elementary Hebrew II ‡ (5) UC:CSU*(Same as Jewish Studies 12)**Prerequisite: Hebrew 1 or Jewish 11 with a grade of C or better.***Lecture, 5 hours.**

Continues the presentation of grammatical forms, provides additional training in oral and written composition, and reading. Use of the language laboratory is required.

9 Hebrew Civilization I ‡ (3) UC:CSU*(Same as Jewish Studies 9)**Prerequisite: None.**(Taught in English)***Lecture, 3 hours.**

A study of the development of the Jewish self-understanding in relation to the intellectual climate of the environment, as expressed in the Biblical Age (ca. 2000 B.C.E. to ca. 300 B.C.E.).

10 Hebrew Civilization II ‡ (3) UC:CSU*(Same as Jewish Studies 10)**Prerequisite: None.**(Taught in English)***Lecture, 3 hours.**

Studies in specific problems and trends in the Jewish Heritage during the European and Modern Periods, Mysticism, Hasidism, Haskalah, Emancipation, Religious Movements, Zionism; the Holocaust and the state of Israel; educational, moral, and theological issues; Diaspora Jewry and non-Jewish relations; Ashkenazim and Sepharadim; the thought and manners of the time in an historical context.

185 Directed Study -**Hebrew (1) CSU RPT2****285 Directed Study - Hebrew (2) CSU****385 Directed Study - Hebrew (3) CSU***Prerequisite: None.***Conference, 1 hour per unit.**

Allow students to pursue Directed Study in Hebrew on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Hebrew (1-4) CSU

Hebrew is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

HISTORY

(For History, see also African-American Studies 4, 5; Chicano Studies 7, 8, 44.)

NOTE: State law imposes on all California State Universities certain graduation requirements in the areas of U.S. History, U.S. Constitution and state and local government. Courses meeting these requirements for the state universities are listed in the TRANSFER REQUIREMENTS sections of the college catalog.

If you took a U.S. History course outside of California, see a counselor to make certain you meet the California state and local government graduation requirements.

1 Introduction to Western Civilization I (3) UC:CSU ☼*Prerequisite: None.*

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A panoramic survey which traces the development of a distinctive European culture from its roots in the hunting societies of prehistoric human through the increasingly elaborate worlds of the Sumerians, the Egyptian pharaohs, and the Biblical peoples of the Middle East; the philosophers, artists, and warriors of classical Greece and Rome; and ends in 14th-century Europe - the world of saints and heretics, knights and peasants, philosophers and kings. Emphasizes the significance of this historical background to contemporary American culture.

2 Introduction to Western Civilization II (3) UC:CSU ☼*Prerequisite: None.*

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A continuation of History 1 from 1400 to the present. Traces the growth of Modern Europe, its 500-year domination of world history and the decline of its world supremacy in the 20th century. Includes the life and times of da Vinci and Luther; of Elizabeth I of England and Peter the Great of Russia; of the philosophers and revolutionaries of the 18th century; of the socialists and scientists of the 19th century; and of the dictators and reformers of the 20th century. Emphasizes its influence of Western Civilization on American culture.

5 History of the Americas I (3)**UC:CSU ☼***Prerequisite: None.*

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

History of the Americas from the European intrusion on the native cultures through the development of colonial life patterns to the achievement of independence of Latin America and the United States. Emphasis is placed on development and structure of the United States Constitution. This course fulfills the state graduation requirements in U.S. History and the U.S. Constitution.

6 History of the Americas II (3) UC:CSU*Prerequisite: None.*

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

History of the Americas from the Latin American wars of independence to the present, stressing Latin American development, inter-American relations, and constitutional patterns. Emphasis is placed on California constitutional and political processes in relating to the U.S. Constitution. This course fulfills the graduation requirement in California state and local government.

7 The Worlds Great Religions**(3) UC:CSU ☼***(Same as Philosophy 33)**Prerequisite: None.***Lecture, 3 hours.**

The historical development of the worlds great religions. A study is made of the origins and growth of major religions with an emphasis on the nature of religion and religion as a discipline of study.

MAXIMUM UC CREDIT FOR ANY COMBINATION OF HIST 7, 47, OR 48, IS TWO COURSES.

11 Political and Social History of the United States I (3) UC:CSU*Prerequisite: None.*

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A survey of the development of the United States from its discovery, placing emphasis upon the Colonial Experience, the American Revolution, the Constitution and the new government, the Civil War and Reconstruction. This course fulfills the state graduation requirement in U.S. History and the U.S. Constitution.

MAXIMUM UC CREDIT FOR ANY COMBINATION OF HISTORY 11, 17, OR 32 COMBINED IS ONE COURSE.

12 Political and Social History of the United States II (3) UC:CSU ☼

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A survey of the development of the United States from the Reconstruction period to the present, placing emphasis upon the emergence of modern urban industrial America and upon the relationship between the nation and the world. This course fulfills the state graduation requirement in U.S. History.

MAXIMUM UC CREDIT FOR ANY COMBINATION OF HISTORY 12, 13, OR 18 COMBINED IS ONE COURSE.

18 American Civilization II (3)

UC:CSU ☼

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A survey of the cultural development of American society from 1865 to the present with particular emphasis on social, intellectual and artistic trends. This course fulfills the state graduation requirement in U.S. History.

20 History of California and the Pacific Coast (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

History of California and the Pacific Coast from 1542 to the present with emphasis on Native, Spanish, and American cultures; political, economic, and social developments; and California's constitution, history and role in the American system. This course fulfills the state graduation requirement in California state and local government.

29 Asian Civilization: The Middle East ‡ (3) UC:CSU ☼

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

An introductory survey of the modern Middle East emphasizing Islamic culture and its political and social development. The course deals with the life and teachings of Muhammad, development of the Islamic faith, complexities within Islamic society, and relationships of the Islamic world with the West.

49 Religion in America ‡ (3) UC:CSU ☼

Prerequisite: None.

Lecture, 3 hours.

Surveys the variety of religious expression since the colonial period, from Native American to New Age.

86 Introduction to World Civilization I (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

Traces the development and relationships of major world civilizations, their traditions and contributions, from earliest times to the era of European expansion in the sixteenth century.

911-921-931-941 Cooperative Education - History (1-4) CSU

History is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

HUMANITIES (HUMAN)

Courses in the Humanities are those which study the cultural activities and artistic expressions of human beings. For inclusion in the general education requirement in the Humanities, a course should help the student develop an awareness of the ways in which people throughout the ages and of different cultures have responded to themselves and the world around them in artistic and cultural creativity, and help the student develop aesthetic understanding and an ability to make value judgments. Such courses could include introductory or integrative courses in the arts, foreign languages, literature, philosophy and religion.

1 Cultural Patterns of Western Civilization (3) UC:CSU ☼

Prerequisite: None.

Lecture, 3 hours.

An introduction to the general concepts of the Humanities. Mythology, music, history, philosophy, painting, drama, sculpture and architecture are studied and compared in relation to their background, medium, organization and style. The course surveys in depth the classical heritage of Greece and Rome. Emphasis is placed upon the awareness of the cultural heritage, values and perspectives as revealed in the arts.

2 Studies in Selected Cultures ‡ (3) UC:CSU RPT1

Prerequisite: None.

Lecture, 3 hours.

A study in some depth of a particular period or tradition, such as Imperial China, the Middle Ages, Renaissance, Victorian England, the Age of Reason and others. Historical background, key personalities, contribution and significance within the various arts and sciences.

3 The Arts of Contemporary Society ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

A cultural survey which includes a study of the literature, philosophy, music, painting, architecture and sculpture of the 18th, 19th and early 20th centuries in western Europe and North America, in terms of the ideas and basic needs which stimulated the artists and thinkers and the contributions of their work toward the development of contemporary society.

6 Great People, Great Ages ‡ (3) UC:CSU RPT1

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A cultural survey of the lives and contributions of selected individuals such as Martin Luther, Louis XIV and others whose impact helped shape the eras in which they lived. The course will explore both the lives and eras with an appreciation of both their historical importance and their individual contributions to our cultural heritage.

HUMANITIES 6 IS REPEATABLE BUT MAXIMUM UC CREDIT IS 3 UNITS.

8 Great Women, Great Eras ‡ (3) UC:CSU RPT1

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A cultural survey of the lives and contributions of selected individuals such as Hatshepsut, Elizabeth I, Madame Curie, Virginia Woolf and others whose impact helped to shape the eras in which they lived. This course will explore both the lives and eras with an appreciation of both their historical importance and their individual contributions to our cultural heritage.

HUMANITIES 8 IS REPEATABLE BUT MAXIMUM UC CREDIT IS 3 UNITS.

30 The Beginnings of Civilization (3) UC:CSU ☉

Prerequisite: None.

Lecture, 3 hours.

A survey of man's cultural heritage from prehistoric times to the early civilizations of Sumeria, Babylonia, Assyria and Egypt. Emphasis will be placed on the arts, literature, religion, cultural traditions and contributions made by these civilizations to man's historical and cultural heritage.

31 People in Contemporary Society ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

A study in some depth of cultural history from the Industrial Revolution to the present. The approach is interdisciplinary, involving art, music, literature, drama, philosophy and history. The emphasis is upon the evolutionary development which has influenced and shaped modern culture.

90 The Hero and Heroine Through Film Over the Ages (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

A cultural survey of heroes and heroines through the use of film. A collection of movies depicting the Ancient World, the Middle Ages, the Renaissance, and the Modern Era will be shown and critiqued through the semester. Themes of the movies will reflect real or imaginary people who have made an impact on history. The course will give an appreciation through films of various eras and how film and subject matter have changed culture over time.

INSURANCE

(See Finance)

INTERNATIONAL BUSINESS (INTBUS)

1 International Trade (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This introductory course in the field of foreign commerce deals with the relation of foreign trade to domestic trade. The course surveys the operation of an import and export business, including organization, marking, terminology, documents, financial procedures, credits and collection and communications. The basic principles and practices of world trade are studied.

ITALIAN

1 Elementary Italian I (5) UC:CSU

Prerequisite: None.

Lecture, 5 hours.

Emphasizes the fundamentals of pronunciation, grammar, practical vocabulary, useful phrases and sentence structure; stresses the ability to understand, read, write, and speak simple Italian. Introduces basic facts on the geography, customs, and culture of the Italian and Italian-speaking world. Focus is on the spoken language.

2 Elementary Italian II (5) UC:CSU

Prerequisite: Italian 1 with grade of C or better, or equivalent skill level.

Lecture, 5 hours.

Completes the elementary grammar. It includes the reading of simplified texts and further study of Italian civilization. Emphasis is on the spoken language and oral expression. Use of the language laboratory is required.

3 Intermediate Italian I ‡ (5) UC:CSU ☉

Prerequisite: Italian 2 with grade of C or better, or equivalent skill level.

Lecture, 5 hours.

A review of Italian grammar with special emphasis on idiomatic construction and expressions. Oral discussions and conversation are based on selected readings from contemporary Italian writing.

4 Intermediate Italian II ‡ (5) UC:CSU ☉

Prerequisite: Italian 3 with grade of C or better or equivalent skill level.

Lecture, 5 hours.

Stresses the reading and oral discussion of modern Italian short stories. Special emphasis is given to oral discussions based on the readings. Further study in grammar with the use of current idiomatic expressions.

5 Advanced Italian I ‡ (5) UC:CSU ☉

Prerequisite: Italian 4 with a grade of C or better or equivalent skill level.

Lecture, 5 hours.

Introduces the student to some of the important movements of Italian literature. Includes readings in prose and poetry from representative authors of Italian literature. Continues the study of grammar, writing, and oral expression through oral and written reports in Italian.

8 Conversational Italian ‡ (2) UC:CSU RPT3

Prerequisite: Italian 2 with a grade of C or better or equivalent skill level.

Lecture, 2 hours.

Provides opportunities for conversation on current events, cultural materials and everyday topics. Emphasis is placed on idiomatic expressions. Training in pronunciation, enunciation and vocabulary building.

ITALIAN 8 IS REPEATABLE BUT MAXIMUM UC CREDIT IS 4 UNITS.

185 Directed Study - Italian (1) CSU RPT2

285 Directed Study - Italian (2) CSU 385 Directed Study - Italian (3) CSU

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Italian on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Italian (1-4) CSU

Italian is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

JEWISH STUDIES (JEWISH)

(For Jewish Studies see also Hebrew)

1 The Jew in America ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

A historical analysis of the Jews in the United States which discusses the essentially social and psychological problems of Jewish group identity. Much of the course concerns itself with the contemporary scene; the Jewish religious minority in America and its revival, the reasons for it, and the extent to which it expresses religious and spiritual impulses as well as social needs. The contribution of the successive waves of Jewish immigration to this country and western civilization in general is evaluated.

2 The Jewish Religious Heritage ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

Comprises an exploration of the major teachings of Judaism. A brief historical background dealing with the development of Judaism is related to an exposition of its central affirmations. The goal is to familiarize the student with what the Jewish religious tradition regards to be its essential genius and also to provide an opportunity for an appreciation of the similarities and differences between Judaism and the other major religious groups of American culture. Among the topics to be discussed are the following: (A) The shape of faith: God, man, rites of passage, Jewish festivals, community; (B) The dynamics of faith: religious commitment and social problems, contemporary values, the present state of Jewish belief.

4 Israel: The Theory and Practice of Zionism ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

Consists of a general survey of the historical development of the area with an emphasis upon the social and political development of the state of Israel. The social and political institutions of the state of Israel will be analyzed along with a general study of the geographic, economic, ethnic and religious composition of the land of Israel. A general study will be made of the ideological and historical background of the Zionist movement as well as a general survey of the origins of the Palestinian national movement.

9 Hebrew Civilization I ‡ (3) UC:CSU

(Same as Hebrew 9)

Prerequisite: None.

Lecture, 3 hours.

A study of the development of the Jewish self-understanding in relation to the intellectual climate of the environment, as expressed in the Biblical Age (ca. 3000 B.C.E. to ca. 300 B.C.E.).

10 Hebrew Civilization II ‡ (3) UC:CSU

(Same as Hebrew 10)

Prerequisite: None.

Lecture, 3 hours.

Studies in specific problems and trends in the Jewish Heritage during the European and Modern Periods, Mysticism, Hasidism, Haskalah, Emancipation, Religious Movements, Zionism; the Holocaust and the state of Israel; educational, moral, and theological issues; Diaspora Jewry and non-Jewish relations; Ashkenazim and Sepharadim; the thought and manners of the time in an historical context.

11 Elementary Hebrew I ‡ (5) UC:CSU

(Same as Hebrew 1)

Prerequisite: None.

Lecture, 5 hours.

Fundamentals of the language, the essentials of grammar, practical vocabulary, useful phrases, and the ability to read, write and speak simple Hebrew. Emphasis is on the spoken language. Use of the language laboratory is required.

12 Elementary Hebrew II ‡ (5) UC:CSU

(Same as Hebrew 2)

Prerequisite: Jewish 11 or Hebrew 1 with a grade of C or better or equivalent skill level.

Lecture, 5 hours.

Continues the presentation of grammatical forms, provides additional training in oral and written composition, and reading. Use of the language laboratory is required.

25 The History of the Jewish People ‡ (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

Traces the development of the Jews from their origins in Mesopotamia to the present day. It follows and describes the experiences of the Jewish people in all parts of the world and in all important countries. It analyzes their outlook and philosophy, their habits and customs, their values and ideals.

27 Holocaust: A Prototype of Genocide ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

The course describes pre-World War II Europe, emphasizes the nature of Hitler's Nazi-movement in Germany, reviews the war years and program of genocide against the Jewish people of Nazi-occupied Europe, and considers reasons for the Holocaust, roles of the perpetrators and victims, and results.

35 Judaism, Christianity, and Islam ‡ (3) UC:CSU

(Same as Philosophy 35.)

Prerequisite: None.

Lecture, 3 hours.

A scholarly study of religion that explains the basic structure of religious belief and practice. It examines the cultural history and social aspects which influenced and shaped the growth and development of the western religions in order to encourage a desire to understand as a means of overcoming the destructive exchanges that frequently accompany religious discussion.

911-921-931-941 Cooperative Education - Jewish Studies (1-4) CSU

Jewish Studies is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

JOURNALISM (JOURNAL)

101 Collecting and Writing News (3) CSU

Prerequisite: None.

Required of all newspaper and photo-journalism majors. Journalism 101 or 106 required of all magazine journalism majors.

Lecture, 3 hours.

This introductory course stresses instruction in the gathering of information and in its presentation. Extensive writing experience is emphasized. Critical evaluation of news reporting includes instruction and practice in the avoidance of faulty interpretation of facts, in the critical presentation of information, and in the recognition of propaganda appeals and libel. Newspaper, radio, and television news are surveyed. Adherence to writing style and standards of the profession are emphasized.

105 Mass Communications (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This introductory survey course examines the major aspects of the electronic and print media. Students will survey newspapers, magazines, film, radio and television. New media such as the world wide web will also be discussed. A historical perspective is taken, showing the chronological development of each of these media. Their sociological and psychological impact on society at different periods of time from their origin to the present also is analyzed.

106 Mechanics of Expression (3) CSU

Prerequisite: None.

Required of all newspaper journalism majors. Journalism 101 or 106 required of all magazine journalism majors.

Lecture, 3 hours.

Provides thorough instruction in grammar, punctuation, capitalization and word usage. Concentrates on critical analysis and application of the interaction and relationship of words, phrases, and clauses in the correct and effective expression and transference of thoughts in written English. Emphasizes journalistic style and copy editing techniques.

108 Article Writing (3) CSU

Prerequisite: None.

Required of all magazine journalism majors.

Lecture, 3 hours.

A course for journalism majors, freelance writers and anyone who wants to learn to write materials for magazines. Emphasis is placed on writing articles features, editorials, or reviews suitable for publication. Students also receive practice in editing and the use of illustrations.

202 Advanced Newswriting (3) CSU

Prerequisite: Journalism 101 with grade of C or better.

Required of all newspaper journalism majors.

Lecture, 3 hours.

This course provides the student with advanced principles and practice in writing specialized types of newspaper stories and increases the mastery of fundamental reporting techniques. Interpretive writing skills, editorial writing and feature writing techniques are included.

218 Practical Editing (3) CSU RPT3

Prerequisite: Journal 202 with grade of C or better.

Required of all newspaper journalism majors.

Lecture, 1 hour; laboratory, 6 hours.

Practical instruction and practice in writing and editing the campus newspaper. Editions are evaluated in regularly scheduled class meetings.

220 Magazine Editing ‡ (3) CSU RPT3

Prerequisite: Journal 101 or 108 with a grade of C or better.

Required of all magazine journalism majors.

Lecture, 2 hours; laboratory, 3 hours.

Practical instruction and practice for writing and producing the campus magazine. Magazine design and layout creativity are stressed. Writing and editing of copy, page design, preparing photographs, illustrations and other materials for publishing are practiced.

185 Directed Study - Journalism (1) CSU RPT2**285 Directed Study - Journalism (2) CSU****385 Directed Study - Journalism (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Journalism on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative Education - Journalism (1-4) CSU

Journalism is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

LAW

(For Law, see also Business and Real Estate)

1 Business Law I (3) UC:CSU

(Same as Business 5)

Prerequisite: None.

Lecture, 3 hours.

Essentials of the law of contracts in its application to everyday problems pertaining to business and to the individual. Elementary safeguards regarding sales and sales contracts. Case discussion and lecture method.

MAXIMUM UC CREDIT FOR ANY COMBINATION OF BUS 5, 6, LAW 1, OR LAW 2 IS ONE COURSE.

2 Business Law II (3) UC:CSU

(Law 2 may be taken before Law 1)

(Same as Business 6)

Prerequisite: None.

Lecture, 3 hours.

Essentials of the law of agency, partnerships, corporations, property, bailments, and commercial paper. Case discussion and lecture method.

MAXIMUM UC CREDIT FOR ANY COMBINATION OF BUS 5, 6, LAW 1, OR LAW 2 IS ONE COURSE.

3 Civil Rights and the Law (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

An introduction to Constitutional Law, involving the comparative and analytical study of the law and related problems concerning Civil Rights. Due process of law, freedom of expression, freedom of religion, racial equality and democratic processes are the topics under consideration, with emphasis on recent court decisions.

911-921-931-941 Cooperative Education - Law (1-4) CSU

Law is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

LEARNING SKILLS (LRNSKIL)**1ABC Reading (3) NDA RPT3**

Prerequisite: None.

This course is offered on a Pass/No Pass basis only.

Laboratory, 9 hours.

Students receive group and individualized instruction in reading comprehension including searching for main ideas, minor ideas and central themes. Basic dictionary skills and word retention are covered. Root words and context clues, synonyms, homonyms, and homophones are learned. Students evaluate forms of language such as figurative, fiction and poetry. This course is offered in three 1-unit modules.

2ABC English Fundamentals (3) NDA RPT3

Prerequisite: None.

This course is offered on a Pass/No Pass basis only.

Laboratory, 9 hours.

Students receive group and individualized English instruction with emphasis on grammar, punctuation, sentences, paragraphs, and essays. Areas to be covered include, word order, verb tense, and paragraph and essay structure. This course is offered in three 1-unit modules.

10ABC Mathematics Fundamentals (3) NDA RPT3

Prerequisite: None.

This course is offered on a Pass/No Pass basis only.

Lecture, 1 hour; Laboratory, 4 hours.

Students receive specialized instruction in math fundamentals including, addition, subtraction, multiplication, division of whole numbers; addition, subtraction, multiplication, and division of fractions, decimals, and percents; conversion of measurements in both English and Metric systems; area, perimeter, and volume; word problems, and a preview of Algebra and Geometry. This course is offered in three-1 unit modules.

13 Learning Skills in English as a Second Language (1) NDA

Prerequisite: None.

Laboratory, 3 hours.

Students receive group and individualized instruction in English with an emphasis on reading, vocabulary, grammar, punctuation, listening and speaking skills. This course is offered on a Pass/No Pass basis only.

28 General Tutoring Strategies (0.5)

Prerequisite: None.

Lecture, 0.5 hour.

This course trains new tutors in theory and practice in tutoring techniques, group dynamics, interpersonal skills, study skills, learning styles, compliance issues and record keeping. Tutors will be trained to work with subject specific textbooks, self-instructional materials and will tutor students enrolled in Supervised Learning Assistance.

40 Introduction to Learning Disabilities (1) NDA RPT3

Prerequisite: None.

Students should obtain add cards from the Services for Students with Disabilities Office.

Pass/No Pass only.

Laboratory, 2 hours.

Individualized diagnostic assessment processes are administered. Students with learning disabilities identify strengths and weaknesses in achievement and learning skills. Individual educational plans are developed outlining goals, objectives, strategies, and recommendations.

41 Study Strategies for the Learning Disabled (3) NDA RPT2

Prerequisite: None.

Class is designed for students with disabilities.

Lecture, 3 hours.

Students with identified learning disabilities are taught skills and compensatory strategies for successful completion of educational goals. This course will help students with identified learning disabilities to develop strategies to cope with the demands of the classroom environment. Such strategies include time management, note taking, listening and reading comprehension skills.

43 Adaptive Word Processing Operations(1) NDA RPT2

Prerequisite: None.

Class is designed for students with disabilities.

Students should obtain add cards from the Services for Students with Disabilities Office.

Pass/No Pass only.

Laboratory, 3 hours.

Designed for eligible students with verified disabilities, this class provides individual assessment and training in the use of word computers with adaptive hardware and software for students with disability-related educational limitations that warrant this accommodation. The type of equipment and/or programs and the extent of the training will depend on the student's disability, academic and vocational goals, and individual disability-related educational limitations.

44 Adaptive Computer Operations (1) NDA RPT3

Prerequisite: None.

Class is designed for students with disabilities.

Students should obtain add cards from the Services for Students with Disabilities Office.

Pass/No Pass only.

Laboratory, 2 hours.

Designed for eligible students with verified disabilities; this class provides individual assessment of adaptive computer needs of student based upon disability-related educational limitations. The type of equipment and/or programs and the extent of training will depend on the student's disability, professional assessment, and academic and vocational goals.

185 Directed Study – Learning Skills (1) NDA RPT2

Prerequisite: None. Pass/No Pass only.

Conference, 1 hour.

This course is designed for students with disabilities and consists of Directed Study in Learning Skills on a contract basis under the supervision of instructor.

LIBRARY SCIENCE (LIB SCI)**101 Library Research Methods (1) UC:CSU**

Prerequisite: None.

Lecture, 1 hour.

An introduction to research methods and library organization. Instructs students in the use of reference materials, book classification systems, the online catalog and specialized print and electronic resources. Focus is placed upon learning techniques of preparing a research paper.

LINGUISTICS (LING)**1 Introduction to Language and Linguistics ‡ (3) UC:CSU**

Prerequisite: None.

Lecture, 3 hours.

Summary of what is known about human language: an introduction to the scientific study of language, its history and structure; language in its social and cultural setting; language, the learning tool.

Students may not get credit for both Ling 1 and English 105.

MACHINE SHOP-CNC (MSCNC)**114 Print Interpretation and Sketching (Blueprint I) (3)**

Prerequisite: None.

Lecture, 3 hours.

A course in understanding the fundamental principles and practices of blueprint reading which includes a study of standard symbols and their applications with emphasis on interpreting a variety of mechanical drawings in the major technical fields.

124 Print Interpretation and Inspection (Blueprint II) (3)

Prerequisite: None.

Lecture, 3 hours.

Multi-view, assembly and detail prints are studied in this course. Advanced terminology including geometric dimensioning and tolerancing and true position is stressed. Basic Inspection processes are covered.

MANAGEMENT (MGMT)**1 Principles of Management (3) CSU**

Prerequisite: None.

Lecture, 3 hours.

This is an introductory course on the principles of management. The course provides a detailed analysis of management functions: planning, including business environment, strategies, objectives, policies, methods, and procedures; organizing, including authority, responsibility, and organizational structure; directing, including leadership, motivation, communication, and team dynamics; and, controlling, including performance measurement, standards, operations, and action implementation.

NO UC CREDIT FOR MGMT 1 AFTER SUMMER 1995.

13 Small Business Entrepreneurship (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course provides a systematic approach to developing and operating a successful small business. The areas of study include: personal qualifications for starting and managing a small business, determining the market opportunity, legal procedures, planning and marketing the business, location factors, capital requirements, protective factors to provide for risk, and personnel management. Students gain experience through the development of a business plan.

31 Human Relations for Employees (3) CSU

Prerequisite: None.

Lecture, 3 hours.

The practical applications of psychological and sociological principles to the study of human relations in business and industry.

48 Management Systems and Procedures ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course presents an introduction to systems and procedures aspects of modern management, particularly to more efficient paperwork; relation to organization and management; barriers to procedure improvement, systems and procedure analysis, charting, work simplification, forms design and control, work measurement, project evaluation and review techniques, and computer systems, selling and installing a system.

911-921-931-941 Cooperative Education - Management (1-4) CSU

Management is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

MARKETING (MARKET)

1 Principles of Selling ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Examine the fundamental principles of selling with emphasis on techniques; such as securing prospects, the approach, the demonstration, the handling of objections, and the close. An analysis is made of the opportunities in selling, product knowledge, and the salesperson's personality.

11 Fundamentals of Advertising ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course provides a business approach to the principles and practices of advertising including studies of its history, economic impact, selection of media, campaign management, the mechanics of advertising such as layout, copy, appeals and the production of electronic media commercials.

21 Principles of Marketing ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course provides an extensive study of concepts and strategies on which the field of marketing is based. Emphasis will be on product, place, promotion and pricing decisions. Additional topics are sales forecasting, domestic and international markets; personal selling, marketing legislation and the environmental factors that impact marketing.

31 Retail Merchandising ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course provides a systematic approach to the principles and procedures of retailing, including a study of store location, store layout, store organization, buying, pricing, stock planning, and the retail communication mix.

185 Directed Study - Marketing (1) CSU RPT2

285 Directed Study - Marketing (2) CSU

385 Directed Study - Marketing (2) CSU

Prerequisite: None.

Conference, 1 hour per unit.

Directed Study allows selected students to pursue specific projects (departmentally approved) under the direction of a supervising instructor. The student will be examining topics related specifically to that individual's training, education and interest. *Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.*

911-921-931-941 Cooperative Education - Marketing (1-4) CSU

Marketing is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

MATHEMATICS (MATH)

MATHEMATICS PLACEMENT TEST:

Every student planning to enroll in a mathematics course for the first time at Valley College is expected to take the Mathematics Assessment. Upon completing the assessment students are advised of their recommended placement and are then allowed to enroll in that course.

Contact the Assessment Center for hours (818) 947-2587.

NOTE: Students are advised to consult counselors or the mathematics faculty if in doubt about prerequisites.

105 Arithmetic (3) NDA

Prerequisite: None.

Lecture, 3 hours.

The course covers the fundamentals of arithmetic that are essential to continuing in any field. Topics include operations on whole numbers, fractions, decimals, and integers; order of operations; ratios, proportions, percents, and applications; perimeter, area, and volume applications; metric and English conversions.

110 Introduction to Algebraic Concepts (5) NDA

Prerequisite: None.

Lecture, 5 hours.

The course covers the fundamentals of arithmetic through beginning algebra skills that are essential for Elementary Algebra. Topics include operations on whole numbers, fractions, decimals, and integers; order of operations; ratios, proportions, percents, and applications; perimeter, area, and volume applications; metric and English conversions; and simple algebraic expressions and equations. Basic word problems that embody these concepts are included throughout the course.

112 Prealgebra (3) NDA

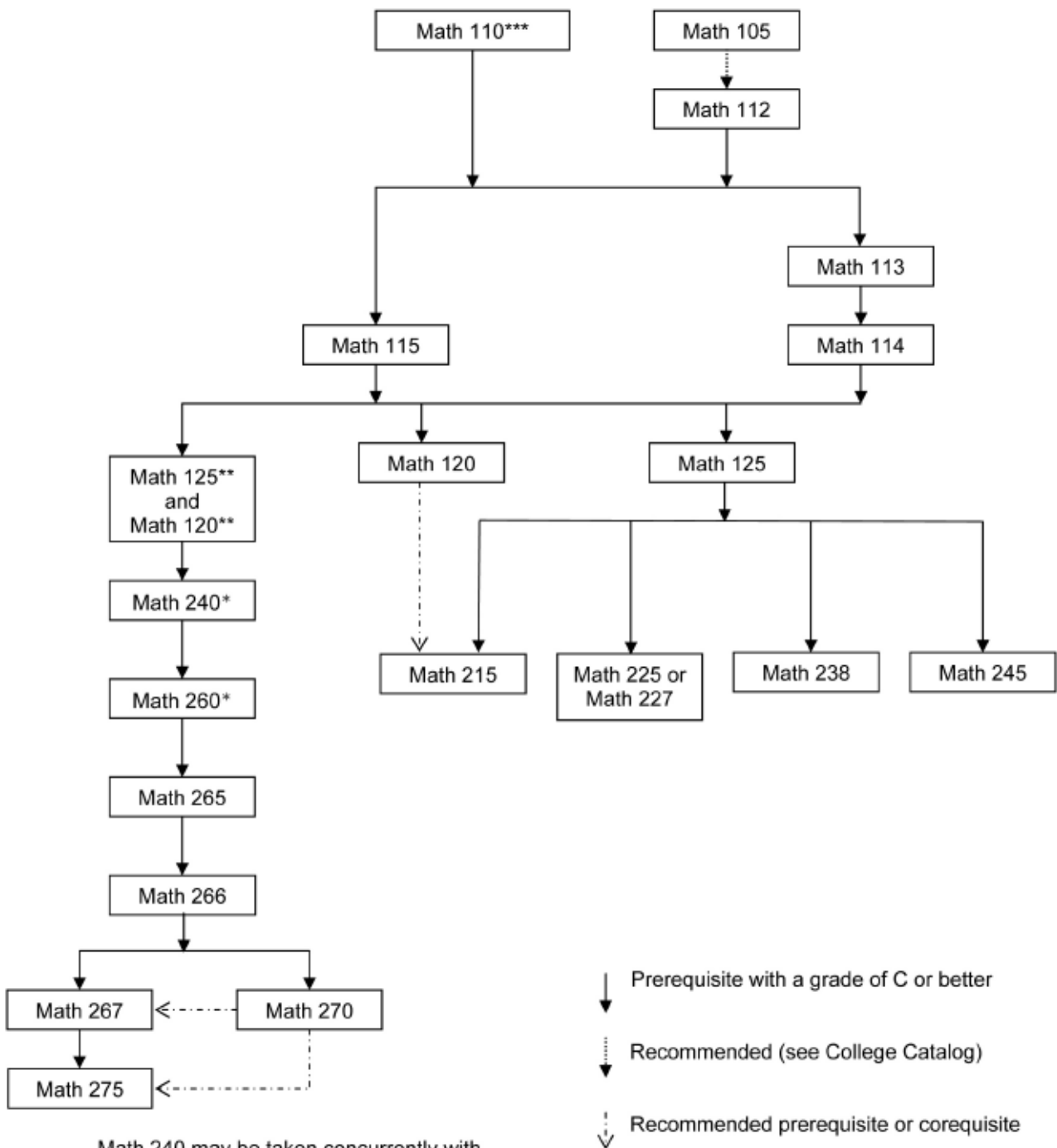
Prerequisite: None.

Recommended: A grade of C or better in Math 105, or appropriate skill level demonstrated through the math placement process.

Lecture, 3 hours.

A review of the fundamentals of arithmetic. The course covers the beginning algebra skills that are essential for Elementary Algebra. Topics covered include Integers, Simple Algebraic Expressions and Equations, Basic Geometry, Fractions, Decimals, Order of Operations, Ratio, Proportion, and Percent. Basic word problems that embody these concepts are included throughout the course. Negative numbers are used throughout the course.

Math Course Sequence



- * Math 240 may be taken concurrently with Math 260
- ** Math 120 and Math 125 do not need to be taken in the same semester
- *** Students successfully completing Math 110 are strongly encouraged to enroll in Math 115

113 Elementary Algebra A (3)

Prerequisite: Math 112 or Math 110 with grades of C or better, or appropriate skill level demonstrated through the math placement process.

Lecture, 3 hours.

The first half of Math 115. The course covers integer exponents, polynomials, solving linear equations and inequalities, and factoring. Math 113 and 114 together are equivalent to Math 115. Credit is allowed in only one of Math 115 or the Math 113/114 combination. Concurrent enrollment in Math 113 and 114 is not permitted.

114 Elementary Algebra B (3)

Prerequisite: Math 113 with a grade of C or better.

Lecture, 3 hours.

The second half of Math 115. The course reviews factoring, and covers rational expressions, introduction to graphing linear equations in two variables, solving systems of linear equations, roots and index 2 radicals, and methods of solving quadratic equations. Math 113 and 114 together are equivalent to Math 115. Credit is allowed in only one of Math 115 or the Math 113/114 combination. Concurrent enrollment in Math 113 and 114 is not permitted.

115 Elementary Algebra (5)

Prerequisite: Math 112 or Math 110 with grades of C or better, or appropriate skill level demonstrated through the math placement process.

Lecture, 5 hours.

The course covers the real numbers and their properties; evaluating and simplifying algebraic expressions; rules of positive integer exponents; fundamental operations on polynomial, rational, and radical (index 2) expressions; polynomial factoring; solving linear, quadratic, and special polynomial equations; solving rational and radical equations; graphing a linear equation in two variables; solving a system of two linear equations in two variables; setting up and solving a variety of word problems.

120 Plane Geometry (5)

Prerequisite: Math 113 and Math 114 with grades of C or better, or Math 115 with a grade of C or better, or appropriate skill level demonstrated through the math placement process.

Lecture, 5 hours.

The course covers properties of points, lines, angles, triangles, quadrilaterals, circles, and other polygons. Emphasizes is placed on logical reasoning and methods of proof, especially deductive reasoning.

125 Intermediate Algebra (5)

Prerequisite: Math 113 and Math 114 with grades of C or better, or Math 115 with a grade of C or better, or appropriate skill level demonstrated through the math placement process.

Lecture, 5 hours.

This course reviews concepts learned in Math 115 and applies them to more complicated problems; also covers inequalities, absolute values, relations and functions, conic sections, exponential and logarithmic functions.

215 Principles of Mathematics I (3) UC:CSU

Prerequisite: Math 125 with a grade of C or better, or appropriate skill level demonstrated through the math placement process.

Recommended: Math 120.

Lecture, 3 hours.

A course designed primarily for students who plan to teach in elementary schools. The course covers the language of sets; elementary logic; systems of numeration; nature of numbers; fundamental operations, relations and functions; integers; rational and real numbers; and various algorithms used in calculations.

UC CREDIT FOR MATH 215 EFFECTIVE FALL 1994.

225 Introductory Statistics (3) UC:CSU

Prerequisite: Math 125 with a grade of C or better, or appropriate skill level demonstrated through the math placement process.

Lecture, 3 hours.

Topics include measures of central tendency, measures of dispersion, graphical techniques, measures of relative position, probability, hypothesis testing, sampling, estimation, correlation, prediction, linear regression, collection and analysis of data and how inferences about a population are made from samples. Identifying, understanding strengths and weaknesses of different experiment designs, knowing the important characteristics of a controlled experiment.

MATH 225 AND STAT 1 COMBINED, MAXIMUM UC CREDIT, ONE COURSE.

227 Statistics (4) UC:CSU

Prerequisite: Math 125 with a grade of C or better, or appropriate skill level demonstrated through the math placement process.

Lecture, 4 hours.

This course uses technology to analyze data. Topics include measures of central tendency, measures of dispersion, graphical techniques, measures of relative position, probability, hypothesis testing, sampling, estimation, correlation, prediction, linear regression, collection and analysis of data and how inferences about a population are made from samples. Identifying, understanding strengths and weaknesses of different experiment designs, knowing the important characteristics of a controlled experiment.

238 Calculus for Business and Social Science I (5) UC:CSU

Prerequisite: Math 125 with a grade of C or better or appropriate skill level demonstrated through the math placement process.

Lecture, 5 hours.

Covers the following topics and their applications: algebra review; functions; polynomial, rational, exponential, and logarithmic functions; differentiation and integration; the definite integral.

240 Trigonometry (3) CSU

Prerequisite: Math 120 and Math 125 with grades of C, or appropriate skill level demonstrated through the math placement process.

Lecture, 3 hours.

Covers trigonometric and inverse trigonometric functions: solving triangles, proving trigonometric identities, solving trigonometric equations, complex numbers including De Moivre's theorem, polar coordinates and graphing polar equations.

245 College Algebra (3) UC:CSU

Prerequisite: Math 125 with a grade of C or better, or appropriate skill level demonstrated through the math placement process.

Lecture, 3 hours.

The course covers: simplification of calculus-type expressions; graphs of polynomial and rational functions; root finding; types and graphs of basic functions including piecewise defined functions; graphing techniques involving translations, reflections, shrinking/stretching; analysis and graphs of conic sections; modeling of calculus-type word problems; exponential and logarithmic functions; sequences and series; and the Binomial Theorem.

MATH 245 COMBINED WITH MATH 260, MAXIMUM UC CREDIT IS 4 UNITS.

259 Precalculus with Trigonometry (6) CSU

Prerequisite: Math 120 and Math 125 with grades of C or better, or appropriate skill level demonstrated through the math placement process.

Lecture, 6 hours.

A precalculus course in college algebra, trigonometry, analytic geometry, functions, theory of equations, mathematical induction, sequences and series, binomial theorem, inequalities, matrices, polar coordinates, exponential, logarithmic, and trigonometric functions, and graphing polynomial, rational, and transcendental functions and conic sections.

260 Precalculus (5) UC:CSU ❖

Prerequisite: Math 240 with a grade of C or better, or concurrent enrollment; or appropriate skill level demonstrated through the math placement process.

Lecture, 5 hours.

A precalculus course in college algebra, analytic geometry, functions, theory of equations, induction, sequences and series, binomial theorem, inequalities, matrices, polar coordinates, exponential, logarithmic, and trigonometric functions, and graphing polynomial, rational, and transcendental functions and conic sections.

NOTE: UC allows a maximum of 4 transferable units for this course.

MATH 245 COMBINED WITH MATH 260, MAXIMUM UC CREDIT IS 4 UNITS.

265 Calculus with Analytic Geometry I (5) UC:CSU ❖

Prerequisite: Math 240 and Math 260 with grades of C or better, or appropriate skill level demonstrated through the math placement process.

Lecture, 5 hours.

Begins a three semester unified treatment of analytic geometry and calculus; it includes both theory and applications of functions and their graphs, limits, continuity, derivatives, rates of change, maxima and minima, mean value theorem, approximations, anti-derivatives, and definite integrals.

MAXIMUM UC CREDIT FOR ANY COMBINATION OF MATH 238/239 OR 265/266 IS ONLY ONE SERIES.

266 Calculus with Analytic Geometry II (5) UC:CSU

Prerequisite: Math 265 with a grade of C or better.

Lecture, 5 hours.

The second semester in a three semester unified treatment of analytic geometry and calculus; topics included are derivatives and integrals of inverse trigonometric, logarithmic, exponential, and hyperbolic functions, methods of integration; improper integrals; numerical methods; conic sections, polar coordinates, Taylor formulas, indeterminate forms, infinite series, and power series.

MAXIMUM UC CREDIT FOR ANY COMBINATION OF MATH 238/239 OR 265/266 IS ONLY ONE SERIES.

267 Calculus with Analytic Geometry III (5) UC:CSU

Prerequisite: Math 266 with a grade of C or better.

Recommended: Math 270 or concurrent enrollment.

Lecture, 5 hours.

The final course in a three-semester unified treatment of calculus and analytic geometry. Includes quadric surfaces, vector and parametric equations in two and three space, curvature, cylindrical and spherical coordinates, partial differentiation, gradient, maxima and minima for functions of several variables, multiple integration, surface integrals, line integrals, Green's Theorem, Divergence Theorem, and Stoke's Theorem.

270 Linear Algebra (3) UC:CSU

Prerequisite: Math 266 with a grade of C or better.

Lecture, 3 hours.

Matrix and determinant theory and application to linear systems; vector and inner product spaces; linear transformations; eigenvalue-eigenvector theory; and diagonalization.

275 Ordinary Differential Equations (3) UC:CSU

Prerequisite: Math 267 with a grade of C or better.

Recommended: Math 270.

Lecture, 3 hours.

A study of first order and linear differential equations. Special methods for the solutions of these equations developed and applied. Laplace transforms and inverse Laplace transforms are developed and applied. Power series solutions and linear systems of differential equations are included.

185 Directed Study - Mathematics ‡ (1) CSU RPT2**285 Directed Study - Mathematics ‡ (2) CSU****385 Directed Study - Mathematics ‡ (3) CSU**

Prerequisite: Math 265 with a grade of C or better.

Conference, 1 hour per unit.

Direct study allows students to pursue selected topics in mathematics beyond the normal curriculum under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Mathematics (1-4) CSU

Mathematics is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

MEDIA ARTS (MEDIART)**100 Introduction to Media Arts (3) CSU**

Prerequisite: None.

Lecture, 3 hours.

Introductory, interdisciplinary survey of the entertainment industry; showcasing the creative process from start to finish: from development and pre-production (idea to script through budgeting and preparation) to production (casting, story-boarding, shooting), post production (editing, visual effects, sound/music) and distribution (marketing and exhibition). Changes in the media owing to new technology and various other forms of production, including but not limited to, video games and Internet direct projects will be covered.

101 Introduction to Digital Film/Video Production (3) CSU

Prerequisite: Mediart 100 or Cinema 107 with a grade of C or better or concurrent enrollment in either course.

Lecture, 2 hours; laboratory, 2 hours.

Comprehensive overview of all aspects of digital film/video production from script concept to finished project, centering on basic theory and its applications via exams, demonstrations, and hands-on digital media exercises.

NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time may be required to complete projects.

103 Digital Imaging and Motion Graphics for Film and Television ‡ (3) UC:CSU

Prerequisite: Mediart 120, or Mediart 104 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This is an intermediate level course dealing with motion graphics for film and television 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.

NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time may be required to complete projects.

104 Photoshop for Motion Pictures and Television (3) CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

This is a beginning level course dealing with graphics for Motion Pictures and Television using digital imaging software, with an emphasis on programs such as Adobe Photoshop, including layers, masks, filters, text, blend modes, editing tools, animation techniques and output to video applications, via demonstrations, practicums, and exercises.

110 Digital Film/Video Audio ‡ (3) CSU

Prerequisite: Mediart 101 or Cinema 101 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This is an intermediate course dealing with all aspects of film/video sound recording, mixing, and editing from theory to application, centering on learning the basic parts and functions of professional motion picture and digital video sound equipment, as well as sound techniques and aesthetics.

NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time may be required to complete projects.

113 Low Budget Filmmaking ‡ (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course is an overview of the creative and business aspects of producing low-cost motion pictures from budgeting, financing, development and pre-production to production to post-production, distribution and marketing. Students will prepare an actual film proposal for a slate of movies.

115 Digital Film/Video Cinematography ‡ (3) CSU

Prerequisite: Mediart 101 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This is an intermediate course dealing with all aspects of cinematography from theory to application, centering on learning the basic parts and function of intermediate film/video cameras, lenses, lighting equipment, accessories as well as cinematography techniques and aesthetics.

NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time may be required to complete projects.

118 Directing ‡ (3) CSU

Prerequisite: Mediart 100 or Cinema 107 with a grade of C or better.

Lecture, 3 hours.

This course presents an introduction to the art and craft of film directing, with emphasis on the role of the director as a storyteller, the visualization of the script, directing the actors, and the creative interaction with above and below the line personnel. Visual presentations, discussions and exercises will illustrate the director's process during pre-production, production and post-production as well as the beginning steps toward a directing career.

120 Digital Film/Video Editing ‡ (3) CSU RPT1

Prerequisite: Mediart 101 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This is an intermediate course covering all aspects of digital film/video editing theory, techniques and aesthetics. A variety of professional applications, with emphasis on Final Cut Pro, will be utilized in the editing exercises. NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time may be required to complete projects.

121 Advanced Digital Film/Video Editing ‡ (3) CSU RPT1

Prerequisite: Cinema 120 or Mediart 120 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This is an advanced level course dealing with theory, techniques, and aesthetics of digital film/video editing, with emphasis on advanced features of Final Cut Pro including titling/graphics, audio filtering/mixing, and compositing techniques, via demonstrations and editing exercises. NOTE: Students will be required to provide instructional materials to complete class assignments. Additional out-of-class or lab time may be required to complete projects.

125 Producing for Film, Television and New Media ‡ (3) CSU

Prerequisite: Mediart 100 with a grade of C or better.

Lecture, 3 hours.

Introduction to the creative art and business of film/television producing, with emphasis on the job functions and skills required for the producer to actualize his/her ideas, and vision. The course will cover all the functions of the producer from development, preproduction, production, post production and distribution. Additionally it will cover the creative interaction of the producer with above/below the line talent; and explore the relationship of producer with the writer, director, actors, studio executives, and all other crew positions.

129 Mythology, Spirituality, and the Art of Story ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

Analytical and critical overview of storytelling, examining the historical and modern role of mythology spirituality, legends and parables, and how they have shaped and formed stories found in today's motion picture and television writings.

130 Advanced Screenwriting ‡ (3) CSU RPT1

Prerequisite: Brdcstg 25 with a grade of C or better.

Lecture, 3 hours.

An advanced screenwriting workshop emphasizing the skill and understanding of structure, character and story. Students write an original screenplay or teleplay in a workshop setting, developing an effective and marketable sample of work.

132 Business of Entertainment ‡ (3) CSU

Prerequisite: Mediart 100 with a grade of C or better.

Lecture, 3 hours.

Introduction to the business of film and television, with emphasis on deal analysis in all media. The course will cover the process of creating a deal memo, negotiating the deal, the elements in a contract, and a detailed analysis of the contract. The course will cover the roles of the business affairs executives, attorneys, agent, and managers. This will include lectures on their various functions within the entertainment industry.

185 Directed Study -**Media Arts (1) CSU****285 Directed Study -****Media Arts (2) CSU****385 Directed Study -****Media Arts (3) CSU**

Prerequisite: Approval of project.

Conference, 1 hour per unit.

Allows student to pursue Directed Study in Media Arts on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative Education – Media Arts (1-4) CSU

Media Arts is approved for Cooperative Work Experience Education credit.

See Cooperative Education, page 77, for prerequisite, course description and credit limits.

MEDICAL TERMINOLOGY

(See Biology 33)

MERCHANDISING

(See Marketing)

METEOROLOGY (METEOR)**3 Introduction to Weather and Climate (3) UC:CSU**

Prerequisite: None.

Lecture, 3 hours.

An introduction to weather, climate and environment employing scientific method and observation. The course examines Earth's atmosphere, processes and phenomena and their impacts on humans and the global environment. Course topics include composition of the atmosphere, weather elements and controls, atmospheric processes, global circulation, storms, air pollution, global climate patterns and climate change, and techniques and tools for weather forecasting.

Students may not earn credit for both Meteor 3 and Geog 3.

MICROBIOLOGY (MICRO)**20 General Microbiology (4) UC:CSU**

Prerequisite: Chem 51 with a grade of C or better.

Lecture, 3 hours; laboratory, 3 hours.

An introduction to principles of microbiology, with emphasis on clinical microbiology for the allied health sciences, including the chemistry, biology, taxonomy, and genetics of pathogenic microorganisms. Principles of pathology and interactions of pathogenic microorganisms with the host are presented by examining infectious diseases of major organ systems. Laboratory exercises develop skills and strategies employed in the clinical microbiology laboratory.

MICRO 1 COMBINED WITH MICRO 20, MAXIMUM UC CREDIT IS ONE COURSE.

MEXICAN-AMERICAN STUDIES

(See Chicano Studies)

MOTION PICTURES

(See Cinema)

MUSIC

A list of required and recommended classes for the Music Major is available in either the Counseling office or the Music Department.

Additional repeatability for the Music classes listed is permitted for matriculated Music major students; see department chair or course instructor: Music 190, 250, 261, 321, 322, 323, 324, 414, 453, 501, 531, 563, 604, 614, 624, 654, 701, 711, 721, 731, 751, 771, 775, and 781.

101 Fundamentals of Music (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

Introductory course in reading and writing music. Covers notation, keys, scales, intervals, chords. Includes experience in rhythmic drills, sight singing and ear training.

111 Music Appreciation I (3) UC:CSU ❖

Prerequisite: None.

Lecture, 3 hours.

An introductory survey course designed to develop an understanding of the literature of Western art music from the Middle Ages through the present day. Emphasis is given to music heard in concert, motion pictures, radio and television and to techniques of perceptive listening.

121 Music History and Literature I ‡ (3) UC:CSU

Prerequisite: Music 201 with a grade of C or better.

Lecture, 3 hours.

Designed for Music Majors, but open to the general student. Traces the evolution of musical thought and practice in the Western world from ancient Greece through the Medieval, Renaissance and Baroque periods, with particular focus on the function of music in various social, political and historical contexts and the emerging compositional styles and techniques.

122 Music History and Literature II ‡ (3) UC:CSU

Prerequisite: Music 201 with a grade of C or better.

Lecture, 3 hours.

Designed for music majors, but open to the general student. Traces the evolution of musical thought and practice in the Western world from the Classic period through the present day, with particular focus on the function of music in various social, political and historical contexts and the emerging compositional styles and techniques.

COMMERCIAL MUSIC MAJOR

Semester Plan for the A.A. Degree

<p style="text-align: center;">First Semester</p> <p>Music 137 - Music As A Business Music 161 - Introduction to Electronic Music Music 165 - Introduction to Recording Arts Music 200 - Introduction to Music Theory Music 321 - Elementary Piano I Performing Ensemble*</p>	<p style="text-align: center;">Second Semester</p> <p>Music 205 - Commercial Harmony I Music 211 - Musicianship I Music 265 - Recording Arts Workshop Music 322 - Elementary Piano I Performing Ensemble*</p>
<p style="text-align: center;">Third Semester</p> <p>Music 206 - Commercial Harmony II Music 212 - Musicianship II Music 295 - Computer Music Sequencing Performing Ensemble*</p> <p style="text-align: center;"><i>Recommended</i></p> <p>Music 265 - Recording Arts Workshop (repeated second semester)</p>	<p style="text-align: center;">Fourth Semester</p> <p>Music 281 - Commercial Music Techniques I Performing Ensemble*</p> <p>General Education Requirements – 9 Units</p>
<p style="text-align: center;">Fifth Semester</p> <p>Music 282 - Commercial Music Techniques II General Education Requirements – 3 Units</p> <p style="text-align: center;"><i>Recommended</i></p> <p>Music 265 – Recording Arts Workshop (repeated second semester)</p>	

* Performing Ensembles chosen from any of the following: Music 501-College Choir, Music 531-Philharmonic Choir, Music 563-Chamber Singers, Music 721-Orchestra, Music 751-Wind Ensemble, Music 771-Guitar Ensemble, Music 775-Jazz Ensemble.

The courses listed are *major* requirements only. For general education requirements for the A. A. Degree in Commercial Music, see the information on Plan B majors in this catalog.

LOS ANGELES VALLEY COLLEGE
MUSIC DEPARTMENT

MUSIC MAJOR

Semester Plan for the A.A. Degree

First Semester	Second Semester
<p>Music 152 - Current Musical Events Music 180 - Applied Music Lab Music 181 - Applied Music I Music 200 - Introduction to Music Theory Music 241 - Music Notation and Copying I Music 321 - Elementary Piano I Performing Ensemble*</p> <p><i>Recommended:</i> Music 111 - Music Appreciation or other elective in Music - 3 Units</p> <p>General Education Requirements - 6 Units</p>	<p>Music 152 - Current Musical Events Music 180 - Applied Music Lab Music 182 - Applied Music II Music 201 - Harmony I Music 211 - Musicianship I Music 322 - Elementary Piano II Performing Ensemble* General Education Requirements - 6 Units</p>
Third Semester	Fourth Semester
<p>Music 121 - Music History & Literature I Music 180 - Applied Music Lab Music 183 - Applied Music III Music 202 - Harmony II Music 212 - Musicianship II Music 250 - Music Performance Workshop Music 323 - Elementary Piano III Performing Ensemble* General Education Requirements - 3 Units</p>	<p>Music 122 - History & Literature II Music 180 - Applied Music Lab Music 184 - Applied Music IV Music 203 - Harmony III Music 213 - Musicianship III Music 250 - Music Performance Workshop Music 324 - Elementary Piano IV Performing Ensemble* General Education Requirements - 3 Units</p>

* Performing Ensembles chosen from any of the following: Music 501-College Choir, Music 531-Philharmonic Choir, Music 563-Chamber Singers, Music 721-Orchestra, Music 751-Wind Ensemble, Music 771-Guitar Ensemble, Music 775-Jazz Ensemble.

The courses listed are *major* requirements only. For General Education requirements for the A. A. Degree in Music, see the information on Plan B majors in this catalog.

136 Music in American Culture ‡ (3) UC:CSU

Prerequisite: None.

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.

137 Music as a Business (3)

Prerequisite: None.

Lecture, 3 hours.

A study of the business aspects of the music industry. Students will examine the varied aspects of handling and packaging their own musical talents, and how to acquire and deal with agents and managers, how to read contracts, and keep records. Unions, marketing and taxation are also covered.

141 Jazz Appreciation (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

A study of the elements of jazz as well as tracing the development and evolution of styles and structure. Listening skills will be developed to recognize the many differences in individual solo as well as jazz ensemble interpretations. A discussion of composing and arranging music in a jazz style will be incorporated.

152 Current Musical Events (1) CSU RPT3

Prerequisite: None.

Lab/performance, 2 hours.

This course enriches the student's musical experiences through the presentation of live performances in a variety of concerts and recitals throughout Los Angeles. The events offered include concerts by the various departmental musical organizations, student soloists, faculty recitals and guest artists.

161 Introduction to Electronic Music (3) CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

This introductory course explores the history and use of electronic equipment, synthesizers, computers and recording equipment in the making of music. Topics include computer hardware and software, modern sequencing techniques, MIDI (Musical Instrument Digital Interface), and basic digital audio, using the Macintosh platform.

165 Introduction to Recording Arts (3) CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

Introduction to the theory and practice of acoustics, audio, and recording. Topics include: the nature of sound; basic acoustics; audio systems and terminology; microphone principles and usage; recording styles; recording studio equipment; multi-track recording procedures.

180 Applied Music Lab (1.5) CSU RPT3

Prerequisite: None. Pass/No Pass only.

Corequisite: Music 181 or 182 or 183 or 184, and 250.

Laboratory, 5 hours.

This course allows students to improve their technical skills on their own instrument or voice as assigned by applied music faculty or performance workshop faculty. Basic repertoire and historical performance practices are emphasized.

181 Applied Music I ‡ (0.5) UC:CSU

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Corequisite: Music 180.

Laboratory, 1 hour.

This course is designed for students to develop study, practice, and performance skills on a principal instrument or voice through private lessons. Parallels the offering for and requirements of UC and CSU music majors.

182 Applied Music II ‡ (0.5) UC:CSU

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Corequisite: Music 180.

Laboratory, 1 hour.

This course is designed for students to develop study, practice, and performance skills on a principal instrument or voice through private lessons. Parallels the offering for and requirements of UC and CSU music majors.

183 Applied Music III ‡ (0.5) UC:CSU

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Corequisite: Music 180 and 250.

Laboratory, 1 hour.

This course is designed for students to develop study, practice, and performance skills on a principal instrument or voice through private lessons. Parallels the offering for and requirements of UC and CSU music majors.

184 Applied Music IV ‡ (0.5) UC:CSU

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Corequisite: Music 180 and 250.

Laboratory, 1 hour.

This course is designed for students to develop study, practice, and performance skills on a principal instrument or voice through private lessons. Parallels the offering for and requirements of UC and CSU music majors.

190 Music Laboratory for Practicing (0.5) RPT3

Prerequisite: None. Pass/No Pass only.

Laboratory, 1.5 hours.

This course allows students to improve their technical skills on their own instrument or voice and work on the performance assignments from their theory, instrumental, vocal and musicianship instruction courses.

191 Music Listening Lab (.5) RPT3

Prerequisite: None. Pass/No Pass only

Laboratory, 1.5 hours.

This course allows students to develop listening skills and complete listening assignments from music classes through the use of listening library equipment and audio media.

192 Music Software Lab(.5) RPT3

Prerequisite: None. Pass/No Pass only.

Laboratory, 1.5 hours.

Students gain rudimentary skills in using the computer software associated with music. Students work at their own pace on projects in computer music notation, sequencing, musicianship and part writing.

200 Introduction to Music Theory (4) UC:CSU

Prerequisite: None.

Lecture, 3 hours; lab/performance, 2 hours.
A course for Music Majors. An exploration of the elements of music and discovery of how musicians use these elements to create compositions. Includes musical notation, basic rhythms, scales, keys, sight singing, ear training, and an understanding of the keyboard.

201 Harmony I (3) UC:CSU

Prerequisite: Music 200 with a grade of C or better.

Corequisite: Music 211.

Lecture, 3 hours.

A course in beginning diatonic harmony. Topics include: primary and secondary triads; dominant seventh chords; non-chord tones; harmonic analysis; figured bass realization; harmonization of given and original melodies.

202 Harmony II (3) UC:CSU

Prerequisite: Music 201 with a grade of C or better.

Corequisite: Music 212.

Lecture, 3 hours.

A course in diatonic and beginning chromatic harmony. Topics include: secondary functions; modulations; harmonic and melodic sequences; binary and ternary forms; intermediate harmonic analysis and part writing.

203 Harmony III ‡ (3) UC:CSU

Prerequisite: Music 202 with a grade of C or better.

Corequisite: Music 213.

Lecture, 3 hours.

A course in chromatic harmony and introduction to contemporary techniques. Topics include: Neapolitan chord; augmented sixth chords; modulation to distantly related keys; dodecaphonic music; survey of contemporary techniques.

205 Commercial Harmony I ‡ (3) CSU

Prerequisite: Music 101 or Music 200 with a grade of C or better.

Lecture, 3 hours.

This course introduces students to commercial harmony. Terminology, notation, chord structure and usage are covered, with an emphasis on part writing using open and closed 4ths, major 6th and 7th chords expanding to 9th, 11th and 13th chords, minor 7th chords; major, minor, pentatonic and blue scales, modes, blues and commercial chord progressions.

206 Commercial Harmony II ‡ (3) CSU

Prerequisite: Music 205 with a grade of C or better.

Lecture, 3 hours.

Commercial music terminology, notation, chord and scale structure, modes, blues and pentatonic scales, extended chords, bass line construction, harmonization of melodic lines, chord progressions, basic chord voicing, ear-training and applied piano.

211 Musicianship I (2) UC:CSU

Prerequisite: Music 200 with a grade of C or better.

Corequisite: Music 201.

Lecture, 1 hour; lab/performance, 2 hours.

This course is correlated with the study of harmony in Music 201. An advanced beginning course in ear training, the course includes sight singing; rhythmic, melodic and harmonic dictation; basic keyboard harmony, and a review of fundamentals of music theory.

212 Musicianship II (2) UC:CSU

Prerequisite: Music 211 with a grade of C or better.

Corequisite: Music 202.

Lecture, 1 hour; lab/performance, 2 hours.

This course is correlated with the study of harmony in Music 202. An intermediate course in ear training; sight singing; rhythmic, melodic and harmonic dictation; basic keyboard harmony. Review of fundamentals of music theory.

213 Musicianship III ‡ (2) UC:CSU

Prerequisite: Music 212 with a grade of C or better.

Corequisite: Music 203.

Lecture, 1 hour; lab/performance, 2 hours.

This course is correlated with the study of harmony in Music 203. An advanced intermediate course in ear training; sight singing; rhythmic, melodic and harmonic dictation; basic keyboard harmony. Review of fundamentals of music theory.

241 Music Notation and Copying I (1) CSU

Prerequisite: None.

Lecture, 1 hour.

Instruction and practical experience in the techniques of music, chord symbol and lyric notation. Training in lead sheet, piano, and master rhythm score construction, as well as score and part layout, as it is applied using the computer. It is assumed that the student has the ability to read music and has basic skills in computer use.

242 Music Notation and Copying II (1) CSU

Prerequisite: Music 241 with a grade of C or better.

Lecture, 1 hour.

Continued studies in the techniques of music, chord symbol and lyric notation. Training in lead sheet, piano, and master rhythm score construction, as well as score and part layout, as it is applied using the computer. It is assumed that the student has the ability to read music and has basic skills in computer use.

250 Music Performance Workshop (1) CSU RPT3

Prerequisite: Music 322, or 412, or 602, or 612, or 622, or 652 with a grade of C or better.

Required of all students in A.A. transfer program and open to others.

Lab/performance, 3 hours.

Students work in a master class environment, rehearsing classical music appropriate to their instrument/voice and skill level. A final public performance is given. Concert attendance is required.

251 Jazz Improvisation Workshop (1) UC:CSU PT 3

Prerequisite: Music 206 with a grade of C or better. *Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.*

Lab/performance 3 hours.

Instruction in creation of original musical lines in jazz, rock, Latin and popular American music. Includes harmonic and rhythmic analysis of classic jazz solos, score study and live performance in a group setting.

265 Recording Arts Workshop (3) CSU RPT2

Prerequisite: Music 165 with a grade of C or better.

Lecture, 2 hours; laboratory, 2 hours.

This course presents the basic techniques of recording and mixing. Emphasis is placed on multi-track recording. The student will have the opportunity to prepare for and participate in recording sessions.

271 Songwriters Workshop I (3) UC:CSU RPT 1

Prerequisite: None.

Lecture, 3 hours.

The craft of songwriting, using rhythm section, electronics and vocals in a variety of commercial styles.

281 Commercial Music Techniques I (3) CSU

Prerequisite: Music 206 with a grade of C or better.

Lecture, 2 hours; lab/performance, 2 hours. Emphasis on writing for rhythm section, jazz combo and big band. Development of skills in writing lead sheets, rhythm charts, three horn and big band arrangements. Performance and recording of class projects.

282 Commercial Music Techniques II (3) CSU

Prerequisite: Music 206 and 281 with a grade of C or better.

Lecture, 2 hours; lab/performance, 2 hours. A continuation of Music 281, focusing on development of writing techniques for film, television and video, live and studio vocalists, as well as small project studio. Emphasis on short musical cues, as well as larger forms, incorporating vocal arranging, synthesizer sweetening, and multi-track recording overdubs, in a variety of contemporary styles. Introduction to scoring cues for film, television and video in a project studio setting.

299 Music Honors (1) CSU RPT3

Prerequisite: None.

Laboratory, 3 hours.

This course provides the advanced music student an opportunity for concentrated independent study in selected performance areas under the direct supervision of an instructor. Projects are designed to increase the student's repertoire and skill level.

UC CREDIT FOR MUSIC 299 IS NOT AUTOMATIC; AS AN INDEPENDENT STUDY COURSE, UC CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION.

321 Elementary Piano I (2) UC:CSU

Prerequisite: None.

Lecture, 1 hour; lab/performance, 2 hours. Beginning repertoire, technique and music reading in five-finger positions; selected scales; melody harmonization.

322 Elementary Piano II (2) UC:CSU

Prerequisite: Music 321 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. Continuation of Music 321 topics with extended hand positions; transposition; selected exercises.

323 Elementary Piano III (2) UC:CSU

Prerequisite: Music 322 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. Continuation of Music 322 topics; repertoire on level of Beethoven Sonatina in G; Bach Minuet in G.

324 Elementary Piano IV (2) UC:CSU

Prerequisite: Music 323 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. Continuation of Music 323 topics; repertoire on level of Chopin Prelude in E minor; Bach Prelude 1.

411 Elementary Voice I (2) UC:CSU

Prerequisite: None.

Lecture, 1 hour; lab/performance, 2 hours. Basic techniques of vocal production are introduced. The student is directed toward proper stance and breathing techniques, increased vocal freedom, and improvement of articulation and tone. The course introduces standard solo literature and offers performing experience.

412 Elementary Voice II (2) UC:CSU

Prerequisite: Music 411 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. Continuation of basic vocal technique, further practice and performance experience. Basic Italian repertoire is introduced.

413 Elementary Voice III (2) UC:CSU

Prerequisite: Music 412 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. Continued voice building, looking toward the possibilities of increasing range, richness, and expressiveness. A song repertoire of moderate difficulty, including art songs in English, Italian, and German, or French is memorized and performed in class.

414 Elementary Voice IV (2) UC:CSU

Prerequisite: Music 413 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. Further experience with technique, repertoire and performance.

453 Musical Theater Repertoire for Singers ‡ (1) UC:CSU RPT3

Prerequisite: Music 411 with a grade of C or better. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Lab/performance, 3 hours.

This course is designed to teach fundamental vocal techniques as utilized in a Broadway musical. Instruction includes basic body movement, acting technique, interpretation of Broadway song literature and the skill of auditioning. Students are required to prepare a final project excerpted from a standard work. All performances are evaluated.

501 College Choir (1) UC:CSU RPT3

Prerequisite: None.

Lab/performance, 3 hours.

Introduction to choral ensemble singing. Emphasis is on vocal technique and choral elements such as blend, intonation, diction, and music reading. Repertoire is chosen on the basis of the ensemble's ability and represents historical and current styles of music.

531 Philharmonic Choir (1) UC:CSU RPT3

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Lab/performance, 3 hours.

The Philharmonic Choir studies and performs major choral works such as oratorios, cantatas and masses with orchestra, as well as motets, chansons, madrigals, popular music, multicultural and vocal ensemble music from all periods of music.

563 Chamber Singers (1.5) UC:CSU RPT3

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Lab/performance, 5 hours.

The Chamber Singers is a carefully selected group that prepares and performs representative repertoire including motets, chanson, madrigals, popular music, jazz standards and multicultural music from a variety of periods in music history.

601 Brass Instrument Instruction I (2) UC:CSU

Prerequisite: None.

Lecture, 1 hour; lab/performance, 2 hours.

Beginning instruction on the brass instruments. Recommended for students interested in learning an instrument or a second instrument, instrumental writing, or those students planning to teach instrumental music.

602 Brass Instrument Instruction II (2) UC:CSU

Prerequisite: Music 601 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours.

Intermediate instruction on the brass instruments. Recommended for students interested in improving their proficiency or in learning a second instrument, or instrumental writing, or those students planning to teach instrumental music.

603 Brass Instrument Instruction III (2) UC:CSU

Prerequisite: Music 602 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. A continuation of Music 602. Advanced instruction on the brass instruments. Recommended for students interested in improving their proficiency or in learning a second instrument, or instrumental writing, or those students planning to teach instrumental music.

604 Brass Instrument Instruction IV (2) UC:CSU

Prerequisite: Music 603 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. A continuation of Music 603. More advanced instruction on the brass instruments. Recommended for students interested in improving their proficiency or in learning a second instrument, or instrumental writing, or those students planning to teach instrumental music.

611 String Instrument Instruction I (2) UC:CSU

Prerequisite: None.

Lecture, 1 hour; lab/performance, 2 hours. Beginning instruction on the string instruments: violin, viola, cello, and string bass. Recommended for students interested in learning an instrument or a second instrument, instrumental writing, or those planning to teach instrumental music.

612 String Instrument Instruction II (2) UC:CSU

Prerequisite: Music 611 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. A continuation of Music 611. Intermediate instruction on the string instruments: violin, viola, cello, and string bass. Recommended for students interested in learning an instrument or a second instrument, instrumental writing, or those planning to teach instrumental music.

613 String Instrument Instruction III (2) UC:CSU

Prerequisite: Music 612 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. A continuation of Music 612. Advanced instruction on the string instruments: violin, viola, cello, and string bass. Recommended for students interested in learning an instrument or a second instrument, instrumental writing, or those planning to teach instrumental music.

614 String Instrument Instruction IV (2) UC:CSU

Prerequisite: Music 613 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. A continuation of Music 613. Advanced instruction on the string instruments: violin, viola, cello, and string bass. Recommended for students interested in learning an instrument or a second instrument, instrumental writing, or those planning to teach instrumental music.

621 Woodwind Instrument Instruction I (2) UC:CSU

Prerequisite: None.

Lecture, 1 hour; lab/performance, 2 hours. Beginning instruction on woodwind instruments. Recommended for students interested in learning an instrument or a second instrument, instrumental writing, or those planning to teach instrumental music.

622 Woodwind Instrument Instruction II (2) UC:CSU

Prerequisite: Music 621 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. A continuation of Music 621. Intermediate instruction on woodwind instruments. Recommended for students interested in learning an instrument or a second instrument, instrumental writing, or those planning to teach instrumental music.

623 Woodwind Instrument Instruction III (2) UC:CSU

Prerequisite: Music 622 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. A continuation of Music 622. Advanced instruction on woodwind instruments. Recommended for students interested in learning an instrument or a second instrument, instrumental writing, or those planning to teach instrumental music.

624 Woodwind Instrument Instruction IV (2) UC:CSU

Prerequisite: Music 623 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. A continuation of Music 623. Advanced instruction on woodwind instruments. Recommended for students interested in learning an instrument or a second instrument, instrumental writing, or those planning to teach instrumental music.

650 Beginning Guitar (2) UC:CSU

Prerequisite: None.

Lecture, 1 hour; lab/performance, 2 hours. Learning the basics of guitar: chords, strums, notes. Easy songs to give the student a firm grasp of the instrument. Student must possess guitar.

651 Classical Guitar I (2) UC:CSU

Prerequisite: None.

Lecture, 1 hour; lab/performance, 2 hours. Classical techniques of right and left hand development, beginning repertoire; note reading, preparation for solo and ensemble performance. Student must possess nylon string guitar.

652 Classical Guitar II (2) UC:CSU

Prerequisite: Music 651 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. Intermediate classical techniques of right and left hand development, intermediate repertoire; note reading, preparation for solo and ensemble performance. Student must possess guitar.

653 Classical Guitar III (2) UC:CSU

Prerequisite: Music 652 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. Continuation of Music 652. More advanced classical techniques of right and left hand development, more extensive repertoire; note reading, preparation for solo and ensemble performance. Student must possess guitar.

654 Classical Guitar IV (2) UC:CSU

Prerequisite: Music 653 with a grade of C or better.

Lecture, 1 hour; lab/performance, 2 hours. Continuation of Music 653. Advanced classical techniques of right and left hand development, more extensive repertoire; note reading, preparation for solo and ensemble performance. Student must possess guitar.

711 Rehearsal Orchestra ‡ (1) UC:CSU RPT3

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Lab/performance, 3 hours.

Preparation for concert appearances. Development of individual technical and artistic abilities, a more discriminative understanding of music through experience with a wide range of orchestral literature, and the opportunity to perform with more advanced players.

721 Orchestra (1) UC:CSU RPT3

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Lab/performance, 4 hours.

Emphasis on performance. Opportunity to expand repertoire and reading of standard symphonic literature through rehearsal and concert performance of that literature.

Participation in a symphonic season of no less than four programs a year.

751 Wind Ensemble (1) UC:CSU RPT3

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Lab/performance, 3 hours.

Preparation for performances of concert band repertoire. Development of individual technical and artistic abilities through experience with a wide range of band literature.

771 Guitar Ensemble (1) UC:CSU RPT3

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Lab/performance, 3 hours.

This course consists of study and performance of standard guitar ensemble literature with emphasis on intonation, rhythmic alignment, balance, style and the requirements of effective ensemble playing.

775 Jazz Ensemble (1) UC:CSU RPT3

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Lab/performance, 3 hours.

This course provides experience in dance band/studio band performance. Rehearsal of standard and special arrangements with emphasis on sight reading, intonation, jazz feel and improvisation. Preparation for public performances. Serves as a reading workshop for student arrangers.

780 Jazz Combo Workshop (1) CSU RPT 3

Prerequisite: None. Students are encouraged to enroll at registration. A successful audition on the first day of class is required for continued enrollment.

Lab/performance, 3 hours.

Students will organize musical pieces, rehearse and perform in a variety of small combo settings. Emphasis is on presentation, live performance and interaction with student arrangers.

185 Directed Study - Music (1) CSU RPT2**285 Directed Study - Music (2) CSU 385 Directed Study - Music (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Music on a contract basis under the direction of a supervising instructor. Student projects must be non-performance based.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Music (1-4) CSU

Music is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

NUMERICAL CONTROL (NUM CON)

(Automated and Computer Controlled Machining)

1 Numerical Control Manual Programming & Machine Operation (3) RPT1

Prerequisite: None.

Lecture, 1 hour; laboratory, 5 hours.

Introduction to computerized numerical control with emphasis on set-up and operation of Computer Numerical Control (CNC) machine tools. Studies the principles and concepts of CNC. Provides the practical experience in the operation of both the HAAS lathe and mill.

21 Advanced Manual CNC Lathe Programming & Introduction to CAM (3)

Prerequisite: None.

Lecture, 1 hour; laboratory, 5 hours.

Students will study Numerical Control part program preparation that began in Numerical Control 1 (CNC-1) and develop the techniques of planning for efficient operation sequencing. Compares NC, CNC and DNC; including examination of these systems in relation to CAD/CAM.

Introduces computer-assisted NC part programming languages. Emphasizes writing and running CNC Lathe programs machining metal parts.

22 Advanced Manual CNC Mill and Microcomputer Assisted Programming (3)

Prerequisite: None.

Lecture, 1 hour; laboratory, 5 hours.

Acquaints the advanced student with three and four axis CNC applications involving manufacturing planning, tooling design, tooling specification, CNC mill programs employing full 3-axis positioning and implementation of programs using HAAS mill equipment in the CNC lab. Students will learn and practice microcomputer assisted part programming of CNC mill using Fanuc, Haas and Yasnac controls.

23 Computer Aided Manufacturing Programming of CNC Equipment (3)

Prerequisite: None.

Lecture, 2 hours; laboratory 4 hours.

Advanced programming with MasterCAM. Computer Numerical Control (CNC) programming with Computer Aided Manufacturing (CAM) software. Students will learn to create part geometry and to generate tool paths on PC based equipment.

911-921-931-941 Cooperative Education - Numerical Control (1-4)

Numerical Control is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

NURSING**911-921-931-941 Cooperative Education - Nursing (1-4) CSU**

Nursing is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

NURSING SCIENCE (NRSCE)

101 Introduction to Nursing (3)

Prerequisites: English 101, Physio 1 or Physio 8, Micro 20 (must have High School Chemistry or College Chemistry), Anatomy 1, Psych 1 and Psych 41 with a grade of C or better.

Lecture, 1 hour; laboratory, 6 hours.

This course is an introduction to the philosophy of nursing, nursing history, Maslow's hierarchy of needs, and legal and ethical issues in nursing. Concurrent with the theory, the nursing student will have beginning client care experience in the skills lab and hospital settings.

102 Fundamentals of Nursing (3)

Prerequisites: NRSCE 101, and NRSCE 103 with a grade of C or better.

Lecture, 1 hour; laboratory, 6 hours.

This course will be an introduction to medical-surgical nursing concept issues related to care to clients based on Maslow's Hierarchy of Needs. The course content will be presented with the framework of health-continuum, and normal physiological, psychological, and sociocultural need of the client.

103 Nursing Process (1)

Prerequisites: English 101, Physio 1 or Physio 8, or Micro 20 (must have High School Chemistry or College Chemistry), Anatomy 1, Psych 1 and Psych 41 with grades of C or better.

Lecture, 1 hour.

This course is designed to acquaint the student with the nursing process components such as assessment, nursing diagnosis, planning, implementation and evaluation. Included in the course is a discussion about client's multiple needs. Critical thinking concepts are integrated in the course to enable the student to make appropriate nursing judgments.

104 Nursing Communication (1)

Prerequisites: NRSCE 101 and NRSCE 103 with grades of C or better.

Lecture, 1 hour.

The course is designed to acquaint the student to the elements of communication process and how communication is affected by culture. Included in the course is a discussion on how the student can meet the client's communication needs, which will require the application of nursing process and critical thinking. Content related to nurse-client relationships, therapeutic/non-therapeutic communications, self concept, anxiety, assertiveness, homeostasis, stress, adaptation, crisis intervention, and loss and grief will be discussed.

105 Nursing Pharmacology (2)

Prerequisites: English 101, Physio 1 or Physio 8, Micro 20 (must have High School Chemistry or College Chemistry), Anatomy 1, Psych 1 and Psych 41 with grades of C or better.

Lecture, 1.5 hours; laboratory, 1.5 hours.

This course focuses on the effects of drug therapy on human body systems. The body systems include: the central nervous system, autonomic nervous, cardiovascular, renal, endocrine, respiratory and gastrointestinal systems. Also included are anti-infective, anti-inflammatory, immune and biological modifiers, chemotherapeutic, hematological, ophthalmic and optic agents. In addition this course will cover laboratory practice of medication administration.

106 Medical-Surgical Nursing I (5)

Prerequisites: NRSCE 102, NRSCE 104, and NRSCE 105 with grades of C or better.

Lecture, 3 hours; laboratory, 6 hours.

This basic course focuses on the nursing care of the adult client with common disorders. Emphasis will be placed on nursing care of the client with endocrine, gastrointestinal, cardiac and respiratory disorders. Problems associated with fluid and electrolytes, acid balance, infections and the stress response will be addressed. Working as an effective member of the health care team and beginning leadership skills will be presented. Emphasis will be placed on classroom and clinical application of critical thinking and caring therapeutic nursing interventions in acute, chronic and community health care settings. Basic concepts and issues will be examined including the recognition of the impact of cultural and ethnic diversity of the client.

107 Medical-Surgical Nursing II (5)

Prerequisites: NRSCE 106, NRSCE 109, and NRSCE 110 with grades of C or better.

Lecture, 3 hours; laboratory, 6 hours.

This intermediate level medical/surgical nursing courses focuses on nursing care of adult clients with high acuity problems within hospital and community settings. Emphasis will be placed on assessment of risk factors affecting clients health and wellness. Students will implement the nursing process and utilize Maslow's human needs concepts to prioritize client needs for the following diseases/disorders: endocrine, renal, cardiovascular, gastrointestinal, central nervous system, sleep and malignancies. Related fluid and electrolytes and acid base balance needs will be addressed. Issues regarding client advocacy, spiritual and cultural diversity as well as communication with members of the health care team, and intermediate level leadership skills will be emphasized.

108 Medical-Surgical Nursing III (3)

Prerequisites: NRSCE 107 and NRSCE 111 with grades of C or better.

Lecture, 1.5 hours; laboratory, 4.5 hours.

This course focuses on the role of the Nurse as Provider of Care, Manager of Care, and Member of the Profession for medical-surgical clients within a variety of setting. Emphasis will be on classroom and clinical application of critical thinking and caring therapeutic nursing interventions in chronic, acute, critical care and community health care setting. Concepts and issues examined include: the impact of cultural beliefs and ethnic diversity of the adult client; identification of risk factors effecting the client's health and wellness; the advanced role(s) of the nurse; and advanced technological and psychomotor skills necessary, to care for clients with multi-system organ dysfunction of the cardiovascular, respiratory, renal, gastrointestinal, neurological and the immune systems.

109 Gerontology and Community Based Nursing (2)

Prerequisites: NRSCE 105, NRSCE 102, and NRSCE 104 with grades of C or better.

Lecture, 1 hour; laboratory, 3 hours.

This course focuses on nursing care of the older adult client with common health and wellness needs. Emphasis will be on classroom and clinical application of critical thinking and caring therapeutic nursing interventions in acute, chronic and community health care settings for the older adult population. Concepts and issues examined include: impact of cultural beliefs and ethnic diversity of the older adult, legal, ethical and social issues, nurse-client relationship, biologic/social and psychological, theories of aging, pharmacological issues in aging, physical assessment of normal aging changes/functional consequences, common chronic illness/implications/ risk factors affecting the older client's health and wellness, end-of-life care/issues.

110 Psychiatric-Mental Health Nursing (3)

Prerequisites: NRSCE 102, NRSCE 104, and NRSCE 105 with grades of C or better.

Lecture, 1.5 hours; laboratory, 4.5 hours.

This course focuses on the application of the nursing process, critical thinking and caring therapeutic interventions in acute, chronic and community-based Psychiatric-Mental Health settings. Basic Mental Health concepts and issues examined include: cultural beliefs and ethnic diversity of the client/nurse, legal/ethical issues, therapeutic nurse-client relationship, self-awareness, neuro-bio-psychosocial theories/therapies and factors affecting health and wellness of clients with common psychiatric-mental health needs/disorder across the lifespan ie. Anxiety, Mood, Thought, Cognitive, Personality and Eating disorders across the lifespan. Emphasis is placed on client advocacy, and collaboration with members of the Mental Health care team.

111 Reproductive Nursing and Women's Health (3.5)

Prerequisites: NRSCE 106, NRSCE 109 and NRSCE 110 with grades of C or better.

Lecture, 2 hours; laboratory, 4.5 hours.

This course focuses on the nurse as a provider of care, manager of care and a member of the profession in a variety of maternal/child settings. Course content includes client needs during the antenatal, intrapartal, postpartal, neonatal period and reproductive health cycle. Building upon Maslow's Hierarchy of Needs, course content in Maternal Child Nursing will be presented within the framework of the wellness/illness continuum of the client during the reproductive and post reproductive years.

112 Care of Children and Family (3.5)

Prerequisites: NRSCE 107 and NRSCE 111 with grades of C or better.

Lecture, 2 hours; laboratory, 4.5 hours.

This course focuses on the nurse as a provider of care, manager of care and member of the profession in a variety of settings involving children and families. Course content includes physiological, psychological, developmental and socio-cultural needs of children and families. Building upon Maslow's Hierarchy of Needs and the Nursing Process, course content in Pediatric Nursing will be presented within the framework of the wellness/illness continuum of the client and family from birth through adolescence.

114 Nursing Leadership and Management (3)

Prerequisites: NRSCE 108 and NRSCE 112 with grades of C or better.

Lecture, 0.5 hours; laboratory, 7.5 hours.

This course provides an overview of theoretical and clinical concepts needed for the transitional role of the graduation Associate Degree nurse as a provider of care, manager of care and member of the profession. Concepts of Effective Leadership Styles, Advanced Therapeutic Communication, Delegation, Conflict Resolution, Time Management, Nursing Ethics, and Professional Issues, including the recognition of the impact of cultural beliefs and ethnic diversity of the client are analyzed and compared in this final nursing course. Emphasis is placed on classroom and clinical application of critical thinking and caring therapeutic nursing interventions in acute, chronic and community based health care settings using advanced technological and psychomotor skills. Utilizing the nursing process and advanced critical thinking, the learner/student implements the role of the beginning associate degree nurse as coordinator of care including theory and clinical accountability to provide quality care in various environments.

115 Skills Enhancement Lab (1)

Pass/No Pass

Corequisite: NRSCE 101-114

Laboratory, 3 hours per unit.

This course is designed to allow students to learn, practice and/or remediate in basic, intermediate and advanced nursing skills, necessary to deliver safe and competent care of the chronically and acutely ill client, in a structured setting. The class will be individualized to meet students' needs. It may be repeated every semester for a maximum of 3.

116 Skills Enhancement Lab (2)

Pass/No Pass

Corequisite: NRSCE 101-114

Laboratory, 3 hours per unit.

This course is designed to allow students to learn, practice and/or remediate in basic, intermediate and advanced nursing skills, necessary to deliver safe and competent care of the chronically and acutely ill client, in a structured setting. The class will be individualized to meet students' needs. It may be repeated every semester to a maximum of 3.

117 Skills Enhancement Lab (3)

Pass/No Pass

Corequisite: NRSCE 101-114

Laboratory, 3 hours per unit.

This course is designed to allow students to learn, practice and/or remediate in basic, intermediate and advanced nursing skills, necessary to deliver safe and competent care for the chronically and acutely ill client, in a structured setting. The class will be individualized to meet students' needs. It may be repeated every semester for a maximum of 3.

200 Health Science Learning Center and Skills Laboratory (1)

Prerequisite: None.

Laboratory, 3 hours.

Enrollment is offered to students currently or previously enrolled in course work from the Health Science Department, Nursing. This course allows students to practice simulated nursing care and/or health-client care in a simulated hospital setting. This course consists of a variety of computer and/or video programs to assist the learner to improve comprehension, synthesis, and/or critical thinking skills, including improving clinical skills. Students enrolled will be able to practice at their own pace. This course is offered on a 'Pass/No Pass' basis.

OCEANOGRAPHY (OCEANO)

1 Introduction to Oceanography (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course provides an introduction to the geological, chemical, physical, and biological characteristics of the ocean. Topics covered include seafloor topography, waves, currents, the global ocean/atmosphere system, estuaries and wetlands, ocean resources, pollution, and the marine ecosystems. A field trip is offered for this course.

10 Physical Oceanography Laboratory (2) UC:CSU

Prerequisite: Oceano 1 with a grade of C or better or concurrent enrollment.

Lecture, 1 hour; laboratory, 2 hours.

This laboratory course accompanies the Oceanography 1 lecture course. The course emphasizes the flow and transformations of water and energy into and out of the ocean, the physical and chemical properties of seawater, ocean circulation, interactions between the ocean and the other components of the Earth system, and the oceans's role in global climate change. A field trip is offered for this course.

185 Directed Study - Oceanography (1) CSU RPT2

285 Directed Study - Oceanography (2) CSU

385 Directed Study - Oceanography (3) CSU

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Oceanography on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Oceanography (1-4) CSU

Oceanography is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

OFFICE ADMINISTRATION

(See Computer Applications & Office Technology)

PERSONAL DEVELOPMENT (PERSDEV)

1 Introduction to College (1) RPT1 CSU

Prerequisite: None.

This course is offered on a Pass/No Pass basis only.

Lecture, 1 hour.

Provides students with important information about the college and its resources, introduces them to the requisite skills for college success, helps them set educational and career goals, and assists them in developing a student educational plan (SEP) to meet those goals.

4 Career Planning (1) CSU

Prerequisite: None.

This course is offered on a Pass/No Pass basis only.

Discussion, 1 hour.

This is an educational and career planning course designed to help the undecided student make a meaningful decision regarding a career goal. The course includes career assessment, various self-appraisal techniques, and information on career characteristic trends. The class includes exploration of career options utilizing career information technology. By providing the students with insight into their interests, abilities, work values, and personality, they will be able to make realistic and informed career choices.

6 College and Career Planning for Students with Disabilities (1) CSU

Prerequisite: None.

Planned for Students with disabilities.

This course is offered on a Pass/No Pass basis only.

Lecture, 1 hour.

This course is designed to assist students with disabilities in the exploration and development of career goals with an emphasis on individual interests and lifestyle, values, skills, personality traits, and abilities. Topics covered include career assessment and exploration, decision making and goal setting throughout the lifespan, resume writing, interview skills, and job seeking strategies. The impact of the Americans with Disabilities Act (ADA) in the workplace will be discussed.

20 Post Secondary Education: Scope of Career Planning (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course introduces students to the role of higher education in society and to their role as students. Students explore personal attributes needed for college success, critical thinking and effective study strategies, relating to others in a diverse world, the career planning and decision making process, and transfer and educational planning. This course will also provide students with an overview of campus resources and policies.

30 Personal Development Seminar For Students With Disabilities ‡ (1) NDA RPT3

Prerequisite: None

This course is offered on a Pass/No Pass basis only.

Lecture, 3 hours.

Group study of a selected disability-related topics with a focus on the development of self-advocacy skills for students with disabilities; provides an opportunity to explore a wide variety of accessibility issues as they relate to educational and career goals.

PHILOSOPHY (PHILOS)

1 Introduction to Philosophy (3) UC:CSU ❖

Prerequisite: None

Lecture, 3 hours.

A survey of the fundamentals of philosophy, Western or Eastern, with selected philosophers or topics in the history of philosophy, theory of knowledge, metaphysics, ethics, philosophy of religion, and philosophy of science. Subjects covered vary with instructor.

6 Logic in Practice (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course is intended to introduce fundamental issues of logic, epistemology, rationality, argument, persuasion, and critical thinking, with examples of sound and unsound thinking, for analysis and debate. Topics will range from current public discourse to perennial political and philosophical issues.

9 Symbolic Logic I (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

An introduction to the basic concepts of symbolic logic. This introduction will include the Origin and Use of Formal and Symbolic Logic, Truth Functional Connectives and Validity, Truth Tables, and Formal Deductive Proofs.

12 History of Greek Philosophy ‡ (3) UC:CSU ♦

Prerequisite: None.

Lecture, 3 hours.

A survey of the history of Greek Philosophy, including the Presocratics, Sophists, Socrates, Plato, and Aristotle.

14 History of Modern European Philosophy ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

An introduction and survey to modern Western or European Philosophy, beginning with the inception of Modern Science with Copernicus and Galileo, the inception of modern philosophy proper with Rene Descartes, through the Rationalists and Empiricists, German Idealism, Positivism, Marxism, Linguistic and Analytic Philosophy, Phenomenology, Philosophy of Science, Existentialism, Feminism, Deconstruction, and other recent trends.

20 Ethics (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

Survey of ethics, covering moral dilemmas, the justification and nature of moral value, i.e. metaethics, different historical ethical doctrines with representative philosophers, theories about the good life, or the meaning and value of life, and a selections of contemporary moral issues, which may be of a personal mature (e.g. abortion) or involve political (race, gender), economic (class, corporations), or religious issues.

28 Environmental Ethics (3) CSU

Prerequisite: None.

Lecture, 3 hours.

A philosophical examination of the relationship between human beings and their relationship with their environment. This study will include an analysis of traditional normative theories of ethics, morality, and rights, as applied to issues involving the environment, food, and animals. In addition, it will require a consideration of the value and moral status of the environment and the human relationship to it through social processes of food production and consumption, production and the use of resources, and technological development.

30 Asian Philosophy ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

Philosophy in the traditions of India and China, including countries of South, East, and Southeast Asia influenced by Indian and Chinese civilization. This covers philosophical schools such as Vedanta, Sankhya, Yoga, Confucianism, Taoism, and, in Buddhism, Zen, Tendai, and Tantrism.

35 Judaism, Christianity, and Islam (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

A scholarly study of religion that explains the basic structure of religious belief and practice. It examines the cultural history and social aspects which influenced and shaped the growth and development of the western religions in order to encourage a desire to understand as a means of overcoming the destructive exchanges that frequently accompany religious discussion.

Students may not earn credit for both Philos 35 and Jewish 35.

43 History of Economic Thought (3) CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

This course studies the history and evolution of economic ideas starting with early beginners, Adam Smith, Ricardo and continues with Marx to modern times. Course covers competing paradigms in economics, including neoclassicism, monetarism, American Institutional school, Keynesian school and others and establishes a link between evolution of economic ideas and the economic history of Europe and the United States. A special attention is paid to methodology of economics.

45 Philosophy of Labor (3) CSU

Prerequisite: None.

Lecture, 3 hours.

An introduction and survey of the basic philosophical theories and developments that have shaped our modern understanding of labor and its role in society. Topics will include, but will not be limited to: normative ethical theory, economic theory, marxist theory of value and alienation, critical theory, and philosophy of social movements.

911-921-931-941 Cooperative Education - Philosophy (1-4) CSU

Philosophy is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

PHOTOGRAPHY (PHOTO)**9 Introduction to Cameras & Composition (3) CSU**

Prerequisite: None.

Recommended for communication students interested in camera techniques and photo composition.

Lecture, 3 hours.

This course provides an introduction to color photography, including basic information on cameras, lenses, film and exposure designed to aid in an awareness of camera techniques and photo composition. Color slide assignments are given for analysis in class. Note: A 35mm single lens reflex camera is required.

10 Beginning Photography (3) UC:CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 3 hours.

This is a basic course in the use of the camera to produce a photographic image through study of light, shadow, exposure and composition. This course in black and white photography recognizes that total artistic and creative control of the image comes not only through taking the photo but also through processing film and print making and gives instruction and practice in these skills. Presents the history of photography and its place as an art in our society. Note: A 35mm single lens reflex camera and various lab supplies are required.

11 Advanced Photography (4) CSU RPT2

Prerequisite: Photography 10 with a grade of C or better.

Lecture, 2 hours; laboratory, 6 hours.

This course provides theory and practice of advanced photography techniques. Students will receive instruction in both traditional photography and digital imaging techniques with an emphasis on idea development, preparation and execution. Studio procedures, creative thinking and computer assisted image processing will also be emphasized.

20 Beginning Photojournalism (4) CSU

Prerequisite: Photography 10 with a grade of C or better.

Lecture, 2 hours; laboratory, 6 hours.

This course provides photography instruction for those interested in learning the skills necessary for making photographs for publication. Students will learn techniques for high impact digital capture, dynamic story telling as well as how to use their camera as a tool for social change. Emphasis is placed on digitally preparing photographs for both the Internet and print media. Note: a digital single lens reflex camera is required.

21 News Photography (4) CSU RPT3

Prerequisite: Photography 20 with a grade of C or better.

Lecture, 2 hours, laboratory, 6 hours.

Students receive instruction in advanced photojournalism techniques and digital preparation of photographs for publication. Students work in a real-world environment where they are able to make photographs of sports events, news events, and photo essays with meaningful sociological impact. Emphasis is placed on portfolio development and the use of digital technology.

101 Beginning Digital Photography (3) CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 3 hours.

This is a basic course in the use of the digital single lens reflex camera to produce a photographic image through study of light, shadow, exposure and composition. This course in digital photography recognizes that total artistic and creative control of the image comes not only through digital capture, but also through image processing and print making using Adobe Photoshop and gives instruction and practice in these skills. Presents the history of photography and its place as an art in our society. Note: A digital single lens reflex (DSLR) camera and various supplies are required.

185 Directed Study - Photography (1) CSU RPT2**285 Directed Study - Photography (2) CSU****385 Directed Study - Photography (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Photography on a contract basis under the direction of a supervising instructor. *Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.*

911-921-931-941 Cooperative Education - Photography (1-4) CSU

Photography is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

PHYSICAL EDUCATION (P.E. OR PHYS ED)

(Also see Dance Specialties, Dance Studies or Dance Techniques)

UC accepts a maximum of 4 units from any combination of PHYS ED 95-328, 385, 431-463, 503-517, 552, OR 630-695 course numbers, a maximum of 8 units from any combination of P.E. 710, 711, 713, or 714.

Qualified disabled students possessing the required talents, skills and health conditions are allowed and encouraged to participate in all physical education activities.

95 Special Studies in Physical Activities (1) UC:CSU RPT3

Lecture, 0.5 hours, Activity 1.5 hours.

Allows the student to pursue directed study in physical education activity at times flexible to his/her program on a contract basis under the supervising instructor.

96 Combined Activities (1) UC:CSU RPT3

Lecture, 0.5 hours, Activity, 1.5 hours.

An introductory course offering a wide variety of fitness activities (aerobics, aqua aerobics, swimming, weight training, stretching, and yoga) designed to increase understanding of the training principles and components of fitness with the necessary level of fitness for participation in variety of activities.

101 Swimming-Non Swimmer (1) UC:CSU RPT 3

Prerequisite: None.

Lecture, 0.5 hour; activity, 1.5 hours.

This course is designed to teach the beginning skills of swimming: crawl stroke, elementary backstroke, racing backstroke, breaststroke, and diving. The course will introduce the principles and strategies of swimming endurance. Upon completion of this course the student will be able to perform the basic strokes, know the rules that govern the different strokes, understand the nutrition and injury prevention strategies for swimming.

102 Swimming Skills (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour; activity, 1.5 hours.

This course is designed to teach the skills of swimming: crawl stroke, backstroke, breaststroke, butterfly, flip turns, starts and finishes. The course will introduce the principles and strategies of endurance and interval training. Upon completion of this course the student will be able to perform the basic strokes, know the rules that govern the different strokes, understand the nutrition and injury prevention strategies for swimming.

105 Diving Skills ‡ (1) UC:CSU RPT3

Prerequisite: None.

Activity, 2 hours.

Fundamental, intermediate and advanced principles/theories of basic Springboard Diving Skills. Instruction, demonstration and practice of basic forward, backward, inward, reverse and twisting dive skills.

121 Water Activities – Water Polo ‡ (1) UC:CSU RPT3

Prerequisite: None.

Activity, 2 hours.

The sport of water polo will be discussed and taught. Starting with the basic swimming and ball handling skills and advancing to the specifics of game strategy, shooting, defense, offense, counter attack, and game management.

131 Aqua Aerobics (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour, activity, 2.5 hours.

A water aerobic exercise and conditioning class that emphasizes cardiovascular endurance and promotes fitness using water resistance. Students need not be a swimmer to participate in this class.

170 Walking for Fitness (1) CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour; activity 1.5 hours.

This course focuses on achieving cardiovascular fitness and a healthy lifestyle through walking. Course topics include shoe selection, posture, gait, walking styles, flexibility, clothing, creating a walking program, and assessing fitness level.

203 Badminton Skills ‡ (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour, activity, 1.5 hours.

A class fundamental badminton skills, the care and selection of equipment, rules and proper etiquette to be displayed during all phases of play.

219 Table Tennis Skills (1) UC:CSU RPT 3

Prerequisite: None.

Lecture, 0.5 hour, activity, 1.5 hours.

Fundamental principles of the basic skills, strategy and etiquette of table tennis are taught in this course. It includes beginning, intermediate, and advanced techniques for singles and doubles play. Skills and strategy will be developed through drills and game conditions. Physical fitness through table tennis will be emphasized.

225 Yoga Skills ‡ (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour, activity, 1.5 hours.

This course teaches a 5,000 year old form of mostly isometric poses (asanas), breathing techniques, and meditation. Yoga promotes mental, physical, and spiritual fitness. Yoga teaches a "way of life". There are brief lectures covering basic information on hypertension, exercise precautions, body composition, health style, flexibility, nutrition, nutrition supplements, water, physical fitness, nutrition myths, ethics and morality, and stress management.

228 Body Conditioning ‡ (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour, activity, 1.5 hours.

This course will familiarize the student with procedures for evaluating fitness levels and will allow the student to experience the cognitive, affective and psychomotor levels of learning a variety of exercise programs and techniques which will improve the students' level of physical fitness.

229 Body Dynamics ‡ (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour, activity, 1.5 hours.

This course is designed to provide challenging fitness activities by combining resistant exercises with endurance exercises. Emphasis is placed on aerobic activity and resistant exercises based on individual age and physical condition.

238 Self Defense Skills (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour, activity, 1.5 hours.

Self-Defense skills for women against rape and other physical attacks. Covers safety precautions and the promotion of mental and physical well being.

247 Gymnastics Skills (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour, activity, 1.5 hours.

Fundamental, intermediate and advanced principles/theories of basic gymnastics skills on all Olympic events. Instruction, demonstration and practice of basic skills and routines on all events.

250 Tumbling Skills ‡ (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour, activity, 1.5 hours.

Fundamental, intermediate and advanced principles/theories of basic tumbling skills. Instruction, demonstration and practice of basic tumbling skills and routines.

259 Golf Skills (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour, activity, 1.5 hours.

Beginning, intermediate, and advanced levels accepted. Designed to meet the need of the student on all aspects of the sport of golf. Starting with the basics of the grip, stance, swing, posture, and advancing to the specifics of course etiquette, course management, driving, putting and chipping.

284 Bicycle Spinning Class (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour, activity, 1.5 hours.

This course is designed to 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.

301 Baseball Skills (1) UC:CSU RPT3

Prerequisite: None.

Activity, 2 hours.

Baseball skills course. Skills taught will be throwing, fielding, hitting, baserunning, and baseball strategy.

304 Basketball Skills (1) UC:CSU RPT3

Prerequisite: None.

Activity, 2 hours.

This course is designed to teach all levels the basic basketball skills of passing, dribbling, shooting, and rebounding. The course will also introduce individual and team offense and defense, as well as the rules, proper etiquette, terminology, and the components of fitness.

322 Volleyball Skills (1) UC:CSU RPT3

Prerequisite: None

Lecture, 0.5; activity, 1.5 hours

This course is designed to teach the basic volleyball skills of passing, setting, spiking, serving and blocking. The course will introduce individual and team offense and defense systems, as well as the rules proper etiquette, terminology, components of fitness, nutritional and injury prevention strategies for volleyball.

328 Softball Skills ‡ (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5; activity, 1.5 hours.

Instruction in the fundamental skills, techniques, strategies, etiquette and official rules of softball. This course is designed for prospective intercollegiate softball players.

341 Seniorcise (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5; activity, 1.5 hours.

This course provides a combination of fitness activities especially tailored to address the needs and interests of seniors. Includes aerobics, weight training, stretching, walking, and other activities.

503 Intercollegiate Sports - Baseball ‡ (3) UC:CSU RPT1

Prerequisite: None.

Activity, 10 hours or more in sports in season.

Intercollegiate Athletic competitive baseball team course. Skills perfected will include throwing, fielding, hitting, baserunning, and baseball game strategies.

504 Intercollegiate Sports - Basketball ‡ (3) UC:CSU RPT1

Prerequisite: None.

Activity, 10 hours.

Fundamental, intermediate and advance principles/theories and skills of Basketball. Instruction, demonstration and practice of basic basketball skills, include passing, dribbling, shooting, rebounding, individual and team offense/defense and basketball intercollegiate competition.

506 Intercollegiate Sports - Cross Country ‡ (3) UC:CSU RPT1

Prerequisite: None.

Activity, 10 hours.

Intercollegiate athletics. Competitive Cross Country team course. Skills perfected include fundamental, intermediate and advanced principles/theories of basic running. Instruction, demonstration and practice of basic running long slow distance, fartlek training, hill running and interval training. Race strategies.

508 Intercollegiate Sports – Football ‡ (3) UC:CSU RPT1*Prerequisite: None.***Activity, 10 hours.**

Intercollegiate Athletic competitive football team course. Advanced skills for blocking, tackling, ball carrying (offense & defense), running, change in direction, accelerating and decelerating and placement of hands and fingers on football.

511 Intercollegiate Sports – Soccer ‡ (3) UC:CSU RPT1*Prerequisite: None.***Activity, 10 hours.**

Fundamental, intermediate and advance principles/theories and skills of Soccer. Instruction, demonstration and practice of basic soccer skills of passing, dribbling, shooting, goal keeping, individual and team offense/defense and soccer intercollegiate competition.

512 Intercollegiate Sports – Softball ‡ (3) UC:CSU RPT1*Prerequisite: None.***Activity, 10 hours.**

Fundamental, intermediate and advanced principles/theories and skills of Softball. Instruction, demonstration and practice of basic softball skills, including throwing, fielding, hitting, base running, and intercollegiate competition.

513 Intercollegiate Sports – Swimming ‡ (3) UC:CSU RPT1*Prerequisite: None.***Activity, 10 hours.**

Intercollegiate Athletic competitive swimming and diving team course. Instruction, demonstration and practice of fundamental and advanced swimming and diving techniques, including starts, turns, stroke technique, breathing, interval training and intercollegiate competition.

515 Intercollegiate Sports – Track and Field ‡ (3) UC:CSU RPT1*Prerequisite: None.***Activity, 10 hours.**

Intercollegiate Athletic competitive Track and Field team course. Fundamental and Advanced principles/theories of track and field techniques. Instruction, demonstration and practice of sprinting, hurdling, throwing, jumping (vertical and horizontal), pole vaulting, middle and long distance skills.

517 Intercollegiate Sports – Water Polo ‡ (3) UC:CSU RPT1*Prerequisite: None.***Activity, 10 hours.**

Intercollegiate Athletic competitive Water Polo team course. Fundamental and advanced principles/theories of water polo techniques. Instruction, demonstration and practice of swimming, eggbeater, offense, defense, counter attack, man up and man down situations.

549 Intercollegiate Sports – Cheer/Yell Leaders ‡ (3) UC:CSU RPT1*Prerequisite: None.***Activity, 10 hours.**

Fundamental and advanced principles/theories of basic drill patterns, yell and cheerleading routines. Instruction, demonstration and practice of yell/cheerleading skills. Students will be required to perform at athletic events and competitions as part of the course requirements.

552 Athletics Pre-Season Conditioning ‡ (1) UC:CSU RPT3*Prerequisite: None.***Activity, 3 hours.**

This course is designed for the student athlete. The following areas are emphasized: the analysis and training of athletic skills, the analysis of offensive and defensive systems, physical conditioning, strength training and aerobic conditioning.

628 Swim and Run Fitness ‡ (1) UC:CSU RPT3*Prerequisite: None.***Lecture, 0.5, activity, 2.5 hours.**

This course develops cardiovascular endurance and fitness through running and swimming. It enables students to gain awareness of the importance of proper running and swimming techniques, including progressive resistance training and conditioning for the purpose of training for a triathlon.

629 Bicycle Spinning Activity ‡ (1) UC:CSU RPT3*Prerequisite: None.***Lecture, 0.5, activity, 2.5 hours.**

This course is designed to 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.

630 Aerobic Super Circuit Laboratory (1) UC:CSU RPT3*Prerequisite: None.***Lecture, 0.5 hours, activity 2.5 hours.**

Designed for the individual interested in beginning a personal fitness program. Using fundamentals of exercise physiology, each student will assess his/her level of physical fitness, develop fitness goals, design and implement a personalized exercise program to be performed on circuit training equipment.

640 Beginning Lifelong Fitness Center (1) UC:CSU RPT3*Prerequisite: None.***Lecture, 0.5 hours, activity, 2.5 hours.**

This physical fitness course is designed to provide the student with procedures for evaluating individual fitness levels. The student will learn a progression of lifelong fitness exercises for all major muscle groups to improve cardiovascular fitness, muscular strength/endurance, flexibility and body composition.

648 Adapted Exercise for Back Disorders (1) CSU RPT3*Prerequisite: None.***Activity, 3 hours.**

Course is designed to meet the needs of students with disabilities with back and/or neck problems who can benefit from an individualized exercise program. Instruction and practice will be given in individualized exercise, including stretching, resistive exercise, and cardiovascular fitness. Students with disabilities need a medical prescription for exercises from physician.

655 Cross Training Lab (1) CSU RPT3*Prerequisite: None.***Lecture, 0.5 hours, activity 2.5 hours.**

A course designed for the individual interested in using a variety of fitness 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.

661 Archery Skills Activity (1) UC:CSU RPT3*Prerequisite: None.***Lecture, 0.5, activity, 2.5 hours.**

A course in the fundamental skills of target archery. The course emphasizes safety procedures and injury prevention while performing basic shooting techniques at various distances.

662 Badminton (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5, activity, 2.5 hours.

A class in fundamental badminton skills, the care and selection of equipment, rules and proper etiquette to be displayed during all phases of play.

665 Basketball (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5, activity, 2.5 hours.

This course is designed to teach all levels the basic basketball skills of passing, dribbling, shooting, and rebounding. The course will also introduce individual and team offense and defense, as well as the rules, proper etiquette, terminology, and the components of fitness.

666 Body Conditioning**(1) UC:CSU RPT3**

Prerequisite: None.

Lecture, 0.5, activity, 2.5 hours.

This course will familiarize the student with procedures for evaluating fitness levels and will allow the student to experience the cognitive, affective and psychomotor levels of learning a variety of exercise programs and techniques which will improve the students' level of physical fitness.

668 Body Dynamics Activity**(1) UC:CSU RPT3**

Prerequisite: None.

Lecture, 0.5, activity, 2.5 hours.

This course is designed to provide challenging fitness activities by combining resistant exercises with endurance exercises. Emphasis is placed on aerobic activity and resistant exercises based on individual age and physical condition.

670 Judo (1) UC:CSU RPT3

Prerequisite: None.

Activity, 3 hours.

Judo is a self-defense course. Techniques taught include throws, pins, strangles, falls, submission holds, escapes and counter attacks.

677 Soccer (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour activity, 2.5 hours.

This course is designed to teach all levels the 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.

678 Softball (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hours activity, 2.5 hours.

Instruction in advanced softball skills, techniques, rules and game strategies. This course is designed for prospective intercollegiate softball players.

681 Table Tennis (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hours activity, 2.5 hours.

Fundamental principles of the basic skills, strategy and etiquette of table tennis are taught in this course. It includes beginning, intermediate, and advanced techniques for singles and doubles play. Skills and strategy will be developed through drills and game conditions. Physical fitness through table tennis will be emphasized.

682 Tennis (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hours activity, 2.5 hours.

This class is designed to teach all levels the basic tennis skills of the forehand, backhand, volley and serve. This course will also introduce the selection and care of equipment, rules, proper etiquette, terminology, strategies of the game, and components of fitness.

684 Volleyball (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hours activity, 2.5 hours.

This course is designed to teach the basic volleyball skills of passing, setting, spiking, serving, and blocking. The course will introduce individual and team offense and defense systems, as well as the rules, proper etiquette, terminology, components of fitness, nutritional and injury prevention strategies for volleyball.

690 Weight Training (1) UC:CSU RPT3

Prerequisite: None.

Activity, 3 hours.

Weight Training includes an emphasis in the knowledge, understanding and values of building muscle strength and endurance. The course includes instruction in the five health related components of fitness (body composition, muscle strength, muscle endurance, flexibility and cardiovascular fitness). The objective is to develop the student's ability to develop his/her own physical fitness program at any time in life based upon sound physiological principles

695 Swimming Skills Activity (1)**UC:CSU RPT3**

Prerequisite: None.

Lecture, 0.5 hour, Activity, 2.5 hours.

This course is designed to teach the skills of swimming: crawl stroke, backstroke, breaststroke, butterfly, flip turns, starts and finishes. The course will introduce the principles and strategies of endurance and interval training. Upon completion of this course the student will be able to perform the basic strokes, know the rules that govern the different strokes, understand the nutrition and injury prevention strategies for swimming.

696 Yoga (1) UC:CSU RPT3

Prerequisite: None.

Lecture, 0.5 hour; Activity, 2.5 hours.

This course teaches a 5,000 year old form of mostly isometric poses (asanas), breathing techniques, and meditation. Yoga promotes mental, physical, and spiritual fitness. Yoga teaches a "way of life". There are brief lectures covering basic information on hypertension, exercise precautions, body composition, health style, flexibility, nutrition, nutrition supplements, water, physical fitness, nutrition myths, ethics and morality, and stress management.

**Physical Education
Majors Classes**

These are theory classes and they may or may not meet credit for Physical Education activity. Required for Physical Education and Recreation majors and minors.

**710 Officiating Competitive Sports I
(2) UC:CSU**

This class does not meet the credit for Physical Education activity.

Prerequisite: None.

Lecture, 1 hour; laboratory, 2 hours.

The course presents the theory, practice and techniques of officiating Spring Sports, such as baseball, swimming, diving, track and field and other athletic activities.

**711 Officiating Competitive Sports II ‡
(2) UC:CSU**

This class does not meet the credit for Physical Education activity.

Prerequisite: None.

Lecture, 1 hour; laboratory, 2 hours.

The course presents the theory, practice and techniques of officiating Fall Sports, such as football, soccer, volleyball, basketball and other Fall athletic activities.

712 Introduction to Physical Education ‡ (3) UC:CSU

This class does not meet the credit for Physical Education activity.

Required for Physical Education and Recreation majors.

Prerequisite: None.

Lecture, 3 hours.

An introductory course designed to offer the major examples of the requirements of a physical education teacher. A major emphasis is placed on guidance and problem areas faced by physical educators.

713 Introduction to Coaching Athletics ‡ (3) UC:CSU

This class does not meet the credit for Physical Education activity.

Prerequisite: None.

Lecture, 3 hours.

For students wishing to increase their knowledge of the responsibilities of coaching an athletic team. Designed to meet the needs of the student on all aspects in coaching.

718 Fundamentals of Athletic Training ‡ (3) UC:CSU

This class does not meet the credit for Physical Education activity.

Prerequisite: None.

Lecture, 2 hours; activity, 3 hours.

The principles, techniques and ethics used by the athletic trainer in the prevention and care of athletic injuries. Emphasis is placed on the identification of common athletic injuries and ailments, their etiology and the preventative measures, first aid treatment and follow-up care given for them.

719 Advanced Athletic Training ‡ (3) CSU

This class does not meet the credit for Physical Education activity.

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

This course provides students with the opportunity to gain supervised practical experience as an assistant in rehabilitation and athletic training.

722 Introduction to the Group Fitness Instructor (3) CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

This course will prepare students to be a group fitness instructor. Provides an introduction to the art and science of group exercise instruction and emphasizes design and delivery of safe and effective exercise classes. A certificate will be issued upon successful completion of this course.

750 Sports and Ethics (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course addresses a wide range of moral and ethical issues in sports. Topics include values, principles, racial and gender equity, coaching, commercialization, enhancing stimulants and ergogenic aids, eligibility, violence, sportsmanship and Code of Ethics in sports. Examines current and historical events, rules, laws and governing organization.

185 Directed Study - Physical Education (1) CSU RPT2**285 Directed Study - Physical Education (2) CSU****385 Directed Study - Physical Education (3) CSU**

Prerequisite: None.

Lecture 1 hour per unit.

This course allows students to pursue directed studies in Physical Education on a contract basis, under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Physical Education (1-4) CSU

Physical Education is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

PHYSICAL SCIENCE (PHYS SC)**1 Physical Science I (3) UC:CSU**

Prerequisite: None.

Lecture, 3 hours.

Designed for the non-science major, this course provides an introduction to the fundamental principles of physics, chemistry, astronomy and geology. Elementary quantitative concepts are used to supplement the qualitative emphasis of this course.

NO UC CREDIT FOR PHY SCI 1 IF TAKEN AFTER A TRANSFERABLE COURSE IN ASTRONOMY, CHEMISTRY, GEOLOGY, OR PHYSICS.

14 Physical Science Laboratory (1) UC:CSU

Prerequisite: Physical Science 1 with a grade of C or better, or concurrent enrollment..

Laboratory, 2 hours.

Designed for the non-science major, this course will provide an introduction to the laboratory methods and skills used in physics, chemistry, astronomy, and geology. Through experiment, students will visualize and apply basic concepts in physics, chemistry, astronomy, and geology.

PHYSICS**5 Allied Health Physics ‡ (3) CSU**

Prerequisite: None.

Lecture, 3 hours.

A specialized course designed to integrate selected physical facts, principles, and concepts as an essential part of the working knowledge of health care personnel. In addition, the specific relationship of physics to contemporary patient care equipment will be defined. Throughout the course, emphasis will be placed on the utilization of the scientific method in health care situations.

6 General Physics I ‡ (4) UC:CSU

Prerequisite: Math 240 with a grade of C or better.

Lecture/demonstration, 3 hours; laboratory, 3 hours.

The first semester of a two-semester, trigonometry-level sequence in general physics designed for Premedical, Pre dental, Preoptometry, Prepharmacy, Physical Therapy, Medical Technology, Chiropractic, Biology, Geology, Bio-medical Physics and Architecture majors. Physics 6 includes topics in mechanics, heat and sound. Problem solving is an integral part of the course. Students majoring in Physics, Engineering or Chemistry should take Physics 37-38-39.

7 General Physics II ‡ (4) UC:CSU

Prerequisite: Physics 6 with a grade of C or better.

Lecture/demonstration, 3 hours; laboratory, 3 hours.

The second semester of a two-semester trigonometry-level sequence in general physics. Physics 7 includes topics in electricity and magnetism, optics, and modern physics. Problem solving is an integral part of the course.

MAXIMUM UC CREDIT FOR PHYSICS 6/7 COMBINED WITH PHYSICS 37/ 38/39 IS ONLY ONE SERIES.

12 Physics Fundamentals ‡ (3) UC:CSU

Recommended: Math 115.

Lecture, 3 hours.

Conceptual knowledge of fundamental physical laws and their applications including mechanics, heat, sound, light, electricity, relativity, light, and atomic and nuclear physics.

NO UC CREDIT FOR PHYSICS 12 IF TAKEN AFTER PHYSICS 6 OR 37.

37 Physics for Engineers and Scientists I (5) UC:CSU

Prerequisite: Math 265 with a grade of C or better.

Lecture, 4 hours; laboratory, 3 hours.

Designed for Physics, Astronomy, Chemistry, Engineering & Mathematics majors, Physics 37 is the first semester of a three semester calculus-level sequence in introductory college Physics. Topics include kinematics, dynamics, laws of motion, and conservation laws for particles and systems of particles in both translation and rotation.

38 Physics for Engineers and Scientists II ‡ (5) UC:CSU

Prerequisite: Physics 37 and Math 266 with grades of C or better.

Recommended: Math 267.

Lecture, 4 hours; laboratory, 3 hours.

Designed for Physics, Astronomy, Chemistry, Engineering & Mathematics majors, Physics 38 is the second semester of a three semester calculus-level sequence in introductory college Physics. Topics include electric charge and electric fields, electric energy storage, electric currents, magnetism, electromagnetic induction, electromagnetic oscillations, AC circuits, and Maxwell's Equations.

39 Physics for Engineers and Scientists III ‡ (5) UC:CSU

Prerequisite: Physics 37 and Math 266 with grades of C or better.

Recommended: Math 267.

Lecture, 4 hours; laboratory, 3 hours.

Designed for Physics, Astronomy, Chemistry, & Engineering majors, Physics 39 is the third semester of a three semester calculus-level sequence in introductory college Physics. Topics include oscillations, wave motion, sound, thermodynamics, geometric optics, the wave nature of light, special relativity, early quantum theory and models of the atom.

MAXIMUM UC CREDIT FOR PHYSICS 6/7 COMBINED WITH PHYSICS 37/ 38/39 IS ONLY ONE SERIES.

911-921-931-941 Cooperative Education - Physics (1-4) CSU

Physics is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

PHYSIOLOGY (PHYSIOL)

1 Introduction to Human Physiology (4) UC:CSU

Note: Not open for credit to students who have had Physiology 6.

Prerequisite: Anatomy 1, Chem 51, and Biology 3 with grades of C or better.

Lecture, 3 hours; laboratory, 3 hours.

Principles of cellular and systemic functions of the human body. Lecture topics include basic organic chemistry, solute and water transport and balance, homeostatic mechanisms, and functions of major organ systems including, but not limited to, the circulatory, digestive, endocrine, nervous, reproductive, respiratory, immune, and muscle systems. Laboratory experiments and demonstrations of physiological concepts and processes covered in lecture.

MAXIMUM UC CREDIT FOR ANY COMBINATION OF ANATOMY 1, PHYSIOLOGY 1, 8 OR 9 IS 8 UNITS.

911-921-931-941 Cooperative Education - Physiology (1-4) CSU

Physiology is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

POLITICAL SCIENCE (POL SCI)

All courses in Political Science may be taken on a Credit/No Credit basis.

Note: State law imposes on all California State Universities certain graduation requirements in the areas of U.S. History, U.S. Constitution, and state and local government. Courses meeting these requirements for the state universities are listed in the TRANSFER REQUIREMENTS section.

If you took a Political Science course outside of California, see a counselor to make certain you meet the California state and local government graduation requirements.

1 The Government of the United States (3) UC:CSU ❖

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

Introductory survey of U.S. political system. Includes theory, structure and functions of American nation, state and local government. Also includes a brief introduction to the political process, political parties, pressure groups, and relevant contemporary issues. This course fulfills the state graduation requirement in the U.S. Constitution and state and local governments.

2 Modern World Governments (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A comparative study of the major governments of the modern world in terms of their institutions, ideologies, political habits and foreign policies. Emphasis is placed on the governments of Great Britain, France and Germany.

5 The History of Western Political Thought ‡ (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

Surveys important ideas and theories in political thinking that have been developed from the time of the ancient Greeks to the present day. Explores relationships between political theory and political life.

7 Contemporary World Affairs (3) UC:CSU RPT1

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course studies the relationships among nation-states, emphasizing the nation-state system, international diplomacy, international law, and international organizations. The course examines the causes, consequences, and methods of resolving international conflicts as well as the impact of internal economic, political, and military factors on foreign policy.

911-921-931-941 Cooperative Education - Political Science (1-4) CSU

Political Science is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

PSYCHOLOGY (PSYCH)

1 General Psychology I (3) UC:CSU ❖

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course is an introduction to the scientific study of behavior and mental processes, psychological perspectives, theories, concepts, and research. The main topics include: history of psychology, physiological psychology, sensation and perception, consciousness, life span development, learning, memory, cognition, social psychology, motivation and emotion, health psychology, personality, psychological disorders and therapy, gender and sexuality.

2 Biological Psychology (3) UC:CSU ❖

Prerequisite: Psych 1 with a C or better.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course presents a detailed study of the physiology and anatomy of the biological systems fundamental to behavior and experience. The course will cover the central and peripheral nervous system and response systems from various perspectives. Students will examine the relationship of biological mechanisms as they relate to the psychological processes of sensation, perception, consciousness, attention, sleep, motivation, sexuality, emotion, learning and memory, intelligence, and psychological disorders.

3 Personality and Social Development (3) CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course focuses on the psychology of personality, human identity, self-awareness, and personal growth in contemporary society. The course provides an applied understanding of our impressions of and presentations to others based on personality theory and social and psychological processes. Students acquire new knowledge and skills through selected readings, class discussion, demonstrations and group exercises.

11 Child Psychology (3) UC:CSU

Prerequisite: Psych 1 with a grade of C or better.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

The focus of this course is on the psychological development of the child from infancy to adolescence. This course covers major principles derived from recent research and basic theories including Freud, Erikson Piaget and Vygotsky. It also covers the implications of hereditary, prenatal, family, peer and educational influences; maternal and infant health; the attachment process and bonding; language development; learning; cognitive, emotional, social and physical growth; and moral development. Observational techniques and cross-sectional comparisons are explored.

12 Adolescent Psychology ‡ (3) UC:CSU

Prerequisite: Psych 1 with a grade of C or better.

Recommended: English 28, English 363, or placement into English 101.

Offered Spring semester only.

Lecture, 3 hours.

This course covers physical, social, emotional and cognitive development of adolescents including male/female roles and stereotypes, cross cultural differences in adolescence, and psychological needs of the period and how they may be met. Lectures introduce major theories and research strategies in adolescent development and integrates applied aspects such as parent-adolescent conflict and adolescent substance use.

13 Social Psychology (3) UC:CSU

Prerequisite: Psych 1 with a grade of C or better.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course examines how individuals are influenced by the behavior and presence of others. Topics include: liking and loving; forming impressions; aggression; changing attitudes; interactions within groups; and the psychology of conformity, obedience, and prejudice.

14 Abnormal Psychology (3) UC:CSU

Prerequisite: Psych 1 with a grade of C or better.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course considers the major diagnostic, etiologic, and treatment issues for a variety of categories of abnormal behavior and psychological disorders. The course examines disorders related to anxiety, stress, mood, schizophrenia, eating, substance abuse, memory and organic dysfunctions, and personality. Social, cultural, legal and ethical issues of psychopathology are included.

17 The Exceptional Child ‡ (3) CSU

Prerequisite: Psych 1 with a grade of C or better. Offered Fall semester only.

Lecture, 3 hours.

This course offers students an opportunity to study children who do not follow the normal developmental process - autistic, mentally retarded, gifted, educationally handicapped, neurologically impaired, emotionally disturbed, and children with other learning and emotional disorders. Includes different theoretical orientations and discussion of practical applications.

41 Life-Span Psychology: From Infancy to Old Age (3) UC:CSU

Prerequisite: Psych 1 with a grade of C or better.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course covers individual psychological development from conception to death, including physical, cognitive and psychosocial aspects. Major theories and research methodologies are introduced. Family, peer, education and social influences on intelligence, gender, personality and relationships are explored. Practical applications are emphasized.

60 Stress Management (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course examines how stress influences our lives. Course topics include stress reduction, relaxation techniques, time management, stress management, psychophysiological factors, the roles of health, exercise and nutrition, and occupational, personal, and age-related stress issues.

66 Introduction to Critical Thinking (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course provides students with an understanding of the basic critical thinking principles as they relate to psychology. Topics include reasoning, logical concepts, language, fallacies, analyzing arguments, the media, argumentative essays, and science and pseudoscience as they relate to real life and to psychological concepts and principles.

911-921-931-941 Cooperative Education - Psychology (1-4) CSU

Psychology is approved for Cooperative Work Experience Education credit.

See Cooperative Education, page 77, for prerequisite, course description and credit limits.

READING

The Reading Center (Bungalows 45, 46, and 47) has classes for reading and study skills improvement. Courses and independent study programs offered cover speed reading, comprehension skill, note-taking, and vocabulary development. The Lab is also open for practice at posted hours.

REAL ESTATE (REAL ES)**1 Real Estate Principles (3) CSU**

Prerequisite: None.

Lecture, 3 hours.

The basic real estate course covering fundamental principles of real estate. Provides background and terminology necessary for advanced study in specialized courses. Course must be completed prior to taking Real Estate Salesman's Licensing Test. Applies toward the mandatory educational requirements for the sales license.

3 Real Estate Practices (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course deals with the day-to-day operations in real estate brokerage, including listing, prospecting, advertising, financing, sales techniques, escrow and ethics. Applies toward mandatory requirement for the brokers license.

5 Legal Aspects of Real Estate I (3) CSU

Prerequisite: None.

Lecture, 3 hours.

A study of real estate law including rights incident to property ownership and management, agency contracts; application to real estate transfer, conveyancing, probate proceedings, trust deeds, and foreclosures; recent legislation governing real estate transactions. Meets mandatory educational requirements for California real estate broker examination.

7 Real Estate Finance I (3) CSU

Prerequisite: Real Es 1 or 3 with a grade of C or better.

Lecture, 3 hours.

Analysis of real estate financing, including lending policies and problems in financing transactions in residential, apartment, commercial, and special purchase properties. Methods and sources of financing emphasized. Applies toward mandatory educational requirement for California real estate brokers examination.

9 Real Estate Appraisal I (3) CSU

Prerequisite: Real Es 1 with a grade of C or better.

Lecture, 3 hours.

An introductory course covering the purposes of appraisals, the appraisal process, and the different approaches, methods and techniques used to determine the value of various types of property. Emphasis is on residential and single-units property. Applies toward the mandatory educational requirement for real estate brokers examination.

11 Escrow Principles (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers the principles used in handling escrows involving real estate transactions and the transfer of land titles. This includes title insurance, tax issues, prorations, vesting, securing of loans, recording of documents and settlement procedures. The basic methods and techniques of escrow holders as well as an introduction to the types of instruments, forms and documents used by escrow holders from escrow opening through post-closing activities, will be covered.

12 Escrow Practices (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers the practical aspects of providing escrow services for a variety of property transactions. It focuses on the processes utilized by the escrow provider in the completion of typical escrows for particular types of sales including, residential transactions, business opportunity sales, loan refinances, section 1031 exchanges, mobile home transfers, commercial property sales, amongst others. An emphasis is placed on the taking, processing and closing aspects of each type of escrow. It provides extensive experience and practice in the preparation and selection of forms and documents utilized in transactions.

14 Property Management (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This is a course in the management of income producing properties, including residential, retail, offices, and industrial. The various kinds of income properties are analyzed, along with their management requirements including leasing, collections, tenant selection, record keeping, financial statements, fair housing laws, evictions, maintenance, liability issues, and the economics of selecting a particular type of property for investment. An emphasis is also placed on sustainable environmental policies that may be put into place by management.

18 Real Estate Investments I (3) CSU

Prerequisite: Real Es 1 with a grade of C or better.

Lecture, 3 hours.

This is an advanced course in the analysis of investment factors considered in the evaluation of commercial, industrial and residential properties including condominiums and cooperatives. It includes site location, zoning and other record restrictions, financing, installment sales, exchanges, sales and leaseback, tax considerations, cash flow and other tools of analysis, environmental constraints and marketing considerations.

21 Real Estate Economics (3) CSU

Prerequisite: Real Es 1 or 7 with a grade of C or better.

Lecture, 3 hours.

Economic trends and factors affecting Real Estate values. Examines cycles and economic fluctuations.

24 Common Interest Developments (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This course covers the principles of common interest developments and the management of homeowner associations. The course will examine the legal requirements and creation of common interest developments such as condominiums, planned unit developments, recreational and resort properties, retirement facilities and cooperative apartments. The legal and practical aspects of the homeowner association creation and operation will be analyzed.

911-921-931-941 Cooperative Education - Real Estate (1-4) CSU

Real Estate is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

RECREATION (RECR)**81 Field Work I ‡ (4) CSU**

Prerequisite: None.

Lecture, 1 hour; field work, 6 hours.

Internship in recreation agency or related activity while under the supervision of qualified personnel.

82 Field Work II ‡ (4) CSU

Prerequisite: None.

Lecture, 1 hour; field work, 6 hours.

Internship in a recreation agency or related activity with responsibility to plan, conduct and evaluate activities, while under the supervision of qualified personnel.

83 Field Work III ‡ (4) CSU

Prerequisite: None.

Lecture, 1 hour; field work, 6 hours.

Internship in a recreation agency or related activity with responsibility to supervise recreation aides and/or group leaders, while under the direction of qualified personnel.

911-921-931-941 Cooperative Education - Recreation (1-4) CSU

Recreation is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

RESPIRATORY THERAPY (RESP TH)

Enrollment in all classes listed below except Respiratory Therapy 1 and Respiratory Therapy 2 limited to students enrolled in the Respiratory Therapy Phase II program All transcripts outside of LACCD must be submitted by November 1st to validate corequisites in RT2 to be considered for the acceptance pool. In the event that there are more applicants than clinical space available, enrollment into the clinical internship will be determined by active application date to LAVC.

(Students must be formally admitted to Phase II, the clinical phase of the Respiratory Therapy program which includes Respiratory Therapy 3, 4, 5, 6, 7, 8, 11, and 15. Consult the Health Science Department for details.) For more information on the RT Program Application Process and Phase II requirements see page 70.

1 Introduction to Respiratory Therapy ‡ (1)

Prerequisite: None.

(Offered in Fall and Spring Semesters)

Lecture, 1 hour.

An introduction to the profession of respiratory therapy with emphasis on the duties, responsibilities and qualifications of a respiratory therapist. An introduction of techniques and essential equipment for patient treatment is presented.

2 Fundamentals of Respiratory Therapy ‡ (4)

Corequisites: Anatomy 1 and Physiol 1; Chem 51; Micro 20; Physics 5 and Resp Th 1.

Lecture, 3 hours; laboratory, 3 hours.

Basic respiratory therapy theory, application, and equipment. This course acquaints the student with most of the available equipment used in the field of respiratory therapy, and its maintenance.

3 Applications of Respiratory Therapy & Clinical Experience I ‡ (5)

Prerequisite: Resp Th 6 and Resp Th 15 with grades of C or better.

Offered only in the Summer semester.

Lecture, 1 hour; laboratory, 12 hours.

The student is introduced to the hospital and its facilities. Patient relationships and care in many specialty areas are explained and experience obtained. The acute treatment of the severely ill patient is explained in detail.

4 Applications of Respiratory Therapy & Clinical Experience II ‡ (5)

Prerequisite: Resp Th 3 and Resp Th 6 with grades of C or better.

Corequisite: Resp Th 7 and 8.

Offered only in the Fall semester.

Laboratory, 15 hours.

The student begins to receive instruction in the sub-specialty fields of medicine. An introduction to cardiopulmonary resuscitation and mechanical ventilation is provided to expand the knowledge and clinical performance.

5 Application of Respiratory Therapy & Clinical Experience III ‡ (5)

Prerequisites: Resp Th 4, 7 and 8 with grades of C or better.

Offered only in the Spring semester.

Laboratory, 15 hours.

The student is exposed to the total treatment of the patient. Case presentations and discussion periods are held weekly, including pediatric and neonatal cases.

6 Respiratory Physiology ‡ (4)

Prerequisites: Resp Th 1 and 2 with grades of C or better.

Corequisites: Resp Th 15.

Offered only in the Spring semester.

Lecture, 3 hours; laboratory, 3 hours.

Respiratory physiology is presented in detail, including perfusion, ventilation and diffusion, extensive anatomy, transport of blood gases and their determination and acid-base balance.

7 Applied Medicine and Pathology ‡ (3)

Prerequisite: Resp Th 3 and 6 with grades of C or better.

Corequisites: Resp Th 4 and 8.

Offered only in the Fall semester.

Lecture, 2 hours; laboratory, 3 hours.

Physiology and pathology necessary to the understanding of the treatment of the patient by the respiratory therapist are presented. Pharmacology of drugs used in Respiratory Therapy is provided.

8 Administrative Procedures of Respiratory Therapy ‡ (1)

Prerequisite: Resp Th 3 and 6 with grades of C or better.

Corequisites: Resp Th 4 and 7.

Offered only in the Fall semester.

Lecture, 1 hour.

Acquaints the student with the principles and practices involved in the supervision of a respiratory therapy department.

11 Application of Respiratory Therapy & Clinical Experience IV ‡ (5)

Prerequisite: Resp Th 4, 7, and 8 with grades of C or better.

Offered only in the Spring semester.

Laboratory, 15 hours.

The student is exposed to the total treatment of the patient. Case presentations and discussion periods are held weekly. Pulmonary function testing and home care is discussed and experience is obtained.

15 Introduction to Clinical Experience ‡ (4)

Prerequisite: Resp Th 1 and 2 and Psych 1 all with grades of C or better.

Corequisite: Resp Th 6.

Offered only in the Spring semester.

Laboratory, 12 hours.

Clinical insight in the actual duties of a respiratory therapist and an introduction to patient relationships. In addition, the student will learn the uses of sterilization methods, medical gas therapy, and aerosol therapy.

911-921-931-941 Cooperative Education - Respiratory Therapy (1-4) CSU

Respiratory Therapy is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

SOCIAL SCIENCE (SOC SCI)

1 Introduction to the Social Sciences (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

An introduction to the social sciences (including anthropology, economics, geography, history, political science, psychology and sociology). Includes social science theory and methods and the application of these to the analysis of social institutions and personal realities. Topics include culture, race and ethnicity, sex and gender, religion, family and poverty and social stratification. Careers in the social sciences are also explored.

SOCIOLOGY (SOC)

1 Introduction to Sociology (3) UC:CSU ❖

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This introductory course provides a set of concepts and theories to describe and explain the social behavior of human beings and organization of society. Students examine subjects such as culture, deviance, sexuality, media, social stratification, and the institutions of the family, religion, education, politics, and the economy.

2 American Social Problems (3) UC:CSU ❖

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

Sociological concepts and theories are used to describe and explain a range of social problems that exist in the United States, such as issues of prejudice, discrimination, suicide, drugs, crime, wealth and poverty, political radicalism and weapons of mass destruction. We will also analyze the effectiveness of attempted and potential solutions to these social problems.

3 Crime and Delinquency (3) UC:CSU ❖

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

Examines the nature of crime and delinquency including theories of causation, types of adult and juvenile offenses, and efforts by society to cope with law violations. Emphasis is placed upon programs for the prevention, correction, and rehabilitation within the justice system.

4 Sociological Analysis (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This class considers the logic of the scientific analysis of society and social institution. Analyzes the various methodological tools utilized in social science research and emphasizes clarification of basic social science issues. Topics include research design, conceptualization, measurement, sampling methodology, and both qualitative and quantitative data analysis. Students will analyze specific data collected in the field.

11 Race and Ethnic Relations (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course examines the definitions, history, and experiences of ethnic and racial groups in this country. Attention is given to Black, Latino, Native American, Asian American, Arab Americans, and white ethnic groups. Discussion includes the social, economic, and political factors affect racial/ethnic group relations; the sources of discrimination and prejudice; and whether social equality between different groups is possible.

12 Marriage and Family Life (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course deals with the family as a social institution, its structure and functions, including historical changes, emerging patterns, and the influence of contemporary society and social forces that shape the family such as race, class, gender and sexuality. *Students may not earn credit for both Soc 12 and FAM &CS 31.*

17 Introduction to Counseling (3) CSU

Prerequisite: None.

Lecture, 3 hours.

Introduction to methods, major theories and techniques of counseling.

Representative problems covering a wide range of settings are considered. Topics include: dysfunctional families, domestic violence, incest, crisis intervention, suicide prevention, drug and alcohol abuse, sociopathic personalities, school bullying, trauma, death and dying, serial killers, and the nature of neuroses and psychoses. Career planning issues are also considered.

21 Human Sexuality (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This interdisciplinary course presents a sociological and psychological introduction to human sexuality and human sexual behavior. It will discuss the psycho-sexual development of the individual, the scripts that are learned in our culture, the comparative information from other cultures and other times in our history, how people use sexuality in interpersonal relationships. The study of the anatomy and physiology of the human sexual system, the physical and emotional orgasmic response, myths and misconceptions, sexual variance and dysfunction all will be used to help the student to achieve a realization of his/her own unique sexuality.

22 Sociology of Women (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course is a sociological analysis of gender and sex in contemporary American society. A particular emphasis is placed on the political, social and economic status of women. Topics include the social forces that help to shape the experience of women such as race, class, the social construction of gender and sexuality.

25 Drugs and Culture ‡ (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

A cross cultural study of mind-altering drugs, including alcohol, marijuana, hallucinogens, ecstasy, methamphetamines, cocaine, inhalants, and others. Social, psychological, and biological effects of drug use are analyzed within a cultural and political context. Drugs and their effects on the population are considered both for the user and non-user. Cultural aspects of drug use are examined using class, race, and gender as mediating factors, as well as the values and norms placed upon their use. Societal systems are examined to understand why substances are labeled as drugs. The economic, legal and judicial systems and their relations to the concepts of drug usage are looked at in several societies. Emphasis is placed upon methods of treatment and penalties attached to the violation of the norms on drug usage.

35 The Labor Movement (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

This course presents an overview and history of the labor movement in the U.S. beginning with slavery and moving on to the rise of labor unions and the middle class. The sociological perspective on labor includes major figures in the labor movement, prominent theories, and analysis of the impact on labor of the Industrial Revolution and wars.

84 SIMSOC: Simulated Society (1)

Prerequisite: None.

Lecture, 1 hours.

Students simulate a society, actively learning sociological concepts such as status, role, primary group, power, and hierarchy. The game takes approximately 14 hours to play and students have great fun learning about the working of society and how societal structure emerges from group dynamics and the exchange of resources.

185 Directed Study - Sociology (1) CSU RPT2**285 Directed Study - Sociology (2) CSU****385 Directed Study - Sociology (3) CSU**

Prerequisite: None.

Recommended: English 101.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Sociology on a contract basis under the direction of a supervising instructor. See current schedule of classes for details.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Sociology (1-4) CSU

Sociology is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

SPANISH**1 Elementary Spanish I (5) UC:CSU**

Prerequisite: None.

Lecture, 5 hours.

Emphasizes the fundamentals of Spanish pronunciation, grammar, vocabulary, sentence structure, and idiomatic expressions; stresses the ability to understand read, write, and speak simple Spanish; introduces cultural insights into Spanish and Latin American worlds. Use of the language laboratory may be required. Basic computer knowledge required for interactive activities.

2 Elementary Spanish II (5) UC:CSU

Prerequisite: Spanish 1 or Spanish 22 with grade of C or better, or equivalent skill level.

Lecture, 5 hours.

Completes the study of elementary grammar. Includes the reading of simplified texts with continued emphasis on aural and written comprehension, oral expression, and the writing of simple Spanish. Further study of Spanish and Hispanic cultures. Use of the language laboratory may be required. Basic computer skills required for accessing online activities.

3 Intermediate Spanish I (5) UC:CSU

Prerequisite: Spanish 2 with grade of C or better, or equivalent skill level.

Lecture, 5 hours.

A more intensive study of the language, including idiomatic expressions and irregular structures. Stress on fluency in oral expression and facility in writing.

Comprehensive review of grammar and study of advanced grammatical concepts. Extensive reading and discussion in Spanish of literary and cultural texts. Discussion, in Spanish, of Spanish and Spanish-American life and difficulties. Basic computer skills required for accessing online activities.

4 Intermediate Spanish II

(5) UC:CSU ❖

Prerequisite: Spanish 3 with grade of C or better or equivalent skill level.

Lecture, 5 hours.

Further development of writing and communication skills through the study of representative Spanish and Latin American literary and cultural works; focus is on analysis and discussion. Sustained study of grammar and vocabulary with emphasis on complex structures, stylistics, and use of idiomatic expressions. Basic computer skills required for accessing online activities.

5 Advanced Spanish I ‡ (5) UC:CSU ❖

Prerequisite: Spanish 4 with a grade of C or better or equivalent skill level.

Lecture, 5 hours.

Introduction to the major literary movements in Latin American literature through the study of representative literary and cultural texts of different genres. Emphasis on improving oral expression, comprehension, reading and textual analysis, and composition. Stresses oral and written reports within the context of Latin American literature and civilization. Basic computer skills required for accessing and performing online activities.

6 Advanced Spanish II ‡ (5) UC:CSU ❖

Prerequisite: Spanish 5 with a grade of C or better or equivalent skill level.

Lecture, 5 hours.

Study of the major literary movements in Spanish literature through the study of representative literary and cultural texts of different genres. Emphasis on improving oral expression, comprehension, reading and textual analysis, and composition. Stresses oral and written reports within the context of the literature and civilization of Spain. Basic computer skills required for accessing and performing online activities.

8 Conversational Spanish ‡ (2) UC:CSU RPT3

Prerequisite: Spanish 2 with a grade of C or better or equivalent skill level. (Not open to native speakers of Spanish)

Lecture, 2 hours.

Practical conversation and improvement of conversational fluidity based on everyday experiences, current events, cinema, cultural topics and readings. Emphasis on use of idiomatic expressions and current usages. Training in pronunciation, enunciation, and vocabulary-building. Basic computers required for accessing online information. Not open to native speakers of Spanish.

SPANISH 8 IS REPEATABLE BUT MAXIMUM UC CREDIT IS 4 UNITS.

9 Hispanic Civilization ‡ (3) UC:CSU

Prerequisite: None.

(Taught in English)

Lecture, 3 hours.

A study of the origins, growth and development of Spanish civilization in the various domains. Emphasis on Spain's cultural history, art, architecture, music, and the minor arts. It is especially recommended for all students of Spanish and is required of Spanish majors at the University of California, Los Angeles. Taught in English.

10 Latin-American Civilization ‡ (3) UC:CSU ❖

Prerequisite: None. (Taught in English)

Lecture, 3 hours.

A study of the geography, history, customs, political movements, literature and arts of Spanish-speaking and Portuguese-speaking people of the Americas. Especially recommended for all students of Spanish. Taught in English.

12 Contemporary Mexican Literature ‡ (3) UC:CSU ❖

Prerequisite: None.

(Same as Chicano Studies 42)

Lecture, 3 hours.

An introduction to major historical events and literary movements in Mexico, with a focus on 20th century Mexican literature read in translation. Lectures, readings and discussions in English.

16 Mexican Civilization ‡ (3) UC:CSU

(Same as Chicano Studies 44)

Prerequisite: None.

(Taught in English)

Lecture, 3 hours.

Considers the significant elements of pre-Columbian Mexican civilization, the impact of the Spanish domination upon the indigenous population and its influence upon the mores, art, and industry. Studies in the history, literature, art, music of Mexico as they evolved from colonial times to the present. The impact of the Mexican Revolution upon all the Americas is considered. Examines the present-day culture of Mexican-Americans as influenced by their Mexican heritage and life in the United States.

21 Fundamentals of Spanish I ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course is for absolute beginners.

Covers the first half of Spanish 1.

Introduction to the fundamentals of Spanish pronunciation, grammar, vocabulary, sentence structure, and use of idiomatic expressions. Stresses the ability to understand, read, write, and speak simple Spanish. Introduces cultural insights into Spanish and Spanish-speaking worlds. Use of the language laboratory may be required. Basic computer knowledge required for interactive activities. Spanish 21 + 22 are equivalent to Spanish 1.

SPANISH 21 & 22 COMBINED: MAXIMUM UC CREDIT, 5 UNITS. BOTH MUST BE TAKEN FOR ANY UC CREDIT TO BE GRANTED.

22 Fundamentals of Spanish II ‡ (3) UC:CSU

Prerequisite: Spanish 21 with a grade of C or better.

Lecture, 3 hours.

Continuation of Spanish 21. Covers the second half of Spanish 1. Introduction to the fundamentals of Spanish pronunciation, grammar, vocabulary, sentence structure, and idiomatic expressions. Stresses the ability to understand, read, write, and speak simple Spanish. Introduces cultural insights into Spanish and Spanish-speaking worlds. Use of the language lab may be required. Basic computer use required for online assignments. Spanish 21 + 22 are equivalent to Spanish 1.

SPANISH 21 & 22 COMBINED: MAXIMUM UC CREDIT, 5 UNITS. BOTH MUST BE TAKEN FOR ANY UC CREDIT TO BE GRANTED.

35 Spanish for Spanish Speakers I (5) UC:CSU

Prerequisite: None.

Lecture, 5 hours.

Designed to address the needs of the bilingual student. An introduction to written Spanish with an emphasis on the acquisition of a solid grammatical base, vocabulary enrichment and spelling. Addresses all four skills in Spanish (speaking, listening, reading, writing), but focuses on reading and writing. Includes readings on the geography, customs and culture of Spain and Latin America. Credit given for either Spanish 35 or Spanish 1, but not both.

36 Spanish for Spanish Speakers II (5) UC:CSU

Prerequisite: Spanish 35 or Spanish 1 with a grade of C or better or equivalent skill level.

Lecture, 5 hours.

A continuation of Spanish 35. Advances the study of grammar and complex vocabulary. Addresses all four skills in Spanish (speaking, listening, reading, writing), but continues to focus on the development of reading and writing skills. Further study of Spanish and Latin American cultures and civilization.

Credit given for either Spanish 36 or Spanish 2, but not both.

46 Chicano Literature/Literatura Chicana ‡ (3) UC:CSU ❖

(Same as Chicano Studies 37)

Prerequisite: None.

Lecture, 3 hours.

An analysis of the literary, social, and historical aspects of works written by Mexican American authors. Course will be conducted in English but texts may be read in either English or Spanish.

48 Introduction to Spanish Translation I ‡ (3) CSU

Prerequisite: Spanish 3 with a grade of C or better or equivalent level.

Lecture, 3 hours.

An introduction to basic translation theory with emphasis on grammar, vocabulary and idiomatic expressions. Focus on Spanish-to-English and English-to-Spanish translation of consumer-oriented texts, such as commercial advertisements, correspondence, legal documents, news articles, and websites. For students whose career options require bilingual skills.

185 Directed Study - Spanish (1) CSU RPT2

285 Directed Study - Spanish (2) CSU

385 Directed Study - Spanish (3) CSU

Prerequisite: Approval of project.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Spanish on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Spanish (1-4) CSU

Spanish is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

SPEECH

61 Speech Laboratory (1) NDA RPT3

Prerequisite: None.

Laboratory, 3 hours.

This English Speech as a Second Language (ESSL) course is designed to help the native and non-native speakers improve articulation, voice and communication skills through individualized programs, including small group instruction and specially designed computer lessons. Also for those with voice, speech and articulation problems. The Speech Lab is designed to complement the work done by students enrolled in Speech Communication 63, 64, 66, 111 and 113.

62 Speech Laboratory Techniques ‡ (1) NDA RPT3

Prerequisite: None.

Laboratory, 3 hours.

This English Speech as a Second Language (ESSL) course is designed to assist students in acquiring sounds of American speech through an individualized program of instruction that is more advanced than speech 61. The Speech Lab is designed to complement the work done by students enrolled in Speech Communication 63, 64, 66, 111 and 113.

63 Beginning Conversational Speech Skills (3) RPT1

Prerequisite: None.

Lecture, 3 hours.

This English Speech as Second Language (ESSL) course is designed for students who wish to improve their aural comprehension of English and to increase their ability to make themselves understood, using conversational American English speech. This is the introductory level ESSL course.

64 Basic Speech Skills (3) NDA RPT1

Prerequisite: None.

Lecture, 3 hours.

This English Speech as a Second Language (ESSL) course is designed to help non-native speakers acquire basic American speech/English sounds, including introduction to vowel sounds and consonant blends. This is the second level ESSL course.

66 Advanced Speech Skills (3) NDA RPT1

Prerequisite: None.

Lecture, 3 hours.

This English Speech as a Second Language (ESSL) is designed for students who have a basic ability to produce American English speech sounds, but who need to acquire and/or improve their ability to produce difficult consonant and vowel sounds, and to produce complicated consonant blends and clusters. Although principally directed toward expressive speech, students will also be made aware of the differences between English phonemes and the sounds of their own language. This is the third level ESSL course.

101 Oral Communication I (3) UC:CSU ❖

Prerequisite: None.

Lecture, 3 hours.

An introductory course stressing the need for effective oral communication. The emphases in the course are on: structuring various types of speeches, researching information, audience analysis, presentation of speeches and building self confidence in public speaking situations.

102 Oral Communication II (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

An introductory course that emphasizes the debate process. Fundamentals of effective argumentative speaking are examined. Oral activities are used extensively as learning devices.

104 Argumentation (3) UC:CSU ☼

Prerequisite: None.

Lecture, 3 hours.

A critical thinking class in the foundation and strategies of argument, logical reasoning, rational thinking and decision making. Emphasis is placed on both how and why we make the decisions we do. Topics explored include: claims, definitions, evidence, reasoning, fallacies, and case.

105 Critical Thinking (3) UC:CSU ☼

Prerequisite: English 101 with a grade of C or better.

Lecture, 3 hours.

Instruction in this course is designed to allow students an understanding of the relationship of language to logic, which should lead to the ability to analyze, criticize and advocate ideas, to reason inductively and deductively, and to identify the assumptions upon which particular conclusions depend. This class has a minimum 6,000 word writing component.

106 Forensics (2) CSU RPT3

Prerequisite: None.

Laboratory, 7 hours.

This course provides advanced training in public speaking, argumentation skills and intercollegiate competition in public debate.

111 Voice and Articulation (3) CSU

Prerequisite: None.

Lecture, 3 hours.

This English Speech as a Second Language (ESSL) course is designed for students to study and practice methods of voice development, speech sound production, articulation, pronunciation and prosody. This is the fourth level ESSL course.

113 English Speech as a Second Language (3) CSU RPT1

Prerequisite: None.

Lecture, 3 hours.

This English speech improvement class is for students with foreign language backgrounds and stresses pronunciation, intonation, idiomatic expressions, phrasing, grammar and vocabulary. Includes speaking assignments prepared by students. After speech 63, 64, 66 and 111, this is a fifth level English Speech as a Second Language class.

121 The Process of Interpersonal Communication (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

A lecture/activity/discussion course which proceeds through an analysis of the views of the scope and purpose of human communications. Factors involved in the process of communicating. Perception, self image, listening, non-verbal, conflict, language, relationships. Emphasis is placed on the process of interpersonal communication.

122 Communication Across Cultures (3) UC:CSU

Prerequisite: None.

Recommended: English 28, English 363, or placement into English 101.

Lecture, 3 hours.

Examines communication in the context of intercultural interactions. Explores verbal and nonverbal communication similarities and differences in communication across cultures. Provides strategies to enhance interpersonal communication skills within the context of intercultural communication.

130 Introduction to Oral Interpretation of Literature (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

Development of the students ability to understand, appreciate, relate to, and perform various forms of literary art. Emphasis is placed on the selection and adaptation of worthwhile literary material, as well as on artistic and effective vocal and gestural presentation.

137 Interpreters Theater (1) UC:CSU RPT3

Prerequisite: None.

Laboratory, 3 hours.

Supervised activity in group interpretation of various forms of literary and non-literary materials. Oral presentation of scripted materials ranging from group arranged original writings to traditional literary forms. Emphasis is placed on developing public presentation skills and techniques.

151 Small Group Communication (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

Provides an analysis of the purposes, principles, and types of group processes. Development of individual skills in leadership, problem solving is achieved by responsible group participation.

185 Directed Study - Speech Communication (1) CSU RPT2**285 Directed Study -****Speech Communication (2) CSU****385 Directed Study -****Speech Communication (3) CSU**

Prerequisite: None.

Conference, 1 hour per unit.

Allows student to pursue Directed Study in Speech Communication on a contract basis under the direction of a supervising instructor.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Speech Communication (1-4) CSU

Speech Communication is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

STATISTICS (STAT)

(For Statistics see also Math 225)

1 Elementary Statistics I for the Social Sciences (3) UC:CSU ☼

Prerequisite: Math 125 with a grade of C or better or equivalent.

Lecture, 3 hours.

This course introduces the fundamental tools of quantitative methods in research including techniques of data collection, organization, presentation, analysis and interpretation. Special attention is given to such topics as (1) tabulation and graphic presentation of data; (2) measures of central tendency and variability of sample data; (3) the normal curve and its properties; (4) introduction to probability and statistical inference; (5) linear correlation; and (6) research methods.

MATH 225 AND STAT 1 COMBINED, MAXIMUM UC CREDIT, ONE COURSE.

2 Elementary Statistics II (4) CSU

Prerequisite: Math 125 with a grade of C or better or equivalent.

Lecture, 4 hours.

Introduces the fundamental tools of quantitative methods in research including techniques of data collection, organization, presentation, analysis and interpretation, using appropriate technologies (e.g., statistical software). Special attention is given to such topics as tabulation and graphic presentation of data; measures of central tendency and variability of sample data; the normal curve and its properties; introduction to probability and statistical inference; linear correlation; and research methods.

THEATER

Theater majors should take two of the following: Theater 301, 310, 315, 325, 450.

100 Introduction to the Theater (3) UC:CSU

Prerequisite: None. Open to all students.

Lecture, 3 hours.

A survey course which introduces beginning students to the art and the craft of the live theater, its historical and cultural background, its fundamental skills, activities and opportunities, and its significance in contemporary societies, through lectures, demonstrations, projects, and assigned readings.

110 History of the World Theater I (3) UC:CSU

Prerequisite: None.

Recommended: English 101.

Required of all theater majors.

Open to all students.

Lecture, 3 hours.

A history of the development of the theater, its playwrights, structures, and methods of staging and acting from the Greeks to the beginning of the modern theater.

112 History of the World Theater II (3) UC:CSU

Prerequisite: None.

Recommended: English 101.

Lecture, 3 hours.

A history of the development of the theater, its playwrights, structures and methods of staging and acting, from English Restoration through the Twentieth Century, including development of Eastern forms of theatre.

125 Dramatic Literature ‡ (3) UC:CSU

Prerequisite: None. A grade of C or better in English 101.

Lecture, 3 hours.

Critical reading of and writing about plays from classical Greek times to modern drama.

Students may not earn credit in both Theater 125 and English 213.

130 Playwriting ‡ (3) UC:CSU RPT1

Prerequisite: None.

Lecture, 3 hours.

Training is given in the fundamentals of effective stage, film, and television writing leading to possible production in the one-act program or film workshop.

225 Beginning Direction (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

A study of the principles of casting, rehearsal scheduling, aims and conducting of rehearsals: Orchestration of all production phases is made through lectures, reading assignments, class projects and the preparation of a complete directors production script.

227 Advanced Direction (3) UC:CSU RPT1

Prerequisite: Theater 225 with a grade of C or better.

Laboratory, 6 hours.

Practical experience in the direction and production of a one act play in the Laboratory Theater or other productions under Faculty supervision.

232 Play Production (2) UC:CSU RPT3

Prerequisite: None.

Laboratory, 6 hours.

This class is designed for student participation in the current play productions of the Theater Department: for example: lights, sound, props, wardrobe, acting, etc. Student must be available for performance schedules. Student must contact the department chair by the end of the first week of the semester for continued enrollment. For more information, contact the department chair.

233 Play Production (3) UC:CSU RPT3

Prerequisite: None.

Laboratory, 9 hours.

This class is designed for student participation in the current play productions of the Theater Department: for example: lights, sound, props, wardrobe, acting, etc. Student must be available for performance schedules. Student must contact the department chair by the end of the first week of the semester for continued enrollment. For more information, contact the department chair.

240 Voice and Articulation for the Theater ‡ (3) UC:CSU

Prerequisite: None.

Designed for performing arts students.

Lecture, 3 hours.

Students are introduced to the fundamentals of effective vocal production and the techniques of voice improvement as applied to the stage and other media of theatrical performance. Through basic vocal exercises and the practice and production of interpretative reading, students investigate the principles of good speech, breathing and posture. A study is made of the physiological, psychological, and acoustical factors determining vocal quality, force, rhythm and pitch.

270 Beginning Acting (3) UC:CSU

Prerequisite: None.

Required of all theater majors.

Lecture, 3 hours.

Introduction to the art and craft of acting: freeing the actor's voice, body and mind to begin to realize the possibilities for creative expression. Topics of study include: responding to impulse and working as an ensemble (through exercises, theater games, and improvisation); the actor's homework: researching a role, analyzing a text, and breaking down a script from an actor's point of view; monologue work, scene study, audition technique, rehearsal methods, and working with a director.

272 Intermediate Applied Acting (3) UC:CSU

Prerequisite: Theater 270 with grades of C or better.

Required of all theater acting majors.

Laboratory, 6 hours.

Students will continue to apply the principles introduced in Theater 270: Beginning Acting to texts and roles that are increasingly more demanding and sophisticated. Scene and monologue work will be drawn from realistic contemporary plays as well as from the modern classic repertory.

274 Advanced Applied Acting ‡ (3) UC:CSU RPT1

Prerequisite: Theater 272 with grades of C or better.

Laboratory, 6 hours.

Building on the foundation of Theater 270 and Theater 272, students in Advanced Applied Acting will explore the challenges and joys of working outside the realm of contemporary, realistic drama; scene and monologue work may be drawn from Greek and Roman comedy and tragedy; medieval drama; Shakespeare and other Elizabethan playwrights; Racine, Corneille, Moliere; Restoration and 18th century comedy; high comedy (Oscar Wilde, Noel Coward, George Bernard Shaw); American musical theater; modern and contemporary non-realistic drama.

275 Theater - Scene Study ‡ (2) CSU RPT 3

Prerequisite: None.

Laboratory, 3 hours.

Students are assigned monologues, improvisations, and scripted scenes intended to strengthen their individual acting skill levels.

276 Actors Workshop ‡ (3) CSU RPT3

Prerequisite: None.

Laboratory, 6 hours.

Students are made more aware of their individual acting problems and their solutions.

279 Musical Theater ‡ (2) UC:CSU RPT3

Prerequisite: None.

Lecture, 1 hour; laboratory, 2 hours.

A performance class which integrates the elements of voice, dance and acting as required for performing in musicals. Emphasis is placed on learning musical theater techniques and preparing successful audition material for musicals.

293 Rehearsals and Performances (3) UC:CSU RPT3

Prerequisite: None. Open entry/open exit.

Laboratory, 9 hours.

This class is designed for student participation in the current play productions of the Theater Department: for example: lights, sound, props, wardrobe, acting, etc. Student must be available for performance schedules. Student must contact the department chair by the end of the first week of the semester for continued enrollment. For more information, contact the department chair.

301 Stage Craft (3) UC:CSU

Prerequisite: None.

Lecture, 2 hours; laboratory, 2 hours.

The study of and laboratory practice in the theoretical principles and practical problems involved in all technical aspects of mounting a stage production.

310 Introduction to Theatrical Lighting ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course introduces the student to all aspects of lighting for television and stage. Practical experience and problem solving are highlighted, including the study of color, procedures, control, and handling of lighting equipment. Students must be available for rehearsals and performances

315 Introduction to Theatrical Scenic Design ‡ (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

Introduction to the aspects of stage design, including process, technique, and the collaborative nature of theater production artists; conceptualization of dramatic action, mood, and style through a range of media. Extensive critique of work in progress, exploring media, rendering techniques, and model building for theater design.

317 Color and Design for the Theater (3) UC:CSU

Prerequisite: None.

Lecture, 3 hours.

This course acquaints students with the basic principles of design that govern all forms of visual expression emphasizing those used in the theatre. It also provides students with the ability to communicate in visual terms.

325 Stage Management and Advanced Stage Craft ‡ (3) UC:CSU RPT3

Prerequisite: None.

Recommended: Theater 301.

Lecture, 2 hours; laboratory, 2 hours.

Students will be introduced to specialized topics of advanced stagecraft with especial focus on the duties and responsibilities of a production stage manager. Related topics include: the duties and responsibilities of a production manager, company manager and technical director.

405 Costume Design (3) CSU

Prerequisite: None.

Lecture, 3 hours.

A survey of historical periods and their application to the stage; an intensive study of costuming design for the stage; introduction to shop procedures; beginning principles and techniques of design including figure drawing and character analysis.

450 Beginning Stage Make-Up ‡ (2) UC:CSU

Prerequisite: None.

Lecture, 1 hour; laboratory, 3 hours.

Techniques and practices of theatrical makeup design and application. Facial analysis, glamour, aging of the face, beards, stylized, and impersonation makeups are performed by the student on their own face. Topics include the use of makeup for film and television.

451 Advanced Stage Make-Up ‡ (2) UC:CSU RPT1

Prerequisite: Theater 450 with a grade of C or better.

Lecture, 1 hour; laboratory, 3 hours.

A continued study of the art of make-up with emphasis on advanced techniques. Students will engage in practical applications of specialized makeups including researched and detailed 2 dimensional work as well as an introduction to life casting, hair and wig prep, and ventilating.

185 Directed Study - Theater (1) CSU RPT2

285 Directed Study - Theater (2) CSU

385 Directed Study - Theater (3) CSU

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Theater on a contract basis under the direction of supervising faculty.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

UC CREDIT FOR INDEPENDENT STUDY/DIRECTED STUDY COURSES NUMBERED 185, 285, AND 385 IN ANY DEPARTMENT IS NOT AUTOMATIC; CREDIT IS CONTINGENT ON UC CAMPUS EVALUATION AFTER APPLICATION AND ADMISSION. THESE UNITS SHOULD NOT BE USED TOWARD CALCULATION OF THE MINIMUM 60 UNITS NEEDED FOR ADMISSION TO THE UC.

911-921-931-941 Cooperative Education - Theater (1-4) CSU

Theater is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

TOOL AND MANUFACTURING TECHNOLOGY (T & M)
27 Basic Machine Shop Theory and Practice (4)

Prerequisite: None.

Lecture, 2 hours; laboratory, 4 hours.

Concentration on setting up and operation of engine lathes. Includes precision measurement, layout, drilling and milling operations. Prescribed study and projects are designed to give experience with five basic machine tools, Engine Lathes, Vertical Mills, Horizontal Mills, Pedestal Grinders and Surface Grinders. This course is the basis for entry into many trade areas from machinist to numerical control.

30 Machine Shop Practice I (3)

Prerequisite: None.

Lecture, 1 hour; laboratory, 5 hours.

Concentration on 3 axis Horizontal and Vertical Milling Machines setup and operations. Includes fly-cutting, drilling, gang milling, contour and angular surfacing operations. Emphasis on speeds, feeds, cutter selection and applications. Surface grinding operations maintaining flatness, parallelism and finish to a high degree of accuracy. Heat treatment, case-hardening and hardness testing is included.

31 Machine Shop Practice II (3)

Prerequisite: None.

Lecture, 1 hour; laboratory, 5 hours.

Continues training to increase knowledge and skills in the operation of machine tools and accessory equipment. Includes use of optical comparator, precision measuring instruments and other high precision layout and inspection equipment. Requires close tolerance work with different types of machines, machine tools and material used in industry.

32 Machine Shop Practice III (3)

Prerequisite: None.

Lecture, 1 hour; laboratory, 5 hours.

Provides extended training to increase knowledge and skills in the operation of machine tools and accessory equipment. Includes use of precision grinding equipment. Close tolerance work and precision inspection is emphasized.

40 Industrial Tool Design I (4)

Prerequisite: None.

Lecture, 3 hours; laboratory, 3 hours.

A comprehensive study of the underlying principles of tool design through the preparation of drawings of machine fixtures, assembly jigs, and handling fixtures. Emphasis is placed on techniques of design, applied mathematics, metallurgy, mechanics, and machine shop practice

70 Basic Manufacturing Processes I (1)

Prerequisite: None.

Lecture, 1 hour.

This course surveys the manufacturing industry as it pertains to the machine shop. Needs and requirements of the industry in today's global economy are discussed. Manufacturing processes are introduced as well as new technology and equipment utilized in today's industry. Manufacturing Processes constitute the core of the of the modern production industry.

71 Basic Manufacturing Processes II (1)

Prerequisite: None.

Lecture, 1 hour.

This course provides the student with an understanding of Quality Control Procedures in the manufacturing industry as it pertains to the machine shop. Metrology control procedures and calibration, inspection procedures, interpretation of symbols and abbreviations as it pertains to Geometric Dimensioning and Tolerances are discussed.

81 Projects Laboratory ‡ (1) RPT3

Prerequisite: None.

Laboratory, 3 hours.

Provides basic and advanced laboratory experience in machine tool operations and tool making practices. Students work on assigned projects that include planning, designing and manufacturing production tools.

185 Directed Study Tool and Manufacturing Technology (1) RPT2**285 Directed Study Tool and Manufacturing Technology (2)****385 Directed Study Tool and Manufacturing Technology (3)**

Prerequisite: None.

Conference, 1 hour per unit.

Allows students to pursue Directed Study in Tool and Manufacturing Technology on a contract basis under the direction of supervising faculty.

Credit limit: A maximum of 3 units per subject in Directed Study may be taken for credit.

911-921-931-941 Cooperative Education - Tool and Manufacturing Technology (1-4)

Tool and Manufacturing Technology is approved for Cooperative Work Experience Education credit. See Cooperative Education, page 77, for prerequisite, course description and credit limits.

WORD PROCESSING

(See Computer Applications & Office Technologies)

COURSE DESCRIPTIONS (NONCREDIT)

BASIC SKILLS (BSICKL)

80CE Basic Language Arts (0)

Prerequisite: None.

Lecture, 2.25 hours.

The course is designed to provide a review of language arts and test-taking strategies to prepare students for college and career pathways. Topics include instruction in test-taking approaches, essay writing, reading comprehension, and vocabulary and sentence skills.

81CE Basic Math Skills (0)

Prerequisite: None.

Lecture, 2.25 hours.

The course is designed to provide a review of mathematics test-taking strategies to prepare students for college and career pathways. Topics include instruction in test-taking approaches and review of arithmetic, algebraic functions, geometry, and statistics.

ENGLISH AS A SECOND LANGUAGE (ESL NC)

1CE English as a Second Language Beginning I (0)

Prerequisite: None.

Lecture, 3 hours.

This is an open-entry, open-exit course that emphasizes listening/speaking and reading/writing skills at a beginning level. The focus of the course is on understanding and participating in basic communication and conversation skills in routine social situations. Students read simple passages, and generate and write sentences related to basic communications, housing, food, health, and emergencies.

2CE English as a Second Language Beginning II (0)

Prerequisite: None.

Lecture, 3 hours.

This is an open-entry, open-exit course which emphasizes listening/speaking and reading/writing skills at a beginning level. This class focuses on understanding and participating in basic communication and conversation skills in routine social situations. Students read simple passages, and generate and write sentences related to survival skills and personal topics.

6CE English as a Second Language – 0 (0)

Prerequisite: None.

Lecture, 12 hours.

This is an open-entry open-exit course that emphasizes listening/speaking skills and reading/writing skills at a literacy level. The focus of the course is on basic survival English skills, English sound/symbol correspondence, and reading and writing of simple English sentences.

7CE English as a Second Language – 1 (0)

Prerequisite: None.

Lecture, 12 hours.

This is an open-entry, open-exit course which emphasizes listening/speaking and reading/writing skills at a beginning level. This class focuses on understanding and participating in basic communication and conversation skills in routine social situations. Students read simple passages, and generate and write sentences related to survival skills and personal topics.

8CE English as a Second Language – 2 (0)

Prerequisite: None.

Lecture, 12 hours.

This is an open-entry open-exit course which emphasizes listening/speaking skills and reading/writing skills at a high-beginning level. The focus of the course is on comprehending and engaging in extended conversations related to familiar contexts, such as health, employment, and community resources. Students read simple adapted narrative and descriptive passages and use basic grammatical structures to write short, clearly organized paragraphs and messages.

9CE English as a Second Language – 3 (0)

Prerequisite: None.

Lecture, 12 hours.

This is an open-entry open-exit course that emphasizes listening/speaking and reading/writing skills at a beginning-high level. The focus of the course is on comprehending and using more complex spoken and written English skills. Students participate in increasingly extended conversations on topics beyond survival needs, such as family responsibilities. Students will develop skills to understand short reading passages and differentiate between fact and opinion with some accuracy as well as write clear and well-organized paragraphs.

15CE English as a Second Language – 4 (0)

Prerequisite: None.

Lecture, 12 hours.

This is an open-entry/open-exit course which emphasizes listening/speaking skills and reading/writing skills at an intermediate-low level. This class focuses on understanding increasingly extended conversations, discussions or lectures, and speaking about familiar topics. Students read authentic material and identify the main idea and make simple inferences. They focus on developing basic paragraph skills including organization, sentence structure, and the writing process.

16CE English as a Second Language – 5 (0)

Prerequisite: None.

Lecture, 12 hours.

This is an open-entry open-exit course which emphasizes listening/speaking skills and reading/writing skills at an intermediate level. This class focuses on comprehending and developing listening and speaking skills on increasingly complex social and academic topics. Students read authentic material and identify the main idea, supplementary details, vocabulary development, and inferences. Students also learn to give brief prepared oral presentations. They focus on developing basic patterns for paragraph and essay writing including organization, sentence structure, and the writing process.

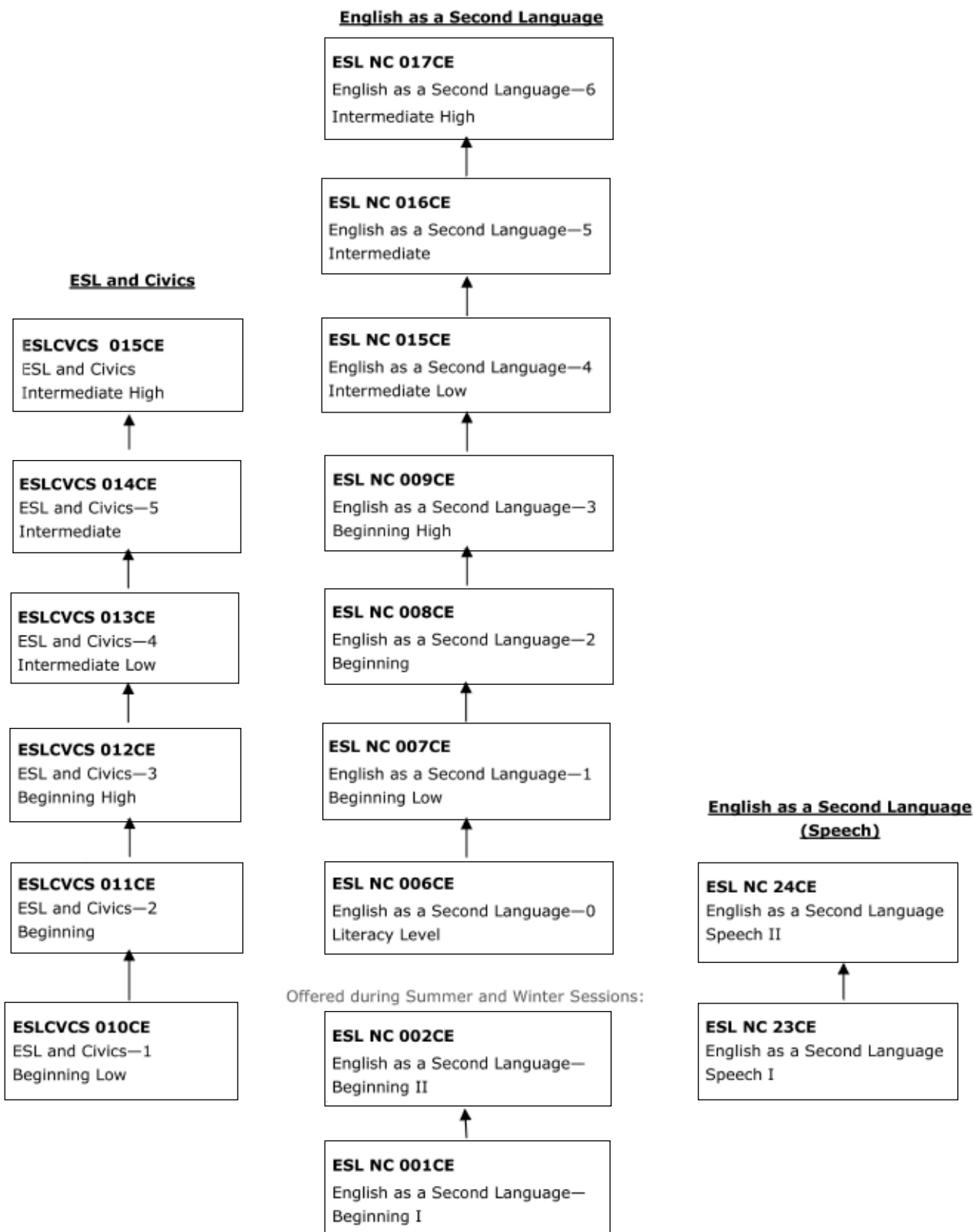
17CE English as a Second Language – 6 (0)

Prerequisite: None.

Lecture, 12 hours.

This is an open-entry open-exit course which emphasizes listening/speaking skills and reading/writing skills at a high-intermediate level. This class focuses on understanding and engaging in extended conversations, discussions, and lectures. Students also learn to give brief impromptu oral presentations. Students read authentic material and identify the main idea, supporting details, vocabulary development, and inferences. They focus on developing organization patterns for compositions and essay writing including organization sentence structure, and the writing process.

Continuing Education Noncredit Course Sequence for ESL



‡ This course may not be offered each semester. ♦ Designated class sections are Transfer Alliance Classes.

23CE English as a Second Language Speech I (0)

Prerequisite: None.

Lecture, 6 hours.

This is an open-entry open-exit course that emphasizes listening/speaking, grammar, and pronunciation skills at an intermediate low level. The focus of the course is on comprehending and developing listening and speaking on topics in social and academic environments. Students also learn to give brief prepared oral presentations. Students will focus on practicing pronunciation skills for better oral communication and developing rhythm, stress, and intonation patterns of English conversation

24CE English and a Second Language Speech II (0)

Prerequisite: None.

Lecture, 6 hours.

This is an open-entry open-exit course which emphasizes listening/speaking, grammar, and pronunciation skills at an intermediate level. This class focuses on understanding and engaging in increasingly extended conversations, discussions, and lectures. Students also learn to give brief impromptu oral presentations. Students focus on practicing more complex pronunciation skills for better oral communication. They also develop rhythm, stress, and intonation patterns of English conversation

ESL CIVICS (ESLCVCS)

(formerly Citizenship)

10CE ESL and Civics 1 (0)

Prerequisite: None.

Lecture, 1 hour.

This is an open-entry/open exit course. This course is intended for beginning English speakers at skill level 1, as recommended. Speaking, listening, reading, and writing skills are emphasized. Learners engage in discussions on living in the United States, housing issues, and U.S. history (Colonies, Bill of Rights, and Founding Fathers).

11CE ESL and Civics 2 (0)

Prerequisite: None.

Lecture, 1 hour.

This is an open-entry/open-exit course. This course is intended for beginning English speakers at skill level 2, as recommended. Speaking, listening, reading, and writing skills are emphasized. Learners engage in discussions on issues related to employment, job interviewing, and United States history and government (First Government, Constitution, Branches of Government).

12CE ESL and Civics 3 (0)

Prerequisite: None.

Lecture, 1 hour.

This is an open-entry/open-exit course. This course is intended for beginning English speakers at skill level 3, as recommended. Speaking, listening, reading, and writing skills are emphasized. Learners engage in discussions on city, county, and community services and topics related to United States history (Civil War and Civil Rights Movement).

13CE ESL and Civics 4 (0)

Prerequisite: None.

Lecture, 3 hours.

This is an open-entry/open-exit course. This course is intended for English speakers at skill level 4, as recommended. Intermediate low listening, speaking, reading, and writing skills are emphasized. Learners engage in discussions on education and early United States history (Declaration of Independence, First Four Presidents, Constitution).

14CE ESL and Civics 5 (0)

Prerequisite: None.

Lecture, 3 hours.

This is an open-entry/open-exit course. This course is intended for English speakers at skill level 5, as recommended. Intermediate listening, speaking, reading, and writing skills are emphasized. Learners engage in discussions and written assignments on becoming work ready, workplace safety, and interactions with co-workers, as well as the judicial branch of government and national symbols and holidays.

15CE ESL and Civics 6 (0)

Prerequisite: None.

Lecture, 3 hours.

This is an open-entry/open-exit course. This course is intended for English speakers at skill level 6, as recommended. Intermediate high listening, speaking, reading and writing skills are emphasized. Learners engage in discussions and written assignments. The focus of the course is on the role of state and local governments, the U.S. electoral process, and living and working in the U.S.

PARENTING (PARENT)**20CE Parent-and-Baby (0)**

Prerequisite: None.

Lecture, 3 hours.

This is an open-entry, open-exit course that will cover issues concerning bed time routines, food and nutrition, reading to infants, discipline, day to day challenges, holiday stress and young children, and diversity. Both Parent and infant (0-3) must attend together.

SUPERVISED LEARNING ASSISTANCE (TUTOR)**1T Supervised Learning Assistance (0)**

Prerequisite: None.

Lab, 20 hours.

Upon faculty/counselor referral, student will receive tutoring in designated subject areas in various tutoring labs on campus. Cumulative progress and attendance records will be maintained for this non-credit, open entry course. Supervised Learning Assistance 001T will not appear on the student's transcript.

VOCATIONAL EDUCATION (VOC ED)**82CE Certified Nurse Assistant (0)**

Prerequisite: None.

Lecture, 2.80 hours, Lab, 12.70 hours.

This course is designed to prepare students for the California State Certified Nursing Assistant Examination. Topics covered include patient rights, communication and interpersonal skills, safe environment, body mechanics, principles of asepsis, weights and measures, resident care skills and procedures, vital signs, nutrition, emergency procedures, long term care resident, rehabilitative/restorative care, observation and charting, and death and dying.

83CE Home Health Aide Program (0)

Prerequisite: VOC ED 82CE

Lecture, 1.16 hours, Lab, 2.16 hours.

This course is designed to prepare students for the California State Certified Home Health Aide License. The program prepares students to appropriately take care of clients in the clients' home. Topics address issues with home safety, nutrition in the home, and working with home health agencies.

96CE Blueprint for Workplace Success (0)*Prerequisite: None.***Lecture, 2 hours.**

This class is designed to provide students with the necessary tools and skills to develop an understanding of themselves in the context of the workplace and assist them in the creation of a workplace portfolio (or "blueprint"). Topics covered include self-discovery, time management, job market realities, workplace skills, effective communication, contacting employers, interview preparation, getting hired, and maintaining employment.

98CE 30 Ways to Shine as a New Employee (0)*Prerequisite: None.***Lecture, 0.67 hours.**

This course is designed to provide new and incumbent workers "30 Ways to Shine as a New Employee" and increase their level of effectiveness with workplace customer service and colleague relations. The topics will include achieving workplace goals, understanding workplace culture, being a team player, utilizing positive attitude, and formulating balance between home and work.

114CE Microcomputer Literacy 1 (0)*Prerequisite: None.***Lecture, 0.5 hours; laboratory, 1.5 hours.**

This open-entry/open-exit course familiarizes students with computer workplace skills. Students will be exposed to a demonstration of word processing and the Internet.

115CE Microcomputer Literacy 2 (0)*Prerequisite: None.***Lecture, 0.5 hours; laboratory, 1.5 hours.**

This open-entry/open-exit course will help to familiarize students with basic spreadsheet and PowerPoint applications. Students will distinguish between basic commands including: saving, deleting rows, and editing. The course will also cover the use of PowerPoint and its basic functions.

301CE Customer Service A: Introduction (0)*Prerequisite: None.***Lecture, 0.5 hours; Lab, 0.2 hours**

This noncredit open entry/open exit course is designed to provide the student with relevant skills to effectively meet the needs of customers. The student will be introduced to the concept of internal and external customers, customer satisfaction, and customer retention.

302CE Customer Service B: Communicating with People (0)*Prerequisite: None.***Lecture, 0.5 hours; Lab, 0.2 hours**

This noncredit open entry/open exit course is designed to introduce the student to key elements in communication with people. The student will learn verbal and non-verbal communication, listening skills, and to be a facilitator of communication skills.

303CE Customer Service C: Team Building (0)*Prerequisite: None.***Lecture, 0.5 hours; Lab, 0.2 hours**

This noncredit open entry/open exit course is designed to provide the student with an understanding of teamwork, common problems teams encounter and how to solve them. The students will learn to recognize various team player personalities and styles, and characteristics of an effective team.

304CE Customer Service D: Attitude in the Workplace (0)*Prerequisite: None.***Lecture, 0.5 hours; Lab, 0.2 hours**

This noncredit open entry/open exit course is designed to provide the student with key skills in the area of attitude. The student will be introduced to the concepts of "attitude", the three types of attitudes, and how to adjust one's attitude. Topics will also include the primary causes of a bad attitude and turnaround strategies to battle these negative attitudes.

305CE Customer Service E: Values and Ethics (0)*Prerequisite: None.***Lecture, 0.5 hours; Lab, 0.2 hours**

This noncredit open entry/open exit course is designed to provide the student with understanding of the importance of values and ethics in the workplace. The importance of values and ethics and why people participate in unethical behavior will be emphasized.

306CE Customer Service F: Time Management (0)*Prerequisite: None.***Lecture, 0.5 hours; Lab, 0.2 hours**

This noncredit open entry/open exit course is designed to provide the student with an introduction to the concept of time management principles and specific techniques that assist in maximum use of time. Basic concepts of prioritizing and delegation will be discussed.

307CE Customer Service G: Stress Management (0)*Prerequisite: None.***Lecture, 0.5 hours; Lab, 0.2 hours**

This noncredit open entry/open exit course is designed to provide the student with an introduction to stress management and its effects in the workplace. Included is the recognition of internal and external stresses and stress management tips and techniques.

308CE Customer Service H: Conflict Management (0)*Prerequisite: None.***Lecture, 0.5 hours; Lab, 0.2 hours**

This noncredit open entry/open exit course is designed to provide the student with an understanding of what conflict is and one's conflict style. The student will learn skills for resolving interpersonal conflict and strategies to bring out the best of others and self.

309CE Customer Service I: Decisions/Problem Solving (0)*Prerequisite: None.***Lecture, 0.5 hours; Lab, 0.2 hours**

This noncredit open entry/open exit course is designed to provide the student with an introduction to decision making and problem solving. The student will learn steps in making decisions, blocks to problem solving, and techniques to solving problems.

310CE Customer Service J: Managing Change (0)*Prerequisite: None.***Lecture, 0.5 hours; Lab, 0.2 hours**

This noncredit open entry/open exit course is designed to provide the student with an understanding of change and the influence on individuals. Topics will include understanding change, reasons for resistance to change, paradigms and communicating change.

