FRENCH (FREN)

101 First Course in French
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Advisory: English 43 with a grade of "C" or better, or equivalent, or Assessment Skill Level W4.
Limitation on Enrollment: This course is not open to students with credit for French 100.
This is an entry-level course designed to introduce students to the French language and cultures of the French-speaking world. In this interactive course, students use the language by speaking, listening, reading, and writing at the novice level. Basic language structures and vocabulary for communication are examined and explored in French. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Corresponds to two years of high school study.

102 Second Course in French
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: French 101 or two years of high school French, with a grade of "C" or better, or equivalent.
This course is a continuation of French 101 and is intended for students interested in further study of the French language and cultures of the French-speaking world. In this interactive course, students use listening, reading, speaking and writing at a more complex level than in the first course. The students further develop their receptive and productive competencies to the low or mid-intermediate level. Additional language structures and vocabulary for communication are examined and explored in French. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

201 Third Course In French
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: French 102 with a grade of "C" or better, or equivalent, or successful completion of three years of high school French.
Advisory: Concurrent enrollment in: French 201.
This course further develops oral comprehension and fluency as well as written communication at a mid-intermediate level in French through culturally relevant materials. Students develop spoken and written vocabulary, dramatize everyday topics of conversation, interpret and describe materials, and compare and contrast the cultures of the French-speaking world with U.S. culture both orally and in writing. Writing strategies are emphasized and literature is introduced. This course is intended for students who want to enhance their skills in the French language. Students who intend to major or minor in French are advised to take French 210 concurrently with French 201, if possible. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

202 Fourth Course in French
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: French 201, or four years of high school French, with a grade of "C" or better, or equivalent.
This is an advanced-intermediate course and is the fourth course in the French language sequence. In this interactive course, language structures and vocabulary for communication are examined and studied through speaking, listening, reading and writing at the high-intermediate level. Students continue to explore the history and the culture of the French-speaking world. Readings of literary and culturally relevant authentic materials are examined in depth. This course is designed for students preparing for a major in French as well as for those who have a strong interest in the French language and culture. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.
211 The Grammar of Spoken French II
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option

Prerequisite: French 210 with a grade of "C" or better, or equivalent.

This course develops oral comprehension and fluency as well as written proficiency in French at an advanced-intermediate level through reading, analyzing, discussing, and reporting on culturally relevant materials. Students develop oral and reading vocabulary skills, study the cultures of the French-speaking world, and further develop the reading strategies introduced in French 210 through reading literature. This course is intended for students who want to further enhance their skills in the French language. Students who plan to major or minor in French are advised to take French 211 concurrently with French 202. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

Garden Design
(See Architecture)

90 Introduction to GIS for Fire Fighters
1 hour lecture, 1.5 hours lab, 1.5 units
Letter Grade or Pass/No Pass Option

Advisory: Computer Business Technology 101, 114, and 161, each with a grade of "C" or better, or equivalent; English 101 or English 105, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6.

This course covers the origins and fundamentals of Geographic Information Systems (GIS) for fire fighters, using spatial information and software to map and analyze information associated with fire planning. Labs include hands-on experience with ArcGIS software in the subject areas of map making; scanning, georeferencing, and digitizing fire pre-plans; GIS data creation and management, and working with geoprocessing tools. This course provides the skills and knowledge to create basic spatial data and GIS maps, particularly with reference to fire pre-plans. Students also learn basic GIS skills, a foundation for further study in GIS or to pursue a GIS degree or certificate. (FT) Associate Degree Credit only and not Transferable.

104 Geographic Information Science and Spatial Reasoning
2.5 hours lecture, 1.5 hours lab, 3 units
Grade Only

Prerequisite: Mathematics 96 with a grade of "C" or better, or equivalent, or Assessment Skill Level M50.

This is a survey course designed to provide an introductory overview of geographic information systems (GIS), cartography, remote sensing, spatial analysis, and global positioning systems (GPS). Students will learn how these critical technologies are used in addressing human and environmental problems. The lectures and lab exercises will provide an introductory knowledge of GIS including map interpretation, georeferencing, and spatial data management. Topics will include how to use spatial data to visualize information and identify spatial patterns. Topics include basic GIS concepts such as query and map overlay. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

110 Introduction to Mapping and Geographic Information Systems
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option

Advisory: Computer Business Technology 101, 114 and 161, each with a grade of "C" or better, or equivalent; English 101 or English 105, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6.

This course covers the origins and fundamentals of Geographic Information Systems (GIS), an essential tool in government and business. GIS uses spatial information and software to map, analyze, and model real world problems, in many fields such as forestry, homeland security, economics, cartography, city planning, and health. Labs include hands-on experience with ArcGIS software. Subjects are map making, GIS data creation and management, and map projections and coordinate systems. GIS mapping is a skill needed by many who work in both the public and private sector. This course will provide the skills and knowledge to create basic spatial data and GIS maps. It also lays the foundation for students who want to be employed as a GIS Technician or who want to pursue a degree or certificate and it prepares students for entry-level careers. This course is required for the GIS certificate and the AS degree. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
111 Geographic Information Systems and Cartography
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Geographic Information Systems 110 with a grade of "C" or better, or equivalent.
This course is designed for students who possess a basic background in Geographic Information Systems (GIS). Learning in this course focuses on cartographic principles of map design, production, and evaluation through the application of hands-on activities using ArcGIS software. Topics covered include data acquisition methods used in map production (Global Positioning Systems/GPS, scanning, and georeferencing of data); spatial analysis techniques (using geoprocessing); and GIS project planning techniques. Cartographic tools and enhancements such as map layout, symbology, and labeling are emphasized. Students will apply project management skills to a class project. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

112 Spatial Analysis with Geographic Information Systems
2.5 hours lecture, 1.5 hours lab, 3 units
Grade Only
Prerequisite: Geographic Information Systems 111 with a grade of "C" or better, or equivalent.
Advisory: Mathematics 96 with a grade of "C" or better, or equivalent, or Assessment Skill Level M50.
This course is a general survey of geographic information systems (GIS) concepts and spatial analysis techniques, particularly for raster data. Emphasis is placed on hands-on exercises using GIS software and on the functionality of GIS as an effective tool for modeling and analyzing complex spatial relationships. This course is intended for students earning a certificate or degree in GIS and/or for GIS professionals who wish to gain more experience with spatial analysis and raster data. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

113 Advanced Geographic Information Systems Applications
2.5 hours lecture, 1.5 hours lab, 3 units
Grade Only
Prerequisite: Geographic Information Systems 112 with a grade of "C" or better, or equivalent.
Advisory: Mathematics 96 with a grade of "C" or better, or equivalent, or Assessment Skill Level M50.
This course introduces students to advanced topics, techniques, and applications of geographic information systems (GIS). Emphasis is placed on using advanced GIS software for advanced spatial analysis, visualization and statistics. Students use real-world data and apply one or more advanced applications to class project analyses to evaluate the effectiveness of GIS as a tool in the decision making process. Students gain knowledge of, and experience in using, advanced software applications. More advanced class projects may incorporate scripting and/or modeling. This course is intended for students who have achieved an intermediate level of knowledge and experience in GIS. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

114 Spatial Databases in Geographic Information Systems
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Advisory: Geographic Information Systems 111 with a grade of "C" or better, or equivalent.
GISG 114 focuses on the development and application of spatial database models and processing techniques. Students of Geographic Information Systems (GIS) who wish to gain exposure to emerging data structures and methods via problem-based learning benefit from this course. The course deals with conceptual issues in spatial database development, analysis, display, and designing and creating personal geodatabases. Students work with a variety of GIS data types and edit GIS data within the geodatabase environment, with emphasis on real-world applications. The class project focuses on the design, creation and use of a geodatabase to solve a problem. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

270 Work Experience
Hours by Arrangement (One unit of credit is earned for each 75 hours of paid employment or 60 hours of volunteer work.), 1-4 units
Grade Only
A program of on-the-job learning experiences for students employed in a job related to their major or their educational goals. The combined maximum credit for all work experience courses from all disciplines may not exceed 16 units. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290),
101 Physical Geography
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course examines the major world patterns of the physical environment. The course covers the fundamental information and processes dealing with the earth's landforms, atmosphere, natural vegetation, water, and soils, along with the appropriate use of maps and charts. This course is of interest to anyone seeking an understanding of the earth's physical processes and mechanisms. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

101L Physical Geography Laboratory
3 hours lab, 1 unit
Grade Only
Corequisite: Completion of or concurrent enrollment in: Geography 101 with a grade of "C" or better, or equivalent.
Advisory: English 48 and English 49 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5, W5 and M20.
This course requires practical observations and applications of the geographic grid, atlases and topographic maps, weather and climate, natural vegetation and soils, and landforms. Exercises are designed to supplement Physical Geography 101. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

102 Cultural Geography
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent.
This course is an introduction to thematic cultural geography. The elements covered include population, race, language, religion, settlement patterns, political organization, economic activities, industry, and the regional distribution of these elements. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

104 World Regional Geography
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 or English 105, with a grade of "C" or better, or equivalent or Assessment Skill Levels W6 and R6.
This course provides students with a survey of the physical, cultural, political, and economic characteristics of the world's major geographical regions. These regions include Europe, North America, Latin America, Africa, Australia, Oceania, and South, East, and Southeast Asia. The course focuses on historical, environmental, cultural, economic, and technological factors that impact the world's main geographical areas. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

154 Introduction to Urban Geography
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6.
This course is a survey of urban geography. Emphasis is placed on the evolution, function and form of American and world cities. Topics include social, economic and technical forces that shape urban development and the role of urban planning in a variety of cities around the world. This course is designed for social science majors and all students interested in geography and urban planning. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

290 Independent Study
Hours by Arrangement, 1-3 units
Letter Grade or Pass/No Pass Option
Limitation on Enrollment: Must obtain an Add Code from instructor for registration.
For students who wish to study special problems. This course may be taken four times with different content for a maximum of six units. Associate Degree Credit & transfer to CSU and/or private colleges and universities.
This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277),
or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

### GEOLOGY (GEOL)

#### 100 General Geology

**3 hours lecture, 3 units**  
**Letter Grade or Pass/No Pass Option**

**Advisory:** English 48 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5.

This course investigates the physical characteristics of the earth as a whole, and the past, present, and future evolutionary processes affecting it. Primary topics include earth materials, geologic time, uniformitarianism, the fossil record, and plate tectonics. The course is designed for those students with a general interest in geology or earth science.  
(FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

#### 101 General Geology Laboratory

**3 hours lab, 1 unit**  
**Letter Grade or Pass/No Pass Option**

**Corequisite:** Completion of or concurrent enrollment in Geology 100 with a grade of "C" or better, or equivalent.

**Advisory:** English 48 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5.

This laboratory course covers mineral and rock identification, landforms, topographic/geologic map interpretation, and geologic structures. The course is designed to supplement Geology 100 with laboratory experience. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

#### 104 Earth Science

**3 hours lecture, 3 units**  
**Letter Grade or Pass/No Pass Option**

**Advisory:** English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course investigates Earth’s major physical systems, including the lithosphere, hydrosphere, and atmosphere, as well as Earth’s place in the solar system. As such, this course provides a brief synthesis of pertinent topics in geology, physical geography, oceanography, meteorology, and astronomy. It is intended for those with a general interest in the Earth sciences and those wishing to satisfy requirements for a California Multiple Subject Teaching Credential. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

### GERMAN (GERM)

#### 101 First Course in German

**5 hours lecture, 5 units**  
**Letter Grade or Pass/No Pass Option**

**Advisory:** English 48 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5.  
**Limitation on Enrollment:** This course is not open to students with previous credit for German 100.

This is an introductory course designed to teach students to understand, speak, read and write German, and become familiar with recent German culture and history. Emphasis is placed on learning the fundamentals of grammar, speaking in simple sentences using correct pronunciation, responding to questions regarding everyday life, and reading short selections about everyday activities. Fundamentals of oral and written grammar and a correct reading of simple German are practiced. This course is appropriate for students who are preparing to major in German as well as those who are interested in developing proficiency in the language. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Corresponds to two years of high school study.

#### 102 Second Course in German

**5 hours lecture, 5 units**  
**Letter Grade or Pass/No Pass Option**

**Prerequisite:** German 101 with a grade of "C" or better, or equivalent.  
**Limitation on Enrollment:** This course is not open to students with previous credit for German 100.

This course is a continuation of German 101 and is designed to teach students to speak, read and write German at a low-intermediate level and enhance students’ familiarity with recent German culture and history. Emphasis is placed on improving students’ knowledge of fundamental grammar, reading more complex texts and speaking with moderate proficiency. This course is appropriate for students who plan to major in German as well as for those who...
are interested in developing proficiency with the language. (FT) Associate Degree Credit and transfer to CSU and/or private colleges and universities. UC Transfer Course List.

201 Third Course in German
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: German 102 with a grade of “C” or better, or equivalent.
Limitation on Enrollment: This course is not open to students with credit for German 200. This course is a continuation of the basic fundamentals of German pronunciation, grammar, composition and reading covered in German 102. Emphasis is placed on further developing listening, speaking, reading and writing skills through course content based on everyday life as well as German history and culture at the advanced-beginning level. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

101 Health and Life-Style
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels RS and WS.
This course studies aspects of mental, emotional, and physical health. Emphasis is placed on knowledge for development of attitude, understanding, and practice of a preventive life style for healthy living and optimal wellness. Specific instructional areas include chronic diseases, physical activity, nutrition, weight management, birth control methods, human sexuality, alcohol, tobacco and illicit chemical use, stress, and factors that contribute to wellness and longevity. Experience in personal health assessment and the changing of health behaviors is stressed. Satisfies State of California Health Education requirement for teaching credential. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

131 First Aid
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
This course satisfies the requirements of the American Red Cross and trains individuals who respond in emergency situations with the knowledge and skills necessary to help sustain life, reduce pain, and minimize the consequences of injury or sudden illness until more advanced medical help arrives. Students who successfully complete the course receive the following American Red Cross Certification: Emergency Response certification is valid for three years and CPR for the Professional Rescuer certification is valid for one year. Emergency Response certification is consistent with the U.S. Department of Transportation First Responder curriculum and exceeds the requirement of the California Health and Safety Code (Title 22). This course may be repeated as needed to update certification and skills. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

190 Health Education For Teachers
1 hour lecture, 1 unit
Grade Only
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels RS and WS.
This course overviews health-related issues and problems in the kindergarten through 12th grade. Topic areas include behavior modification, stress symptoms and management, physical activity, nutrition, cardiovascular disease, pregnancy and sexually transmitted diseases, illicit substance abuse, alcohol and nicotine use and misuse, violence and gang issues, school and home safety issues. This course satisfies the State of California Health Education requirement for the K-12 Teaching Credential. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.
HEALTH INFORMATION TECHNOLOGY (HEIT)

40 PreRHIT (Registered Health Information Technician) Exam Review
1 hour lecture, 1 unit
Pass/No Pass Only

This course is a 16 hour review for graduates of the Health Information Technology Program, preparatory to their writing the RHIT Examination. Instruction will include review of ICD-9-CM (International Classification of Diseases, 9th Revision, Clinical Modification) and CPT (Current Procedural Terminology) coding and reimbursement. Also included are information systems, healthcare statistics, and quality, utilization as well as risk management. Additional topics included are health record management in various healthcare delivery systems, legal aspects including certification and accreditation standards, and principles of supervision as well as test taking strategies. Not Applicable to Associate Degree and not a basic skills course.

105 Introduction to Health Information
2 hours lecture, 3 hours lab, 3 units
Grade Only

This course is an introduction to the: American healthcare delivery system and health care professions, health information department functions, ethical and legal issues in health information technology, healthcare reimbursement, quality management, performance improvement, and healthcare information systems. This course is useful for those considering a career in health information and is a required course for students in the Health Information Technology program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

125 Basic Pharmacology for Allied Health
2 hours lecture, 2 units
Grade Only

This course is an introduction to pharmacology for Allied Health and other interested students and includes an historical overview of pharmacology. Also covered are basic pharmacologic terminology and concepts such as drug categories, mechanisms of drug action, drug forms, and routes of administration. Generic and proprietary names are introduced for drugs prescribed for common diseases and disorders. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

155A ICD-9-CM Coding I
3 hours lecture, 3 hours lab, 4 units
Grade Only

Prerequisite: Medical Assisting 105 and 110, each with a grade of “C” or better, or equivalent. This is an introductory course in the International Classification of Disease (ICD) coding system. It includes the basic coding guidelines applicable to coding signs and symptoms, diseases, disorders, and procedures as well as coding ethics. The student codes using both the code books and computer software program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

155B ICD-9-CM Coding II
3 hours lecture, 3 hours lab, 4 units
Grade Only

Prerequisite: Health Information Technology 155A with a grade of “C” or better, or equivalent. This course is a continuation of Health Information Technology 155A with an emphasis on advanced principles of ICD-9-CM coding of conditions, diseases, and procedures. Students code using both code books and computer software. This course includes coding, indexing, retrieval, and abstracting of patient data, along with instruction on how codes generate DRG’s and how case mix is derived. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

3 hours lecture, 3 units
Grade Only

Prerequisite: Medical Assisting 110 with a grade of “C” or better, or equivalent. Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels RS and WS.

This introductory course includes the purpose and use of Current Procedural Terminology (CPT) coding. The course covers the CPT Manual format, code format, and coding steps used to code from the six divisions of CPT: Evaluation & Management, Anesthesia, Surgery, Radiology, Pathology & Laboratory, and Medicine. In addition the course includes national and category III codes. It also includes an overview of reimbursement issues involving physician and hospital payment for outpatient services. This is a required course for Health Information Technology students and is available to employees in health information departments and doctors’ offices. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
156 Hospital and Health Statistics
2 hours lecture, 3 hours lab, 3 units
Grade Only

Limitation on Enrollment: This course is not open to students with credit for Medical Record Technology 156.

This course provides instruction in the basic principles of data collection and calculation of hospital and non-acute facility health statistics. Calculation of Health Information Management Department statistics is included. In addition, the course covers the calculation of specific vital statistics as well as discharge analysis reporting. There is instruction in the preparation of monthly and annual medical, administrative, and outside agency reports utilizing tables and graphs. Practice in the interpretation of statistical reports is also provided. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

205 Health Law, Accreditation and Licensing Standards
3 hours lecture, 3 units
Grade Only

Advisory: Health Information Technology 105 with a grade of “C” or better, or equivalent.

This course covers the legal aspects of health information management including the American legal system and causes of medical malpractice. State, federal and other agency rules regarding record access, retention, release of information, processing subpoenas, and confidentiality are also included. Accreditation, licensing, and certification requirements for acute as well as non-acute health care facilities are included. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

258 Quality Assessment, Utilization Review & Risk Management
3 hours lecture, 3 units
Grade Only

This course introduces the concepts of quality assessment (QA), utilization review (UR), and risk management (RM) in health care to the Health Information Technology student. Topics included are purpose, philosophy, historical development, analysis techniques, and program development strategies. Quality assessment activities in Medical Staff appointment/reappointment process are covered. Additional topics include physician confidentiality issues and key concepts in continuous quality improvement (CQI). (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

260 Principles of Supervision and Administration
3 hours lecture, 3 units
Grade Only

This course introduces the basic concepts of personnel supervision including role transition, recruitment, training, performance standards, discipline, and performance evaluation. Other topics include writing job descriptions and policy and procedure manuals. Budget management, department layout/design, meetings management, stress and time management are also included. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

261 Directed Clinical Practice A
150 hours total by Arrangement, 2 units

Prerequisite: Health Information Technology 105 and Medical Assistant 110, each with a grade of “C” or better, or equivalent.

This course provides actual professional practice for the Health Information Technology student in a health information services department in selected acute care health care facilities affiliated with the college. Students are given experience in entry level clerical skills performed in the department, such as the following: patient admitting and discharge procedures and release of information. The student is given a detailed orientation of the facility dictation and transcription systems. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

262 Directed Clinical Practice B
150 hours total by Arrangement, 2 units

Prerequisite: Health Information Technology 155B with a grade of “C” or better, or equivalent.

This course provides actual professional practice in acute care, long term care, and behavioral health facilities in health information departments. These selected facilities are affiliated with the college. The Health Information Technology student is given experience in areas such as: coding and abstracting, data collection for statistical reports, personnel supervision, and department budget management, quality assessment, computer applications, and other activities as appropriate. Associate Degree Credit &
transfer to CSU and/or private colleges and universities.

**290 Independent Study**  
**Hours by Arrangement, 1-3 units**  
**Grade Only**

*Limitation on Enrollment: Must obtain an Add Code from instructor for registration.*

Provides for additional research, academic or clinical experiences for students with special interests. The course consists of individualized research problems, conferences with the instructor at prearranged intervals and a final written report on the work completed. This course may be taken four times with different content for a maximum of six units. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

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**100 World History I**  
**3 hours lecture, 3 units**  
**Letter Grade or Pass/No Pass Option**

*Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.*

This course examines the growth of civilizations and the inter relationships of peoples of Europe, Asia, Africa and America from the birth of civilization to 1650. Topics in social, intellectual, economic, and political history are covered. This course is of interest to history majors as well as anyone seeking a global historical perspective. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**101 World History II**  
**3 hours lecture, 3 units**  
**Letter Grade or Pass/No Pass Option**

*Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.*

This course examines the comparative history of the world’s civilizations in Africa, the Americas, Asia, and Europe from the dawn of the modern era (1600) to the present. Topics in social, intellectual, economic, and political history are covered. This course is of interest to history majors as well as anyone seeking a global historical perspective. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

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**105 Introduction to Western Civilization I**  
**3 hours lecture, 3 units**  
**Letter Grade or Pass/No Pass Option**

*Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.*

This course is an historical survey of Western Civilization from the early human communities through early modernism. The course is designed to further students' general education by introducing the ideas, attitudes, and institutions basic to Western Civilization. It may be of interest to history majors as well as any student seeking a broad historical perspective. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

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**106 Introduction to Western Civilization II**  
**3 hours lecture, 3 units**  
**Letter Grade or Pass/No Pass Option**

*Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.*

This course is an historical survey of Western Civilization from early modernism to the present. The course is designed to further students' general education by introducing the ideas, attitudes, and institutions basic to Western Civilization. It may be of interest to history majors as well as any student seeking a broad historical perspective. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

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**109 History of the United States I**  
**3 hours lecture, 3 units**  
**Letter Grade or Pass/No Pass Option**

*Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.*

This course, which covers the history of the United States from its colonial origins through the period of Reconstruction, provides an overview of the diverse peoples who interacted, settled, and influenced the history of the nation and its developing economic, social, and political institutions. The course requires students to analyze a variety of materials, think critically, and write thesis-based essays. History 109 taken in conjunction with History 110, 115B, 123, 142,
110 History of the United States II
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course, which covers the history of the United States from Reconstruction to the present, provides an overview of the diverse peoples who influenced the history of the nation and its maturing economic, social, and political institutions. The course requires students to analyze a variety of materials, think critically, and write thesis-based essays. History 110 taken in conjunction with History 109, 115A, 141, 150; Black Studies 140A; or Chicano Studies 141A satisfies the District and CSU American Institutions/California Government requirements. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

115B History of the Americas II
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with grade of "C" or better or equivalent, or Assessment Skill Levels R5 and W5.

This course provides a framework for interpreting the history of the Americas, from the 19th century into the 21st century. This survey examines the independence movements and the development of autonomous nation states throughout the Americas. Emphasizing the comparative history of these societies, the course traces Roman Catholic Church-state relations, the constitutional history of Latin American nations in relation to California, the United States, and Canada, including 20th century constitutional reforms. The course also outlines economic shifts, involving the expansion of agricultural commodity production, global commerce, and industrialization. Finally, the course highlights international relations among nations in the Western Hemisphere, the cold War, and the impact of modernization theory. This general education course is designed for both history majors and the general transfer student. History 115B taken in conjunction with History 115A, 109, 141, 150; Black Studies 140A; or Chicano Studies 141A satisfies the District and CSU American Institutions/California Government requirements. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.
120 Introduction to Asian Civilizations  
3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option  
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.  
This course examines the social, cultural, and political evolution of distinct civilizations in East, South, and Southeast Asia from prehistory to the end of the sixteenth century. Emphasis is placed on topics such as the development of indigenous religions/philosophies, the rise and decline of regional kingdoms/dynasties, cultural achievements, and gender roles. This course is intended for transfer students planning to major in history, business, or other social science. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

121 Asian Civilizations in Modern Times  
3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option  
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.  
This course examines the evolution of the distinct cultures, thought, and institutions in East, South, and Southeast Asia from the sixteenth century to the present through critical investigations into the impact of modernization on the political, social, economic, and cultural dimensions of these societies. Emphasis is placed on topics such as the first encounters with Western powers, the evolution of Western imperialism, the rise of nationalist movements and independent nation states, and their evolution and progress to the present. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

123 U.S. History from the Asian Pacific American Perspective  
3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option  
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.  
Limitation on Enrollment: This course is not open to students with previous credit in Black Studies 112 or 140 or History 110 and 110B.  
This course is a review of Asian Pacific Americans in the social, political, economic and cultural development of the United States from Reconstruction to the present. The emphasis is on the Chinese, Japanese, Korean, Filipino, Vietnamese, Cambodian, Lao, Hmong, and Hawaiian experiences. This course presents American history as it relates to the experience of Asian immigrants and Asian Pacific Americans. History 123 taken in conjunction with History 109, 115A, 141, 150; Black Studies 140A; or Chicano Studies 141A satisfies the District and CSU American Institutions/California Government requirements. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

130 The Modern Middle East  
3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option  
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6.  
This course is a survey of modern Middle Eastern history from the Nineteenth Century to the present. Emphasis is placed on analyzing modern Middle Eastern historical events and processes within a global context. Topics include the historical development and role of Islam in the region, the ‘decline’ and dismemberment of the Ottoman Empire, imperialism, Arab independence movements, the Israeli-Palestinian conflict, the resurgence of Islam and the role of the United States in the region. This course is intended for history majors and all students interested in the contemporary Middle East. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

131 Latin America Before Independence  
3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option  
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.  
This course is designed for anyone gaining an understanding of Latin American and Caribbean history, 1492-1810. It opens with a discussion of the pre-Encounter world, placing special emphasis on those aspects of Iberian, African and Indian life that helped shape colonization. During the semester, lectures delve into social-economic relations, the Crown and Church as shareholders in state power, and resistance to colonization and slavery. Throughout the course, references are made to Latin America’s and the Caribbean’s roles in the emergence of a modern, global social-economic system. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.
132 Latin America Since Independence  
3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course is designed for anyone seeking to gain an understanding of Latin American History since 1810. The course emphasizes social, political, economic, and cultural factors as students examine independent Latin America's early conservatism, the triumph of liberalism between 1870 and 1930, the rise of nationalism and populism after 1930, and then the new liberalism of the late twentieth century. Lectures and discussions include issues pertinent to Latin America's past and present such as modernization, race and gender relations, social movements, and revolutions. Throughout the course, modern Latin American history is placed in the context of global economic, ideological, and cultural trends. (FT) 
Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer List.

141 Women in United States History I  
3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course, which covers the history of the United States from its colonial origins through the period of Reconstruction, provides a special emphasis on the history and role of women, who in their diverse contributions influenced the history of the nation and its developing economic, social, and political institutions. The course requires students to analyze a variety of materials, think critically, and write thesis-based essays. This course may be of interest to students interested in Women's Studies. History 141 taken in conjunction with History 142, 110, 115A, 150; Black Studies 140A; or Chicano Studies 141B satisfies the District and CSU American Institutions/California Governments requirements. (FT) 
Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: History (HIST) 109-110, 141-142, 150-151, Black Studies (BLAS) 140A-140B, and/or Chicano Studies (CHIC) 141A-141B combined: maximum credit, one series.

142 Women in United States History II  
3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course, which covers the history of the United States from Reconstruction to the present, provides an overview of the diverse peoples who influenced the history of the nation and its maturing economic, social and political institutions, with a special emphasis on the history and role of women. This course requires students to analyze a variety of materials, think critically, and write thesis-based essays. This course may be of interest to students interested in Women's Studies. History 142 taken in conjunction with History 141, 109, 115A, 150; Black Studies 140A; or Chicano Studies 141B satisfies the District and CSU American Institutions/California Government requirements. (FT) 
Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: History (HIST) 109-110, 141-142, 150-151, Black Studies (BLAS) 140A-140B, and/or Chicano Studies (CHIC) 141A-141B combined: maximum credit, one series.

150 Native Americans in United States History  
3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course covers the history of the United States from the Pre-contact Colonial Period to the mid-nineteenth century, with an emphasis on the history of Native American Indians, the development of United States Indian policy, and the interaction of divergent cultures. This course requires students to analyze a variety of materials, think critically, and develop thesis-based essays. History 150 taken in conjunction with History 151, 110, 115B, 123, 142; Black Studies 140B; Chicano Studies 141B; or Political Science 102 satisfies the District and CSU American Institutions/California Governments requirements. (FT) 
Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: History (HIST) 109-110, 141-142, 150-151, Black Studies (BLAS) 140A-140B, and/or Chicano Studies (CHIC) 141A-141B combined: maximum credit, one series.
151 Native Americans in United States History
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course covers the history of the United States from the Civil War to the present, with an emphasis on the history of Native American Indians, changing United States Indian policy, and the interaction of divergent cultures. This course requires students to analyze a variety of materials, think critically, and write thesis-based essays. History 151 taken in conjunction with HIST 150, 109, 115A, 141, BLAS 140A, or CHIC 141A, satisfies the District and CSU graduation requirements in United States History, Constitution, and American Institutions, and the requirement in California state and local government. This course also fulfills the District's multicultural requirement. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

171 Twentieth Century America on Film
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course focuses upon the ways in which films about the people and events that shaped United States history in the 20th Century shape our perceptions and either confuse or sharpen our understanding of the American past. Both documentary and non-documentary sources may be utilized. Individual instructors may focus on particular topics or time periods within the twentieth century. This course may be taken twice with different content, for a maximum of six units. This course is designed for anyone interested in recent United States history and cinema. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course Limitation: Variable Topic, see a Counselor.

154 Ancient Egypt
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49 with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This general education course provides a study of the geography, history, life, society, religion, art, archaeology, language, architecture, literature, diplomacy and economics of ancient Egypt from the first dynasties to the Roman occupation. It is appropriate for students with a general interest in the ancient world. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

168 The United States in Vietnam
3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This is a lecture and video course in the history of the United States involvement in Southeast Asia between 1945 and 1975. The course incorporates one of the most comprehensive studies of the era, "Vietnam: A Television History," produced by Boston's public television station WGBH in 1983. The emphasis throughout is on the motivations leading the United States into the Vietnam War, and the impact of that involvement on American society. There is some focus on internal Southeast Asian developments, but this is secondary. This course is designed for anyone interested in recent United States history and international relations. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

175 California History
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course, which covers the history of California from its earliest times to the present, provides an overview of both the physical characteristics and the diverse peoples of California and how they interacted and influenced the history of this state and its economic, social, cultural, and political institutions. The course requires students to analyze a variety of materials, think critically, and write thesis-based essays. This course may be of special interest to students planning a career in education. History 175 satisfies the California government requirement for students who have completed their American Institutions requirement with courses from outside the State of California. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.
This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

101 Introduction to Hospitality & Tourism
3 hours lecture, 3 units
Grade Only
Advisory: English 42 and English 43 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R4, W4 and M20.

This introductory course addresses a general overview and analyses of linkages between segments of the hospitality industry, including: history, career opportunities and service ethics, lodging products and service levels, travel and tourism, food and beverage throughout the industry segments, managed services, clubs, casinos, leisure and recreation, convention centers and meeting and event planning. The course touches on concerns related to health, safety, liability, the environment, technology, and globalization that are interrelated with the hospitality industry. Exploration of all aspects of the multifaceted hospitality and tourism industries are emphasized, including trends future projection and employment opportunities. This overview course is designed for students interested in the hospitality industry. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

110 Lodging Management & Operations
3 hours lecture, 3 units
Grade Only
Corequisite: Completion of or concurrent enrollment in: Hospitality 101 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Hotel Management 110.

This overview of the management responsibilities of hotel operations is designed for students interested in the hospitality industry. The focus is on analysis and understanding of the interdependent nature of major departments within a hotel/resort operation: rooms division, food and beverage, sales and marketing, housekeeping and maintenance, and general and administrative. Analyses of the interrelationship between the major departments are examined through the concepts of organizing, planning, communicating, and ethical principles among the major departments of a lodging operation. Job titles, functions, and their interactive relationships that are of utmost importance in understanding and working productively with the complexities of modern hotel management are discussed. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

111 Food and Beverage Management
3 hours lecture, 3 units
Grade Only
Advisory: English 48 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5.
Advisory: Completion of or concurrent enrollment in: Mathematics 34A with a grade of "C" or better, or equivalent, or Assessment Skill Level M20; and Hospitality 101 and 102, each with a grade of "C" or better, or equivalent.

This course is designed to provide students with an understanding of the hospitality food service industry, its variety of operations/outlets and how to gain the skills to successfully manage these operations/outlets. Areas of study include an overview of food and beverage outlets, food service marketing, menu analysis, menu cost and pricing strategies. Analyze service standard operating procedures, types of

flow statements, critical ratios and other financial measurements and to interpret what the numbers mean. This course is intended for all Event Management, Hotel Management, and Culinary Arts / Culinary Management students. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
service, food and beverage sourcing, beverage management. Identify sanitation and safety issues and facility design and equipment, food service competitive trends, food service automation, and develop financial acumen. This course is intended for all Event Management, Hotel Management, and Culinary Arts / Culinary Management students. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

115 Strategic Leadership in Hospitality  
3 hours lecture, 3 units  
Grade Only

Advisory: English 48 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5.  
Limitation on Enrollment: This course is not open to students with previous credit for Food Service Occupations 115.  
This course is designed to acquaint students with the leadership, management, supervision and quality issues facing today's hospitality industry. It covers the organization and management of hospitality operations. This course is designed for students who are interested in hospitality and culinary arts/culinary management, as well as those working toward American Culinary Federation certification and recertification. The course is a requirement for students seeking the DSS certification. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

120 Event & Hospitality Sales & Marketing  
3 hours lecture, 3 units  
Grade Only

Corequisite: Completion of or concurrent enrollment in: Hospitality 101 with a grade of "C" or better, or equivalent.  
Limitation on Enrollment: This course is not open to students with previous credit for Hotel-Motel Management 120.  
This course is designed to provide students with a background in marketing and sales, as they relate to the major decisions hospitality marketers face in balancing objectives and resources against the needs and opportunities in the global marketplace. Primary focus is on the creation of a marketing plan including: the marketing environment, market segments and target markets, and marketing strategies. This course is for students in hospitality and tourism or those interested in the area. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

130 Event & Hospitality Law  
3 hours lecture, 3 units  
Grade Only

Prerequisite: Hospitality 101 with a grade of "C" or better, or equivalent.  
Advisory: Completion of or concurrent enrollment in: Hotel-Motel Management 110 with a grade of "C" or better, or equivalent.  
Limitation on Enrollment: This course is not open to students with previous credit for Hotel-Motel Management 115.  
This course introduces the student to the laws and regulations that influence business and management decisions applicable to the ownership and operation hospitality and tourism businesses. It is designed to provide practical knowledge of the law and how the legal system functions. The course focus is on legal fundamentals including negligence, relationships with guests, employees, contracts, liability, and the sale of food and alcohol. This course is designed for students interested in a career in hospitality and tourism or those interested in the area. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

140 Club Management  
1 hour lecture, 1 unit  
Grade Only

Prerequisite: Hospitality 101 with a grade of "C" or better, or equivalent.  
Advisory: Completion of or concurrent enrollment in: Hotel-Motel Management 110 and Culinary Arts/Culinary Management 140, each with a grade of "C" or better, or equivalent.  
This course introduces students to club management in the various types of clubs and club sectors. Concepts covered include the club boards of directors, service excellence, leadership, quality management systems, strategic and financial management, club marketing, human resources, guest rooms, food and beverage operations, and computer systems. This course is for students interested in hotel, hospitality and tourism. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

150 Hospitality Human Resources  
3.00 hours lecture, 3.00 units  
Grade Only

Advisory: English 49 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5 & M20.  
Advisory: Completion of or concurrent enrollment in: Hospitality 101 and 115, each with a grade of "C" or better, or equivalent.
This course presents a systematic approach to human resources management in the hospitality industry. Students develop theoretic lenses for understanding people and organizations, and practical tools for accomplishing personal and organizational goals. Topics include: individual differences, conflict management, problem solving, power and influence, motivation, leadership, coaching and counseling, and group process. Students learn through the case method, self-assessments, experiential exercises, readings, discussions, papers, and group activities. Contemporary issues and practices and employment laws that have an impact on the way people are managed are analyzed. This course is designed for students interested in a career in hospitality and tourism or those interested in the area. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

151 Resort Management
2 hours lecture, 2 units
Grade Only
Corequisite: Completion of or concurrent enrollment in: Hospitality 101 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Hotel Management 150 or 151.
This course highlights the operation and management of resort properties. Details are presented in planning, development, financial investment management, and marketing that deal with the unique nature of resort business. Analysis of management systems and methods for development of full-service resorts are presented, along with comparison of specialized requirements for different types of resorts based on location, climate, activities, and life-style. This course is for students interested in hotel, hospitality and tourism. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

160 Meeting and Convention Management
3 hours lecture, 3 units
Grade Only
Corequisite: Completion of or concurrent enrollment in: Hospitality 101 with a grade of "C" or better, or equivalent.
Advisory: Completion of or concurrent enrollment in: HOSP 120 and 160 and 165, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Tourism 132 or Tourism 120.
This introductory course provides the student with an interest in planning events such as meetings, conferences and conventions with the parameters of that segment of the tourism industry. Students are introduced to the differences between meetings and conventions, the employees involved in those venues and the steps that are to be taken to plan, organize and produce such activities as meetings, seminars, conventions and trade shows. The course is for those with an interest in tourism and in organizing and coordinating meetings, conventions, events and tours. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

165 Special Event Management
3 hours lecture, 3 units
Grade Only
Corequisite: Completion of or concurrent enrollment in: Hospitality 101 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Tourism 125.
This course covers the theoretical and practical foundation for event management. Emphasis is placed on research, design, planning, coordination, budgeting and evaluation of events. Topics include competencies required for successful events, including parades, festivals, sporting and other special events. This course is designed for students pursuing a career in hospitality, tourism or event management. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

170 Event Promotion & Sponsorship
3 hours lecture, 3 units
Grade Only
Prerequisite: Hospitality 101 with a grade of "C" or better, or equivalent.
Advisory: Completion of or concurrent enrollment in: HOSP 120 and 160 and 165, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Tourism 135.
This course examines how to promote events and use events to endorse products, services and causes. Specifics covered include image, branding, advertising, publicity, and public relations, their importance to an event, the benefits and best practices of each. Also covered are the coordinating methods to secure sponsorship contracts. This course is designed for students interested in a career in hospitality and tourism or those interested in the area. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
175 Event Convention Service & Catering Management

2 hours lecture, 2 units
Grade Only

Prerequisite: Hospitality 101 with a grade of "C" or better, or equivalent.
Advisory: Completion of or concurrent enrollment in: Hospitality 105 and 160 and 165, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Tourism 130.
This course focuses on reaching and servicing the group meetings and events market. The process of selling space, functions and events to groups, and the methods for servicing group business after the sale are outlined. Also identified are methods to market an event business, track and contain costs, and measures for operational effectiveness and efficient work schedules. Catering management from a front-of-the-house perspective is presented, as is theme development with specifics in design and décor. This course is for students interested in a career in hospitality and tourism or those interested in the area. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

185 Event & Meeting Facilities Management

2 hours lecture, 2 units
Grade Only

Corequisite: Completion of or concurrent enrollment in: Hospitality 160 or 165, with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Tourism 140 or Hospitality 180.
This course introduces students to the operations of arenas, stadiums, convention centers, performing arts centers, and amphitheaters. It incorporates logistical considerations of booking events, contract negotiations, ticket sales, maintenance and production. Also examined are management techniques of hospitality facilities to get better value from physical assets to improve business productivity. This course is designed for students interested in a career in hospitality and tourism or those interested in the area. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

186 The Business of Social Events & Wedding Consulting

2 hours lecture, 2 units
Grade Only

Corequisite: Completion of or concurrent enrollment in: Hospitality 160 or 165, with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Tourism 141 or Hospitality 181.
The course provides students with the knowledge and skills needed to operate a business related to social events and wedding consulting. Emphasis is placed on setting up and running an event consulting business, financial management for the business and the client, guidelines for working with clients, selecting vendors and venues, developing professional relationships, timelines and planning schedules. Events covered include: birthdays, anniversaries, bar and bat mitzvahs, quinceaneras, family reunions, showers, sweet sixteen, bachelor(ette) parties and custom designed celebrations. This course is designed for students specializing in the social events or weddings segment of the events industry management. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

201 Hotel Management Simulations

3 hours lab, 1 unit
Grade Only

Prerequisite: Hospitality 102, 110, 111, 115 and 120, each with a grade of "C" or better, or equivalent; and Computer Business Technology 140 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Hotel Management 201.
This course utilizes knowledge of rooms management, the lodging cycle, marketing, sales, human resources, food and beverage cost control and yield management to provide the ability to make managerial decisions doing a major case study in a computer-simulated environment. The input of data into the computer allows students to test decision-making skills in a highly realistic environment. Students evaluate broad ranges of accumulated learning by running a business within a safe accelerated environment. This class culminates the hotel management curriculum and is intended for students to utilize knowledge gained from all previous hotel and hospitality courses. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
HUMANITIES (HUMA)

101 Introduction to the Humanities I
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This interdisciplinary course develops students' understanding and appreciation of humankind's cultural heritage from the earliest time to approximately 1400. A survey is made of the literature, philosophy, music, painting, architecture, and sculpture of both Western and non-Western civilizations. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

102 Introduction to the Humanities II
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6.
This interdisciplinary course is designed for students interested in meeting general education requirements in humanities. The course develops students' understanding and appreciation of humankind's cultural heritage from approximately 1400CE to the present time. A survey is made of the literature, philosophy, music, painting, architecture, and sculpture of both Western and non-Western civilization. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

HUMANITIES-RELIGIOUS STUDIES (HUMA)

103 Introduction to the New Testament
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6.
This course provides an introduction to the history and culture of the New Testament period (First Century C.E.), methods of critical analysis of Biblical materials, and the content of the New Testament. It also examines the impact of the New Testament on western culture. This course may be of interest to students of history, literature, anthropology or those with a general interest in biblical studies. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

104 Introduction to the Old Testament
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 49 with a grade of "C" or better, or equivalent, or Assessment Skill Level W5.
This course is an introduction to the texts and development of the Old Testament (Hebrew Bible) through a critical reading of its writings, taking into account its relevant history, cultural influences, the original language, and the important events, personages/characters, ideas, and beliefs of ancient Israel. Also addressed are the contributions of other disciplines to a critical understanding of Hebrew Scriptures, including archaeology, literature, history, current Biblical scholarship and criticism, and women's studies. This course may be of particular interest to students in literature, anthropology, and other such disciplines. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

106 World Religions
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6.
This course is an introduction to the basic elements of the religions of the world, their similarities and differences, and their impact on believers and society. The course includes a study of the historical development, doctrines, rituals, sects, and scriptures of the major religions of the world. Some analysis of ancient religious traditions and tribal religious beliefs and practices may be included. This course is intended for all students interested in humanities and the study of world religions. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

HUMANITIES-INTERDISCIPLINARY (HUMA)

(Related courses: Speech 180 and Music 125.)

201 Mythology
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course introduces students to the major images and themes of the myths of widely separated peoples...
of the world throughout history. By analyzing various archetypal patterns found in the great civilizations and tribal cultures of the world, students understand both the uniqueness of each culture's world view and the commonality of human mythological conceptions. Literature and the arts are used to demonstrate these cultures' mythic ideas. This course meets GE and CSU requirements. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

205 Exploring Human Values Through Film
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course is an introduction to the Humanities through the study of film. Emphasis is placed on thematic and technical analysis of feature films. Topics include philosophic meaning, moral development, and social responsibility. This course is designed for Humanities majors and students interested in film and its expression of humanistic values. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

290 Independent Study
Hours by Arrangement, 1-3 units
Letter Grade or Pass/No Pass Option
Limitation on Enrollment: Must obtain an Add Code from instructor for registration.
For students who evidence ability and interest in pursuing special studies in Humanities. This course may be taken four times with different content for a maximum of six units. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

101 Introduction to Interior Design
3 hours lecture, 3 units
Grade Only
Advisory: English 48 and Mathematics 38, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and M30.
This course is an introduction to and overview of the profession of interior design. Emphasis is placed on design fundamentals and the profession of interior design. Topics include space planning, construction systems, furniture, and finishes. This course is designed for those students planning to major in the field as well as those interested in interior design. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

105 Residential Design
2 hours lecture, 3 hours lab, 3 units
Grade Only
Prerequisite: Interior Design 101 and 112A and 115, each with a grade of "C" or better, or equivalent.
Advisory: English 48 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and M20.
This course introduces the interior design student to the planning of residential interiors. Emphasis is placed on the interrelationship of interior elements, principles, space planning, and conceptual problem solving in three-dimensional space. This course is designed for those students planning to major in the field as well as for those students interested in interior design. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

110 Materials and Resources
3 hours lecture, 3 units
Grade Only
Prerequisite: Interior Design 101, 112A and 115, each with a grade of "C" or better, or equivalent.
Advisory: English 48 and Mathematics 34A with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and M20.
This course is a study of the technical specification of finishes, furnishings, and equipment needed to complete a variety of interior environments. Emphasis is placed on sustainability. Product knowledge, available resources, industry procedures, and terminology are incorporated. Liabilities and regulations as they pertain to the professional interior designer are covered. Finishes, furnishings, and equipment are estimated and specified, and are graphically designated on drafted plans and elevations. This course is designed for those students planning to major in this field as well as for students
interested in interior design. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**112A Drafting for Interiors**
2 hours lecture, 3 hours lab, 3 units  
Grade Only

*Advisory:* English 48 and Mathematics 38, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and M30.

This course introduces tools and techniques necessary for interior architectural drafting. Emphasis is on drafting plans, elevations, and sections. Topics include line quality, measuring techniques, scale problems, use of architectural graphic standards, and dimensioning. This course is designed for those students planning to major in this field as well as for those interested in interior design. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**112B Perspective Drawing for Interiors**
2 hours lecture, 3 hours lab, 3 units  
Grade Only

*Prerequisite:* Interior Design 112A with a grade of "C" or better, or equivalent.

*Advisory:* English 48 and Mathematics 38, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and M30.

This course is a continuation of Interior Design 112A with advanced exercises, procedures and projects. The student's skills in lettering and rendering are refined. Projections from construction drawings, location sketches, and photographs are used to create orthographic, paraline, and one and two-point perspective drawings. Quick sketch drawings are incorporated. This course is designed for Interior Design majors. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**115 Elements and Principles of Interior Design**
2 hours lecture, 3 hours lab, 3 units  
Grade Only

*Advisory:* English 48 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and M20.

This course introduces the student to the elements and principles of interior design. Emphasis is placed on the analysis of interior environments two and three dimensionally. This course includes the creation of two and three dimensional design projects illustrating the elements and principles of interior design such as scale and proportion, balance, color and light. This course is intended for those students planning to major in the field as well as for those interested in interior design. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**125 History of Decorative Arts**
3 hours lecture, 3 units  
Grade Only

*Advisory:* English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6.

This course surveys the decorative arts from all parts of the world from the ancient past to today's modern interiors. Emphasis is placed on major developments in decorative arts and how they relate to the social, cultural, and economic events of each historical period. This course is designed for interior design majors and any student interested in the history of decorative arts. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**130 Interior Design Professional Practice**
3 hours lecture, 3 units  
Grade Only

*Prerequisite:* Interior Design 105 with a grade of "C" or better, or equivalent.

*Advisory:* English 48 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5; and Mathematics 34A with a grade of "C" or better, or equivalent, or Assessment Skill Level M20.

This course examines the business and management of a professional interior design practice. Included are client/designer communication, phases of design, project management, legal issues, business practices, marketing, and project presentation. This course is designed for those students planning to major in this field as well as for students interested in interior design. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**145 Contemporary Housing**
3 hours lecture, 3 units  
Grade Only

*Prerequisite:* Interior Design 101 and 112A, each with a grade of "C" or better, or equivalent.

*Advisory:* English 101 and Mathematics 34A, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6, W6 and M20.

This course is a survey of basic structural systems of modern buildings. Emphasis is placed on sustainable materials and methods of construction as they relate to interior design projects. This course also explores the legal, social, and economic forces that affect housing design and provides an overview of the technical aspects of basic building systems as they relate to design and the building industry. This course
is designed for students majoring in this field as well as for students interested in interior design. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**200 Advanced Residential Design: Kitchens and Baths**

2 hours lecture, 3 hours lab, 3 units  
Grade Only

*Prerequisite:* Interior Design 105, 110, 125 and 145, each with a grade of "C" or better, or equivalent.  
This course is a study of advanced approaches to kitchen and bath design. Emphasis is placed on the application of National Kitchen and Bath Association (NKBA) Planning Guidelines and NKBA Access Planning Guidelines to universal design projects. Topics include identifying project needs, materials selection, space planning, and contract documents. This course is appropriate for interior design students specializing in kitchen and bath design. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**205 Non-Residential Space Planning**

2 hours lecture, 3 hours lab, 3 units  
Grade Only

*Prerequisite:* Interior Design 105 and 110, each with a grade of "C" or better, or equivalent.  
*Advisory:* English 48 and Mathematics 38, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and M30.  
This course is a design studio that introduces non-residential interior space planning and design. Emphasis is placed on the design process, building codes, and furniture placement as they relate to space planning and construction drawing preparation. This course is intended for students majoring in Interior Design. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**210 Presentation and Color Rendering**

3 hours lecture, 3 units  
Grade Only

*Prerequisite:* Interior Design 105 and 112B, each with a grade of "C" or better, or equivalent.  
*Advisory:* English 48 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and M20.  
This course is designed to develop the student's color rendering skills and presentation methods. The student uses quick sketching methods and color to communicate design solutions. Students render floor plans, perspectives, and elevations. This course is intended for students majoring in Interior Design. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**215 Environmental Lighting Design**

3 hours lecture, 3 units  
Grade Only

*Prerequisite:* Interior Design 105 with a grade of "C" or better, or equivalent.  
*Advisory:* English 48 and Mathematics 38, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and M30.  
This course is a study of lighting for interiors. Emphasis is placed on developing and creating environmentally effective and aesthetically pleasing lighting design solutions for both commercial and residential applications. This course is intended for students majoring in Interior Design. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**270 Work Experience**

Hours by Arrangement (One unit of credit is earned for each 75 hours of paid employment or 60 hours of volunteer work.), 1-4 units  
Grade Only

A program of on-the-job learning experiences for students employed in a job related to their major or their educational goals. The combined maximum credit for all work experience courses from all disciplines may not exceed 16 units. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

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**101 First Course in Italian**

5 hours lecture, 5 units  
Letter Grade or Pass/No Pass Option

*Advisory:* English 48 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5.  
*Limitation on Enrollment:* This course is not open to students with previous credit for Italian 100.  
This is the first course in the sequence of study of the Italian language and culture. In this interactive course, students use Italian in speaking, listening, reading, and writing at the novice level. Basic language...
structures and vocabulary for communication are examined and explored in Italian. Students with two years of high school Italian are eligible to enroll in Italian 101. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Corresponds to two years of high school study.

102 Second Course in Italian
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Italian 101 with a grade of "C" or better, or equivalent. Students with two years of high school Italian are eligible to enroll in this course.
Advisory: Concurrent enrollment in Italian 296.
Limitation on Enrollment: This course is not open to students with previous credit for Italian 100.
This is a continuation of Italian 101. In this interactive course, students use listening, reading, speaking and writing at a more complex level. The students further develop their receptive and productive languages competencies at the low- to mid- intermediate level. Additional language structures and vocabulary for communication are examined and explored in Italian. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

201 Third Course in Italian
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Italian 102 with a grade of "C" or better, or equivalent, or three years of high school Italian with a grade of "C" or better, or equivalent.
Advisory: Concurrent enrollment in Italian 296.
This is an intermediate course in Italian. In this interactive course, students use the language through speaking, listening, reading and writing at the intermediate level. More complex language structures and vocabulary for communication are examined and explored. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

102 Second Course in Japanese
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Japanese 101 with a grade of "C" or better, or equivalent, or two years of high school Japanese. This course is a continuation of Japanese at the novice high level. Students use listening, reading and writing skills at an increasingly complex level. This course utilizes an interactive approach to expand students' use of language structures and vocabulary in Japanese. This course is intended for students who have completed the first semester of Japanese. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

201 Third Course in Japanese
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Japanese 102 with a grade of "C" or better, or equivalent, or three years of high school Japanese. This is the third course in the Japanese language sequence. In this interactive course, students listen, speak, read and write in Japanese at the intermediate level. This course is intended for students who have completed the first two courses in the Japanese language sequence. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

202 Fourth Course in Japanese
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Japanese 201 with a grade of "C" or better, or equivalent, or four years of high school Japanese. This is the fourth course in the Japanese language sequence. In this interactive course, students speak,
listen, read and write at the advanced-intermediate level. Students are expected to read and evaluate authentic Japanese literary and cultural materials. This course is intended for students who have completed the first three courses in the Japanese language sequence. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

210 Conversation and Composition in Japanese I

3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Japanese 102 with a grade of "C" or better, or equivalent.
This course further develops oral comprehension and fluency as well as written communication at a mid-intermediate level in Japanese through culturally relevant materials. Students increase vocabulary, dramatize everyday topics of conversation, interpret and describe materials and compare and contrast Japanese culture with U.S. culture both orally and in writing. Writing strategies are emphasized and literature is introduced. This course is intended for students who wish to enhance their skills in the Japanese language. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

211 Conversation and Composition in Japanese II

3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Japanese 210 with a grade of "C" or better, or equivalent.
This course further develops oral comprehension and fluency as well as written communication at an advanced-intermediate level in Japanese through culturally relevant materials. Students further increase vocabulary, dramatize everyday topics of conversation, interpret and describe materials and compare and contrast Japanese culture with U.S. culture both orally and in writing. Pre-reading strategies introduced in Japanese 210 are used as a basis upon which to build course emphasis in reading. More literature is introduced. This course is intended for students who want to further enhance their skills in Japanese. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

200 Introduction to Newswriting and Reporting

2 hours lecture, 3 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of “C” or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of “C” or better, or equivalent.
This course serves as preparation for the major for students preparing to transfer and is also intended to serve as an elective for students interested in learning to write for newspapers and other publications. The course is an introduction to evaluating, gathering, and writing news in accepted journalistic style under newsroom conditions. Topics include the role of the reporter and the legal and ethical issues related to reporting. Students have writing and reporting experiences, including personal interviews, speech, meeting and other event coverage, deadline writing, and use of AP style. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

201 Advanced Newswriting and Reporting

2 hours lecture, 3 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Journalism 200 with a grade of "C" or better, or equivalent.
Advisory: English 101 with a grade of “C” or better, or equivalent, or Assessment Skill Levels W6 and R6; English 105 with a grade of “C” or better, or equivalent.
This course offers instruction in advanced journalistic practices. Emphasis is placed on feature, magazine and opinion writing, including investigative and multicultural reporting. Topics also include legal and ethical issues related to reporting. Principles learned can apply to print and online journalism. The course serves as preparation for the major for students preparing to transfer, and is also intended to serve as an elective for students interested in learning to write for newspapers and other publications, including the campus newspaper. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
202 Introduction to Mass Communication
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6.
Limitation on Enrollment: This course is not open to students with previous credit for Radio and Television 200.
This course provides a survey of mass communication and the interrelationships of media with society, including history, structure, and trends. Discussion focuses on analysis of the impact of the media on society and culture as well as on ways that social institutions shape the media. Problems and issues are examined in light of social and cultural constructs, economics, technology, law and ethics, and social issues, including gender and cultural diversity. This course is designed for transfer students in the social sciences, for journalism majors, and any student interested in how society and mass media are interrelated. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

205 Editing for Print Journalism
2 hours lecture, 3 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Journalism 200 with a grade of "C" or better, or equivalent.
This course offers instruction in editing techniques for news publications. Course content covers publication planning, copy editing, headline writing, use of photos and graphics, layout and design, advertising sales and design, news judgment and editorial leadership. Principles learned apply to print and online journalism. The course serves as preparation in the journalism major for students preparing to transfer. It also serves as an elective for students interested in learning to write for newspapers and other publications, including the campus newspaper. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

210A Newspaper Production
6-9 hours lab, 2-3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course is designed to provide experience in the production and publication of a student newspaper. Emphasis is placed on helping beginning students gain experience in the gathering and writing of news and features. Students at this level learn the basic principles of reporting, news writing, copy editing, photography, and newspaper design and layout. Assignments focus on routine stories, and may include editorials or features such as profiles. Copy editing is limited to reading for technical errors. This class is designed for students with an interest in print media and provides instruction in the journalistic process on an entry level. Skills developed in this course include research techniques and the evaluation and analysis of information. Students are guided by ongoing advice, criticism, and evaluation from a faculty adviser. Students enrolled in the course for 2 units are expected to participate in the production of the student newspaper for at least 6 hours per week, while students enrolled for 3 units are expected to participate at least 9 hours per week and contribute more extensively to the layout and/or production of the paper. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

210B Newspaper Production 2
6-9 hours lab, 2-3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Journalism 210A with a grade of "C" or better, or equivalent.
This course is designed to provide additional ongoing experience in the production and publication of a student newspaper. Emphasis is placed on helping students progress in the gathering and writing of news and features. This class provides exposure to the journalistic process beyond the entry level and guides students to polish reporting, newswriting, editing, design, and photography skills, tackle more complex subjects, and assume more responsibility for the design of their own pages. Students continue to develop research skills and engage in the evaluation and analysis of information and are guided by ongoing advice, criticism and evaluation from a faculty adviser. Students enrolled in the course for 2 units are expected to participate in the production of the student newspaper for at least 6 hours per week, while students enrolled in the course for 3 units are expected to participate at least 9 hours and contribute more extensively to the layout and/or production of the paper. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

210C Newspaper Production 3
6-9 hours lab, 2-3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Journalism 210B with a grade of "C" or better, or equivalent.
This course is designed to provide additional ongoing experience in the production and publication of a
student newspaper. Emphasis is placed on helping students progress to an intermediate level in the gathering and writing of news and features. Students conduct in-depth reporting and write more sophisticated news stories and may also serve as section editors or assist editors with copy editing, assignments, photography, the news budget, and design. Additionally students develop skill in setting newspaper policies, mentoring others, working in teams, and uncovering news stories. Students are guided by ongoing advice, criticism, and evaluation from a faculty adviser. Student enrolled in the course for 2 units are expected to participate in the production of the student newspaper for 6 hours per week, while students enrolled for 3 units are expected to participate at least 9 hours per week, and contribute more extensively to the layout and production of the paper. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

210D Newspaper Production 4
6-9 hours lab, 2-3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Journalism 210C with a grade of "C" or better, or equivalent.
This course is designed to provide additional ongoing experience in the production and publication of a student newspaper. Emphasis is placed on helping students progress to an advanced level in the gathering and writing of news and features. In addition to reporting and writing, students at this level, assume responsibility for organizing and managing the newroom, which includes conducting story conferences, developing the news budget, assigning stories, coaching reporters, and editing and designing the paper in its entirety. Students may also make photo assignments and provide coaching for novice photographers. Students are guided by ongoing advice, criticism and evaluation from a faculty adviser. Student enrolled in the course for 2 units are expected to participate in the production of the student newspaper for 6 hours per week, while students enrolled for 3 units are expected to participate at least 9 hours per week and contribute extensively to the layout and production of the paper. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

220 Principles of Public Relations
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5.
This course evaluates public relations as a growing profession. The course looks at the job opportunities for the practitioner, internal and external public relations (PR) and the staff as well as the counselor tasks. It investigates relationships with the media, organizing and executing campaigns. The use of photography, graphics and marketing is also studied. This course is designed for students interested in learning about the field of public relations. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

101 First Course in Latin
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Latin 101 with a grade of "C" or better, or equivalent, or two years of high school Latin with a grade of C or better.
Advisory: English 48 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5.
This is the first of a three-course sequence in Latin providing beginning level instruction in classical Latin language and culture. Students are introduced to Roman culture and society with a special emphasis on everyday life and religious practices. In this course, students study classical Latin grammar, syntax, and pronunciation at the novice level. Elementary translations from Latin to English and English to Latin are accomplished. Basic language structures and vocabulary are examined and explored. This course is intended for students interested in language study and linguistics and meets general education requirements in the humanities. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Corresponds to two years of high school study.

102 Second Course in Latin
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Latin 101 with a grade of "C" or better, or equivalent, or two years of high school Latin with a grade of C or better.
Advisory: English 48 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5.
This is the second of a three-course sequence in Latin. In this course, students study classical Latin grammar,
syntax and pronunciation at the novice-mid level. The study of Roman culture and society continues with a special emphasis on Roman history and the political organization of Rome and its territories. Translation skills from Latin to English and English to Latin are developed and improved beyond the novice level. Moderate to complex language structures and vocabulary are examined and explored. This course is intended for students interested in language study and linguistics, and meets general education requirements in the humanities. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

201 Third Course in Latin
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option

Prerequisite: Latin 102 with a grade of "C" or better, or equivalent, or three years of high school Latin with grades of C or better.
This is the third of a three-course sequence in Latin. In this course, students study classical Latin grammar, syntax, and pronunciation at the intermediate level. The study of Roman culture and society continues with a special emphasis on Roman literature and mythology. Translation skills from Latin to English and English to Latin are developed and improved beyond the mid-novice level. Complex language structures and vocabulary are examined and explored. This course is intended for students interested in language study and linguistics, and meets general education requirements in the humanities. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

Legal Administrative Assistant
See Computer Business Technology (CBTE)
105 Professional Selling  
3 hours lecture, 3 units  
Grade Only

Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course is a study of the principles of sales and selling. Emphasis is placed on the role of human relations in the processes of selling products, services and ideas. Topics include sales techniques, including opening the sale, discovering the needs and wants of the client, addressing objections and closing the sale. Students develop and deliver written and oral sales presentations. This course is designed for students majoring in marketing and anyone interested in the sales profession. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

110 Principles of Retailing  
3 hours lecture, 3 units  
Grade Only

Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course is a study of the principles and practices of retailing. Topics include retail strategic planning, merchandise management, supply chain management, and retail location and site analysis. This course is designed for students majoring in Marketing and anyone interested in learning more about the different aspects of running a successful retail operation. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

130 Advertising Principles  
3 hours lecture, 3 units  
Grade Only

Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course is a study of the principles and practices of advertising. Emphasis is placed on target marketing, consumer behavior, and Integrated Marketing Communications (IMC). This course is designed for students majoring in Marketing and anyone interested in employment or a career in the field of advertising. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Basic Skills Courses

All courses at this level are offered for college credit. Credit for these courses will not apply toward the associate degree but will count toward the determination of a student’s workload and eligibility for financial aid.

15A Prealgebra Refresher  
3 hours lab, 1 unit  
Pass/No Pass Only

This course is intended for those students who have completed the math assessment with a level of M20 (prealgebra) and wish to improve their placement level; those students who have successfully completed Mathematics 38 but need more review; or students who unsuccessfully attempted Mathematics 46 and need review of prealgebra skills. The course will consist of lecture classes and/or independent study using a computer program to refresh those concepts identified as needed for each student. Successful completion of this course may serve as a basis for a petition to challenge Mathematics 38. This course will not replace a failing grade in Mathematics 38. Not Applicable to Associate Degree, pre-collegiate basic skills - reading, writing, computation.

15B Elementary Algebra and Geometry Refresher  
3 hours lab, 1 unit  
Pass/No Pass Only

This course is intended for those students who have completed the math assessment with a level of M30 (beginning algebra and geometry) and wish to improve their placement level; those students who have successfully completed Math 15A; students who have successfully completed Math 46 but need more review; or students who unsuccessfully attempted Math 96 and need review of beginning algebra and geometry skills. The course will consist of personalized computer assisted instruction to refresh those concepts identified as needed for each student. Successful completion of this course may serve as a basis for a petition to challenge Math 46. This course will not replace a failing grade in Math 46. Not Applicable to Associate Degree, pre-collegiate basic skills - reading, writing, computation.
15C Intermediate Algebra and Geometry Refresher
3 hours lab, 1 unit
Pass/No Pass Only
This course is intended for those students who have completed the math assessment with a level of M40 (intermediate algebra and geometry) and wish to improve their placement level; students who have successfully completed Math 15B; students who have successfully completed Math 96 but need more review; or students who unsuccessfully attempted Math 104, 116, 141 or 210A and need review of intermediate algebra and geometry skills. The course will consist of personalized computer assisted instruction to refresh those concepts identified as needed for each student. Successful completion of this course may serve as a basis for a petition to challenge Math 96. This course will not replace a failing grade in Math 96. Not Applicable to Associate Degree, pre-collegiate basic skills - reading, writing, computation.

15D Geometry Refresher
3 hours lab, 1 unit
Pass/No Pass Only
This course is intended for those students who have completed a high school geometry course or for those students who have completed Math 96 and need to review geometric principles prior to taking Math 210B or trigonometry. The course will consist of independent study using a computer program to refresh those concepts identified as needed for each student. (FT) Not Applicable to Associate Degree, pre-collegiate basic skills, English as a Second Language.

15E Trigonometry Refresher
3 hours lab, 1 unit
Pass/No Pass Only
This course is intended for those students who have completed the math assessment with a level of M50 who need to review their trigonometry knowledge prior to taking precalculus or calculus. Students begin at the level of their original placement and, working at their own pace, may improve their placement up to M60 (precalculus level). This course consists of independent study using a computer program to refresh those concepts identified as needed for each student. (FT) Not Applicable to Associate Degree, pre-collegiate basic skills - reading, writing, computation.

15F College Algebra Refresher
3 hours lab, 1 unit
Pass/No Pass Only
This course is intended for those students who have completed the math assessment with a level of M50 and need to review their college algebra knowledge prior to taking either calculus sequence. This course will consist of personalized computer assisted instruction to refresh those concepts identified as needed for each student. Students will begin at the level of their original placement and, working at their own pace, may improve their placement. Successful completion of this course may serve as a basis for a petition to challenge College Algebra. Students wishing to challenge Pre-calculus must also show competence in Trigonometry, which may be done by completing Math 15E. (FT) Not applicable to the Associate Degree.

34A Basic Mathematics and Study Skills
(formerly Mathematics 32)
4 hours lecture, 4 units
Letter Grade or Pass/No Pass Option
Advisory: English 42 or English for Speakers of Other Languages 31, with a grade of "C" or better, or equivalent, or Assessment Skill Levels R4 or L40.
Limitation on Enrollment: This course is not open to students with previous credit for Mathematics 32.
This course is an introduction to fundamental concepts of arithmetic. Emphasis is placed on addition, subtraction, multiplication, division and exponentiation on whole numbers, fractions, and decimals. Topics also include simple percents and ratios, systems of measurement, and applications of these topics. Students learn basic study skills necessary for success in mathematics courses. This course is intended for students preparing for Pre-algebra. (FT) Not applicable to the Associate Degree.

38 Pre-Algebra and Study Skills
(formerly Mathematics 35)
4 hours lecture, 4 units
Letter Grade or Pass/No Pass Option
Advisory: English 42 or English for Speakers of Other Languages 31 and Mathematics 34A, with a grade of "C" or better, or equivalent, or Assessment Skill Levels R4 or L40 and M20.
Limitation on Enrollment: This course is not open to students with previous credit for Mathematics 35.
This course is a study of the fundamentals of arithmetic operations with signed numbers, including fractions and decimals as well as an introduction to some elementary topics in beginning algebra. Topics also include ratios and proportions, perfect squares.
and their square roots, elementary topics in geometry, systems of measurement, and monomial arithmetic. Students learn basic study skills necessary for success in mathematics courses. This course is intended for students preparing for Beginning Algebra. (FT) Not applicable to the Associate Degree.

**41 Math Study Skills**

1 hour lecture, 1 unit  
Pass/No Pass

**Limitation on Enrollment:** This course is not open to students with credit for Mathematics 265: Math Study Skills.

This course is designed to assist students in learning mathematics through the development of successful study skills and exam taking methods. This course addresses learning styles, how to read a math book, completing homework assignments, how to take notes and exams, basics of calculator operations and techniques for overcoming math anxiety. (FT) Credit for this course does not apply to the associate degree.

**46 Elementary Algebra and Geometry**  
(formerly Mathematics 95)

5 hours lecture, 5 units  
Letter Grade or Pass/No Pass Option

**Prerequisite:** Mathematics 38 with a grade of "C" or better, or equivalent, or Assessment Skill Level M30.  
**Advisory:** Completion of or concurrent enrollment in: English 43 and English 48, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W4 and R5.

**Limitation on Enrollment:** This course is not open to students with previous credit for Mathematics 95 with a grade of "C" or better.

Elementary algebra and geometry serves as the foundation for the other math courses and is the first of a two-course integrated sequence in algebra and geometry intended to prepare students for transfer level mathematics. This course covers the real number system; writing, simplifying, solving and graphing of linear equations in one variable; solving linear inequalities in one variable; solving systems of linear equations in two variables; algebraic operations with polynomial expressions and factoring; functions; operations involving rational expressions and related equations; and geometric properties of lines, angles, and triangles. This course is intended for students preparing for higher-level geometry and algebra courses. (FT) Not Applicable to Associate Degree, basic skills.

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**Associate Degree Courses**

**84 Practical Geometry**

3 hours lecture, 3 units  
Grade Only

**Prerequisite:** Mathematics 46 with a grade of "C" or better, or equivalent, or Assessment Skill Level M40.  
**Advisory:** English 43 with a grade of "C" or better, or equivalent, or Assessment Skill Level W4.

This course explores two and three-dimensional geometry through the use of transformations and constructions and proof. Students are also introduced to right triangle trigonometry. This course is designed for students who are earning an associate's degree and who are not planning to transfer to a four-year institution. (FT) Associate Degree Credit only and not Transferable.

**85 Practical Career Mathematics**

3 hours lecture, 3 units  
Grade Only

**Prerequisite:** Mathematics 46 with a grade of "C" or better, or equivalent, or Assessment Skill Level M40.  
**Advisory:** English 43 with a grade of "C" or better, or equivalent, or Assessment Skill Level W4.

This course is a study of the practical applications of linear, quadratic and exponential growth models. Topics also include statistical methods, geometry, right triangle trigonometry and finance math. This course will develop math literacy through the use of current events and real life applications. This course is designed for students who are earning an associate's degree and who are not planning to transfer to a four-year institution. (FT) Associate Degree Credit only and not Transferable.

**96 Intermediate Algebra and Geometry**

5 hours lecture, 5 units  
Letter Grade or Pass/No Pass Option

**Prerequisite:** Mathematics 46 with a grade of "C" or better, or equivalent, or Assessment Skill Level M40.  
**Advisory:** English 43 and English 48, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W4 and R5.

Intermediate Algebra and Geometry is the second of a two-semester integrated sequence in algebra and geometry. This course covers systems of equations and inequalities; radical and quadratic equations; quadratic functions and their graphs; complex numbers; nonlinear inequalities; exponentials and logarithmic functions; conic sections; sequences and series; and solid geometry. The course will also include application problems involving the topics covered.
This course is the prerequisite for numerous collegiate level/transfer level mathematics courses. (FT) Associate Degree Credit only and not Transferable.

Transfer Level Courses

104 Trigonometry

3 hours lecture, 3 units
Grade Only

Prerequisite: Mathematics 96 with a grade of “C” or better, or equivalent, or Assessment Skill Level M50. This course is a study of the numerical, analytical, and geometric properties of right and oblique triangles, of trigonometric and inverse trigonometric functions, and their applications. The course content includes right angle trigonometry, radian measure, circular functions, graphs of circular functions and their inverses, trigonometric identities, equations involving trigonometric and inverse trigonometric functions, an introduction of the complex plane, vectors and their operations, and the trigonometric form of complex numbers. This course is designed as a preparation for calculus and it is intended for the transfer student planning to major in mathematics, engineering, economics, or disciplines included in the physical or life sciences. This course meets CSU general education requirements. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

107 Introduction to Scientific Programming

3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option

Prerequisite: Mathematics 96 with a grade of “C” or better, or equivalent, or Assessment Skill Level M50. This course is designed to strengthen the algebra skills of students seeking Business or Natural Science degrees who are required to take an applied calculus course. Topics in the course include the theory of functions; graphing functions; exponential and logarithmic functions; solving equations involving algebraic, exponential and logarithmic functions; solving systems of linear equations; matrix algebra; linear programming; modeling; and applications.

107L Introduction to Scientific Programming Lab

3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option

Corequisite: Mathematics 107. This is a lab course to be taken concurrently with Mathematics 107. Extensive programming is required. Students are expected to plan and write programming projects with documentation. This course is recommended for students transferring to majors in Computer Science and/or mathematics. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

108 Intermediate Scientific Programming

3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option

Prerequisite: Mathematics 107 with a grade of “C” or better, or equivalent.

This course provides further training in program design and development, especially with regard to large projects. Advanced techniques in programming are studied along with basic data structures and algorithms. Problem-solving techniques in the fields of engineering, mathematics, and the sciences are covered. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC transfer Course List.

108L Intermediate Scientific Programming Lab

3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option

Corequisite: Mathematics 108. This is a lab course open only to those concurrently enrolled in Mathematics 108. Extensive programming is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

116 College and Matrix Algebra

3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option

Prerequisite: Mathematics 96 with a grade of “C” or better, or equivalent, or Assessment Skill Level M50. This course is designed to strengthen the algebra skills of students seeking Business or Natural Science degrees who are required to take an applied calculus course. Topics in the course include the theory of functions; graphing functions; exponential and logarithmic functions; solving equations involving algebraic, exponential and logarithmic functions; solving systems of linear equations; matrix algebra; linear programming; modeling; and applications.
problems. Analytical reading and problem solving skills are required for success in this course. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Mathematics (MATH) 116 and 141 combined: maximum credit, one course.

118 A Survey of Modern Mathematics
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 96 with a grade of "C" or better, or equivalent, or Assessment Skill Level M50. Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6. This course covers topics in probability, statistics, logical reasoning, quantitative literacy, the history of mathematics, and applications of mathematics to the real world. This is a general education course designed for students who do not intend to prepare for a career in science or business. Analytical reading and problem solving are required for success in this course. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

119 Elementary Statistics
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 96 with a grade of "C" or better, or equivalent, or Assessment Skill Level M50. This course covers descriptive and inferential statistics. The descriptive portion analyzes data through graphs, measures of central tendency and spread. Other statistical practices utilize basic probability, binomial and normal distributions, estimation of population parameters, hypothesis testing, linear regression and correlation. Analytical reading and problem solving are required for success in this course. This course meets district G.E. requirements. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

121 Basic Techniques of Applied Calculus I
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 116 with a grade of "C" or better, or equivalent. This course examines the study of calculus using numerical, graphical, and analytical methods to analyze calculus problems encountered in real-world applications in business, natural/life sciences, and social sciences. Topics include limits, derivatives, and integrals of algebraic, exponential, and logarithmic functions, curve sketching, optimization, and areas under and between curves and partial derivatives and optimization of multivariable functions. This is the first course in a sequence of mathematics courses for students intending to major in business, economics, or natural and social sciences. This course does not fulfill a mathematics requirement for mathematics, chemistry, physics, or engineering majors at most universities. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Mathematics (MATH) 121 and 150 combined: maximum credit, one course.

122 Basic Techniques of Calculus II
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 121 with a grade of "C" or better, or equivalent. This second course in a math sequence covers methods of integration, multivariable functions and optimization problems, differential equations, Taylor series development and application, derivatives and integrals of trigonometric functions, and their usage in solving problems encountered in real-world applications in business, life and social sciences and economics. It is intended for students majoring in business, natural science, social science and economics. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Mathematics (MATH) 122 and 151 combined: maximum credit, one course.

141 Precalculus
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 104 with a grade of "C" or better, or equivalent. This course is a study of numerical, analytical, and graphical properties of functions. The course content includes polynomial, rational, irrational, exponential, logarithmic, and trigonometric functions. Additional topics include: inverse functions, complex numbers, polar coordinates, matrices, conic sections, sequences, series and the binomial theorem. This course is designed as a preparation for calculus and is intended for the transfer student planning to major in mathematics, engineering, economics, or disciplines included in the physical or life sciences. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Mathematics (MATH) 116 and 141 combined: maximum credit, one course.
150 Calculus with Analytic Geometry I
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 141 with a grade of "C" or better, or equivalent.
This course is a primary introduction to university level calculus. The topics of study include analytic geometry, limits, differentiation and integration of algebraic and transcendental functions. Emphasis is placed on calculus applications. Analytical reading and problem solving are required for success in this course. This course is intended for the transfer student planning to major in mathematics, computer science, physics, chemistry, engineering, or economics. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Mathematics (MATH) 121 and 150 combined: maximum credit, one course.

150L Calculus I Laboratory
3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 141 with a grade of "C" or better, or equivalent.
Corequisite: Mathematics 150.
This course is a workshop, project-oriented course dealing with exploration and development of the calculus topics introduced in Calculus and Analytic Geometry I. This course directly supports the calculus lectures by having hands-on, collaborative assignments where technology is strongly incorporated throughout all the in-class assignments. Students work individually and in small groups on explorations and applications thus extending the material presented in Mathematics 150. Topics including geometric, analytic and numeric applications of limits, derivatives and integrals as well as calculus applications found in the physical and life sciences. This course is intended for all students currently enrolled in Mathematics 150. Instructor monitors and facilitates group and individual presentations and projects. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Mathematics (MATH) 210A and 210B combined: maximum credit, one course.

210A Concepts of Elementary School Mathematics I
3 hours lecture, 3 units
Grade Only
Prerequisite: Mathematics 96 with a grade of "C" or better, or equivalent, or Assessment Skill Level M50. Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course is the first course in a one-year sequence in the study of the mathematical concepts needed for teaching elementary school mathematics with emphasis on number and function. This course promotes an appreciation of the importance of logical thinking and applications of mathematics in problem solving and critical thinking. It studies the basic computational skills, but also requires the understanding and explanation of the basic mathematical concepts and the connections between them. It is designed especially for students preparing for credentials in elementary education. Analytical reading and problem solving are required for success in this course. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Mathematics (MATH) 210A and 210B combined: maximum credit, one course.

210B Concepts of Elementary School Mathematics II
3 hours lecture, 3 units
Grade Only
Prerequisite: Mathematics 210A with a grade of "C" or better, or equivalent. Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Level R6/W6 or English 105 with a grade of "C" or better, or equivalent. This course is the second course in a one-year sequence in the study of the mathematical concepts needed for teaching elementary school mathematics with emphasis on number, function, and parametric equations. This course also covers a general introduction to the theory and applications of power series, techniques of integration, and functions in polar coordinates, as it serves as a basis for multivariable calculus and differential equations, as well as most upper division courses in mathematics and engineering. It is intended for the transfer student planning to major in mathematics, computer science, physics, chemistry, engineering and economics. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Mathematics (MATH) 122 and 151 combined: maximum credit, one course.
promotes an appreciation of the importance of logical thinking and applications of mathematics in problem solving and critical thinking. It studies the understanding and explanation of the basic mathematical concepts and the connections between them. It is designed especially for students preparing for credentials in elementary education. Analytical reading and problem solving are required for success in this course. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Mathematics (MATH) 210A and 210B combined: maximum credit, one course.

212 Children's Mathematical Thinking
1 hour lecture, 1 unit
Grade Only
Corequisite: Completion of or concurrent enrollment in: Mathematics 210A with a grade of "C" or better, or equivalent.
Advisory: English 101 or English 105, with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6.
This course focuses on children's mathematical thinking and includes an in-depth study of place-value, fractions and how children solve mathematical problems. Students observe children and evaluate the problem strategies that are used. This course is intended for students pursuing a Multiple Subject Credential. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

237 Machine and Assembly Language
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 108 with a grade of "C" or better, or equivalent.
Corequisite: Mathematics 237L.
Limitation on Enrollment: This course is not open to students with credit for Mathematics 137L.
This course covers general concepts of machine and assembly languages, including data representation, looping and addressing techniques, subroutine linkage, and use of system and programmer-defined macros. Problem-solving techniques in the fields of engineering, mathematics, and the sciences are covered. This course is designed for computer science and mathematics majors who are intending to transfer to a four-year university (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

237L Assembly Language Lab
3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Corequisite: Mathematics 237.
Limitation on Enrollment: This course is not open to students with credit for Mathematics 137L.
This is a lab course to be taken concurrently with Mathematics 237. Practice is provided in applying programming techniques and problem solving skills using assembly language. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

245 Discrete Mathematics
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 122 or Mathematics 151 with a grade of "C" or better, or equivalent.
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6.
This course is an introduction to the theory of discrete mathematics and introduces elementary concepts in logic, set theory, number theory, and combinatorics. The topics covered include propositional and predicate logic, methods of proof, set theory, Boolean algebra, number theory, equivalence and order relations, counting techniques, and recursion. This course forms a basis for upper division courses in mathematics and computer science and it is intended for the transfer student planning to major in these disciplines. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

252 Calculus with Analytic Geometry III
4 hours lecture, 4 units
Grade Only
Prerequisite: Mathematics 151 with a grade of "C" or better, or equivalent.
The content of this course includes the algebra and geometry of 2 and 3 dimensional Euclidean vectors, limits, continuity, partial differentiation, extremes of vector-valued and multivariable functions, higher order derivatives, the chain rule, Lagrange's theorem, multiple integrals, integrals over paths and surfaces, and integral theorems of vector analysis. This course is intended as a general introduction to the theory and applications of multivariable calculus. It is essential for most upper division courses in mathematics and forms part of the foundation for engineering and physics. It is intended for the transfer student planning to major in mathematics, physics, engineering, computer science, physical chemistry, operational research, or economics. (FT) Associate Degree Credit &
transfer to CSU and/or private colleges and universities. UC Transfer Course List.

254 Introduction to Linear Algebra
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 151 with a grade of “C” or better, or equivalent.
This course serves as an introduction to the theory and applications of elementary linear algebra, and is the basis for most upper division courses in mathematics. The topics covered in this course include matrix algebra, Gaussian Elimination, systems of equations, determinants, Euclidean and general vector spaces, linear transformations, orthogonality and inner product spaces, bases of vector spaces, the change of basis theorem, eigenvalues and eigenvectors, the rank and nullity of matrices and of linear transformations. This course is intended for the transfer student planning to major in mathematics, physics, engineering, computer science, operational research, economics, or other sciences. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

255 Differential Equations
3 hours lecture, 3 units
Grade Only
Prerequisite: Mathematics 252 and Mathematics 254, each with a grade of “C” or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Medical Assisting 105.
This course covers first order and higher order equations and their applications. Topics include linear first order and higher order equations, homogeneous and nonhomogeneous equations with constant or variable coefficients, and systems of ordinary differential equations. Methods used to solve equations include substitution methods, integrating factors, reduction of order, variation of parameters, power series solutions, and Laplace Transforms. This course is intended as an introduction to the theory and applications of differential equations and is the basis for many upper division courses in engineering, physics, and mathematics. It is intended for the transfer student planning to major in mathematics, engineering, operational research, physics, or other physical science. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

290 Independent Study
Hours by Arrangement, 1-3 units
Letter Grade or Pass/No Pass Option
Limitation on Enrollment: Must obtain an Add Code from instructor for registration.
This course is for advanced students who wish to pursue special investigations. This course may be taken four times with different content for a maximum of six units. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

55 Fundamentals Human Anatomy and Physiology
3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.
Limitation on Enrollment: This course is not open to students with previous credit for Medical Assisting 105.
This course examines the structures of the human body and the functions of the major body systems. Topics include cell structure and physiology, tissue classification and function, and general body organization. This course is designed for medical assisting majors and anyone interested in entering a health care career. (FT) Associate Degree Credit only and not Transferable.

80 Basic Phlebotomy
4 hours lecture, 1.5 hours lab, 4.5 units
Grade Only
Advisory: English 48 and English 49 and Mathematics 38, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5, W5 and M30.
Limitation on Enrollment: Special Admission - must be admitted to program.
This course provides basic training in capillary puncture through didactic and clinical instruction as required by the State of California, Department of Health Services-Laboratory Field Services. The lecture portion of this course includes Anatomy and
Physiology of the body systems with emphasis on the Circulatory System, Medical Terminology and Infection Control. The clinical component of this course provides students with hands-on training in capillary puncture. Students apply knowledge of theory to the clinical setting. This course is intended for students in the Phlebotomy Training Program. Upon successful completion of the Phlebotomy Training Program students are awarded a Certificate of Performance in Phlebotomy and may apply for State of California certification as a Certified Phlebotomy Technician 1 (CPT 1) and sit for the American Medical Technologists exam for Registered Phlebotomy Technician (RPT). (FT) Associate Degree Credit only and not Transferable.

85 Advanced Phlebotomy

3 hours lecture, 3 hours lab, 4 units
Grade Only

Prerequisite: Medical Assisting 80 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Special Admission - must be admitted to program.

This course provides training in venipuncture through didactic and clinical instruction, including advanced training as required by the State of California, Department of Health Services-Laboratory Field Services. The lecture portion of this course includes advanced Infection Control and biohazards, risk factors and appropriate responses to complications, anatomical site selection, quality assurance, pre-analytical source of error and ethical and legal issues related to phlebotomy. The clinical component of this course provides students with hands-on training in venipuncture. Students apply knowledge of theory to the clinical setting. This course is intended for students in the Phlebotomy Training Program. Upon successful completion of the Phlebotomy Training Program students are awarded a Certificate of Performance in Phlebotomy and may apply for State of California certification as a Certified Phlebotomy Technician 1 (CPT 1) and sit for the American Medical Technologists exam for Registered Phlebotomy Technician (RPT). (FT) Associate Degree Credit only and not Transferable.

90 Phlebotomy Practicum

75 - hours other, 1 unit
Grade Only

Prerequisite: Medical Assisting 85 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Special Admission - must be admitted to program.

This course is an unpaid 75 hour clinical experience designed for students to gain additional experience in phlebotomy. Students complete 50-100 venipunctures, 25 capillary punctures and observe 2 arterial punctures at an appropriate clinical site. Students apply knowledge of theory to the clinical setting. This course is intended for students in the Phlebotomy Training Program. Upon successful completion of the Phlebotomy Training Program students are awarded a Certificate of Performance in Phlebotomy and may apply for State of California certification as a Certified Phlebotomy Technician 1 (CPT 1) and sit for the American Medical Technologists exam for Registered Phlebotomy Technician (RPT). (FT) Associate Degree Credit only and not Transferable.

100 Principles of Infection Control

3 hours lab, 1 unit
Grade Only

Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: This course is not open to students with previous credit for Medical Assisting 120.

This course provides an overview and application of current Occupational Safety and Health Administration (OSHA) and Standard Precautions related to infection control in the clinical setting. This course is designed to meet OSHA and blood-borne pathogen control for medical assistants, other allied health personnel and occupations that have exposure to potentially infectious material such as blood, urine and other body fluids. The evolution of asepsis and infection control will be presented as a basis for understanding the need for protection in health care and service environments. The application and use of personal protective equipment (PPE), aseptic handwashing techniques, disposal of biohazard material and other related topics will be explored and practiced. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

101 Medical Ethics and Legal Issues for the Allied Health Professional

1 hour lecture, 1 unit
Grade Only

Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course presents future Allied Health professionals with an overview of ethical and legal practices related to the medical field. Guidelines pertaining to the laws,
policies and regulations associated with medical issues and clinical practice within the various Allied Health professions, as well as those established by their associated accrediting/licensing agencies, are described and discussed. The impact of the cultural, social, ethical differences and the expectations from the patient’s perspective are analyzed and assessed. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

102 Human Behavior for Allied Health Students

3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course introduces students in the Allied Health professions to the basic principles of human behavior and personality development as well as issues related to mental health and illness. An introduction to basic concepts related to psychology, culture and society are presented. Human behavior throughout the stages of life; birth to old age; are evaluated. Behavior associated with death, dying and grieving is also discussed. The hereditary and environmental influences as well as cultural beliefs, values, and practices regarding health and illnesses are explored. Students will also be introduced to the concepts of mental wellness and mental disorders. The different methods of treatment and therapy utilized in the rehabilitation and recovery of patients with mental illnesses will be addressed. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

103 Professionalism and Teamwork in Health Care

1 hour lecture, 1 unit
Grade Only
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course examines the professional traits and skills of the successful health care professional. Students in this course will realize the job commitment needed to pursue a career in the Allied Health field, and the professional traits and skills needed to be successful in this field. Students will be introduced to teamwork practices utilized in the Allied Health environment. Students will also become familiar with the "Code of the Professional Ethics" and "Scope of Practice" specific for the Allied Health area that applies to their individual career and interests. Lastly, students will be instructed in composing a personal resume, completing a job application and participating in the interviewing process. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

104 Medical Office Management

3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5; and Medical Assisting 110 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Medical Assisting 110 and 210 combined. Special Admission - must be admitted to program.
This course is designed to prepare Allied Health students to work in physicians’ offices, clinics, hospitals, and other medical areas. The course covers administrative and clerical functions of a medical office assistant including patient reception, scheduling appointments, telephone procedures, medical records management, written communications, patient records, office management, professional activities, and personal conduct. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

106 Principles of Infection Control and Sterile Technique

1 hour lecture, 1.5 hours lab, 1.5 units
Grade Only
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
Limitation on Enrollment: This course is not open to students with previous credit for Medical Assisting 110 and Medical Assisting 120 and 210 combined. Special Admission - must be admitted to program.
This course provides an overview and application of current Occupational Safety and Health Administration (OSHA) policies and regulations and Standard Precautions related to infection control in the clinical setting. This course is designed to meet OSHA and blood-borne pathogen control for medical assisting and other allied health students who have potential exposure to infectious material such as blood, urine and other body fluids. The evolution of asepsis and infection control is presented as a basis for understanding the need for protection in health care and service environments. The application and use of personal protective equipment (PPE), medical and surgical aseptic handwashing techniques, disposal of biohazard material and other related topics is
explored and practiced. This course also covers the differences between disinfection and sterilization. The students sterilize instruments, materials and equipment using a variety of methods and set-ups to maintain and work in a sterile field. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

110 Medical Terminology
3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course covers basic medical terminology and the vocabulary of medical specialties. Special emphasis is on the use of prefixes and suffixes, and non-technical explanations of medical terms and descriptions of anatomy, physiology, and pathology. Students learn to utilize medical terminology as it applies to the structure of the human body, common laboratory tests, radiological and operative procedures, as well as basic pharmacology. This course is open to the general public as well as students in special programs or those who wish to review this information. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

112 Principles of Patient Care
1 hour lecture, 3 hours lab, 2 units
Grade Only
Corequisite: Medical Assisting 113 with a grade of "C" or better, or equivalent. Completion of or concurrent enrollment in: Medical Assisting 105, 106 and 110, each with a grade of "C" or better, or equivalent.
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
Limitation on Enrollment: This course is not open to students with previous credit for Medical Assisting 120. Special Admission - must be admitted to program.
This course provides Medical Assisting students with the fundamentals of patient care in the clinical setting. Students practice the communication skills needed to obtain patient information, as well as instruct and educate patients. Students apply the principles of medical documentation to record information obtained from patient interviews, measuring vital signs, procedures performed or other pertinent patient information as an entry in the patient's medical record. Correct body mechanics needed to assist, move and position patients are presented and students practice positioning patients, preparing trays, measuring a patient's vital signs and assisting with general and specialized clinical procedures performed in the medical setting and within the "Scope of Practice" for the Medical Assistant. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

113 Diagnostic Testing
3 hours lab, 1 unit
Grade Only
Corequisite: Medical Assisting 112
Corequisite: Completion of or concurrent enrollment in: Medical Assisting 105 and Medical Assisting 110 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program.
This course presents the principles of diagnostic testing to the Medical Assisting student. Students will learn to screen patients for various diagnostic tests and to follow-up test results. Students will be introduced to the different types of medical laboratories and will learn to apply laboratory safety practices in accordance with Standard Precautions and Occupational Safety & Health Administration (OSHA) regulations. Methods of quality control will be introduced and applied for specimen collection, transport, and testing. Students will receive hands-on instruction and practice using common laboratory equipment to perform Clinical Lab Improvement Act (CLIA) approved tests for the Medical Assistant, such as certain hematology, chemistry, immunology, microbiology tests, urinalysis, and respiratory function testing. Principles of radiological tests, such as X-rays, computerized axial tomography (CT) scanning, magnetic resonance imaging (MRI) and others will be discussed. Students will be instructed in respiratory function testing and result analysis. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

115 Pathophysiology
3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
Advisory: Completion of or concurrent enrollment in: Medical Assisting 105 or 110 or Biology 160, each with a grade of "C" or better, or equivalent.
The course focuses on disease processes in the human body from a systems approach. Analysis of some of the most common and significant diseases is included. The signs and symptoms, etiology, diagnosis, and treatment of disease are examined along with the
appropriate medical terminology. This course is designed for students in allied health programs, but is also open to those who wish to broaden their medical background or review this information. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

145 Directed Clinical Practice
225 hours other, 3 units
Grade Only
Prerequisite: Medical Assisting 110, 112 and 113, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program.
This course is designed to give medical assisting students hands-on, unpaid clinical experience at a medical facility. Focus is placed on the safe, legal, ethical and effective application of skills learned in prior medical assisting courses. This course also fosters the development of communication skills, interpersonal relationships and professionalism required for the healthcare field. Supervision of students is provided by the staff of the affiliating institution and coordinated by the college faculty. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

150 Phlebotomy
2 hours lecture, 2 units
Grade Only
Prerequisite: Medical Assisting 105 or Biology 160, with a grade of "C" or better, or equivalent.
Advisory: English 48 and English 49 and Mathematics 46, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5, W5 and M40.
Limitation on Enrollment: Special Admission - must be admitted to program.
This course prepares students to perform venipunctures, capillary punctures, and basic blood lab tests required for entry-level medical assisting positions in clinics and other health care settings. This course is designed for students completing the Medical Assisting Program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

205 Administrative Medical Assisting II
2.5 hours lecture, 1.5 hours lab, 3 units
Grade Only
Prerequisite: Medical Assisting 110 with a grade of "C" or better, or equivalent.
Advisory: English 48 and English 49 and Mathematics 46, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5, W5 or M40.
Limitation on Enrollment: This course is not open to students with previous credit for Computer Business Technology 238 and Accounting 186 or Medical Assisting 240 and 245.
This course introduces and instructs allied health students in the use of accounting systems for medical and dental offices (including the pegboard and computerized accounting systems) and health insurance procedures. Emphasis is placed on medical accounting terminology, ledgers, methods used in payroll accounting, preparation of account charts and correct completion of benefit and claim forms. This course also prepares students to work with insurance forms in medical offices, hospitals and other clinical settings and in the proper use of procedural and diagnostic coding utilizing the most current editions of Physicians Current Procedural Terminology and International Classification of Diseases. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

220 Electrocardiogram Application
1.5 hours lab,.5 unit
Grade Only
Prerequisite: Medical Assisting 113 with a grade of "C" or better, or equivalent.
Corequisite: Medical Assisting 230 and 250, each with a grade of "C" or better, or equivalent. Completion of or concurrent enrollment in: Medical Assisting 150 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Medical Assisting 130. Special Admission - must be admitted to program.
This course presents the Medical Assisting and other Allied Health students with the basic principles of performing and analyzing an electrocardiogram (ECG). Students review the anatomy, physiology and electrophysiology of the heart and circulatory system as it pertains to an ECG. The basic components of an ECG, types of cardiac rhythms; both normal and abnormal presented. Students perform and analyze a normal 12-Lead ECG. Students also become familiar with and are able to identify the abnormal cardiac rates, rhythms and conditions that can be diagnosed utilizing an ECG. This course is appropriate for medical care workers with a need for this information. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
230 Minor Surgery

1.5 hours lab, .5 units

Grade Only

Prerequisite: Medical Assisting 113 with a grade of "C" or better, or equivalent.
Corequisite: Medical Assisting 220 and 250, each with a grade of "C" or better, or equivalent. Completion of or concurrent enrollment in: Medical Assisting 150 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: This course is not open to students with previous credit for Medical Assisting 130. Special Admission - must be admitted to program.

This course introduces the Medical Assisting student to the principles of minor surgery, its history and settings. Students become familiar with a variety of common surgical procedures and utilize the instruments, materials and supplies used in the procedures in an aseptic manner. Patient pre-operative and post-operative processing is also presented and practiced. Alternate surgical procedures are also discussed. Students are instructed in the Scope of Practice of the Medical Assistant as it relates to minor surgery. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

250 Medication Administration Practicum

1.5 hours lab, .5 units

Grade Only

Prerequisite: Medical Assisting 113 with a grade of "C" or better, or equivalent.
Corequisite: Medical Assisting 220 and 250, each with a grade of "C" or better, or equivalent. Completion of or concurrent enrollment in: Medical Assisting 150 with a grade of "C" or better, or equivalent.
Advisory: Health Information Technology 125 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: This course is not open to students with previous credit for Medical Assisting 130. Special Admission - must be admitted to program.

In this course the Medical Assisting student practices the hands-on-application of medication administration. The course presents the principles and the guidelines for reading and interpreting a medical prescription. The course content also stresses the mechanisms for calculating, measuring and administering drugs; both orally and parenterally using placebos to carryout the medical prescription. Principles of intravenous (I.V.) therapy are discussed. Students maintain medication and immunization records in accordance with the appropriate application of documentation and record preparation principles. Also covered in this course are the complications of medication administration and the immediate measures that need to be applied in each situation. Students should be aware that they perform and practice invasive procedures on each other as one of the course requirements. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

290 Independent Study

Hours by Arrangement, 1-3 units

Grade Only

Limitation on Enrollment: Must obtain an Add Code from instructor for registration.

Provides for additional research, academic or clinical experiences for students with special interest. The course consists of individualized research problems, conferences with the instructor at prearranged intervals and a final written report on the work completed. This course may be taken four times with different content for a maximum of six units. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

340A Principles of Phlebotomy

1 hour lecture, 3 hours lab, 2 units

Grade Only

Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: This course is not open to students with previous credit for or concurrent enrollment in Medical Assisting 150.

This course instructs students in the performance of basic venipuncture, capillary puncture techniques and the basic blood lab tests required for entry-level positions in hospitals, clinics, and other health care settings as a phlebotomy technician. Course topics are in compliance with the regulations of the California Department of Health Services and Laboratory Services for California certification as a phlebotomy technician, including the role of the technician in the allied health field, principles of OSHA regulations and blood-borne pathogen control, patient processing review of clinical lab, and anatomy of blood and blood vessels. This course is open to students reviewing these principles. A certificate of completion in phlebotomy is awarded after successful completion of additional courses. (FT) Associate Degree Credit only and not Transferable.
340B Phlebotomy Directed Clinical Practice
1 unit
Grade Only
Prerequisite: Medical Assisting 340A with a grade of "C" or better, or equivalent.
This course is an unpaid clinical experience designed for students who want to achieve a certificate of completion in phlebotomy. Students complete 50-100 blood draws and 25 skin sticks at an appropriate clinical site in accordance with the requirements needed for national certification. The certificate of completion in phlebotomy meets the requirements needed to attempt the appropriate certifying exam specified for national certification as a phlebotomy technician. The course is also open to students to gain additional experience in phlebotomy. Seventy-five hours at the clinical site must be completed to meet the requirements of this course. (FT) Associate Degree Credit only and not Transferable.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

130 Configuring Microsoft Windows Client
1 hour lecture, 4.5 hours lab, 2.5 units
Grade Only
Advisory: Information, Network, and Web Technologies 100 with a grade of "C" or better, or equivalent.
This course provides students with the knowledge and skills to install and configure Windows desktops and mobile computers and applications that run on Windows in a network environment. Course content follows the Microsoft Official Academic Course curriculum and is intended to prepare students to take the Microsoft Certified IT Professional (MCITP) and Microsoft Certified Technology Specialist (MCTS) certification exam. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

132 Windows Server Network Infrastructure, Configuring
1.5 hours lecture, 4.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Microsoft 130 with a grade of "C" or better, or equivalent.
This course provides students with the knowledge and skills to configure and troubleshoot a Windows server network infrastructure. Students learn how to configure secure network access, implement fault tolerant storage technologies, secure servers and maintain update compliance. Course content follows the Microsoft Official Academic Course curriculum and is intended to prepare students to take the Microsoft Client component of the Microsoft Certified IT Professional (MCITP) and Microsoft Certified Technology Specialist (MCTS) certification exam. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

134 Implementing, Managing, and Maintaining Network Infrastructure I
.5 hour lecture, 3 hours lab, 1.5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Microsoft 130 and Microsoft 132, each with a grade of "C" or better, or equivalent.
This course is the first part of the Microsoft Implementing, Managing, and Maintaining a Microsoft Server Network Infrastructure series and provides students with the knowledge and skills necessary to configure, manage, and troubleshoot a Windows Server network infrastructure. The students learn to implement routing; plan, implement, manage, and maintain Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and Software Update Services (SUS); implement security, and implement a network access infrastructure through various techniques. This course follows the Microsoft Official Curriculum (MOC) and it is intended to prepare students to take the Microsoft's Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure (Network Services) component of the Microsoft Certified Systems Engineer (MCSE) certification exam (Microsoft Exam # 70-291). This course may be taken three times with new technologies. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
160 Microsoft Exchange Server, Configuring
1 hour lecture, 4.5 hours lab, 2.5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Microsoft 132 with a grade of "C" or better, or equivalent.
This course provides students with the knowledge and skills necessary to install, configure and administer a Microsoft Exchange Server. Emphasis is placed on managing messaging and connection security, message recovery, and monitoring and troubleshooting the Microsoft Exchange Server. Course content follows the Microsoft Official Academic Course curriculum and is intended to prepare students to take the Microsoft Server component of the Microsoft Certified Technology Specialist (MCTS) and the Microsoft Certified IT Professional (MCITP) certification exam (70-236). (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

114 Intermediate Flash
3 hours lecture, 3 hours lab, 4 units
Letter Grade or Pass/No Pass Option
Advisory: Multimedia 112 with a grade of "C" or better, or equivalent.
This is a projects-based intermediate Flash course designed to develop skills in digital image media design and beginning ActionScript. Emphasis is placed on developing interactive web-based multimedia presentations incorporating ActionScript, sound, video and graphics at the beginning level. This course is intended for students interested in creating interactive web sites, 2-dimensional (2-D) animation, games and applications. This course may be repeated once with significant software changes. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

116 Flash Game Development
3 hours lecture, 3 hours lab, 4 units
Grade Only
Advisory: Multimedia 114 with a grade of "C" or better, or equivalent.
This is a project-based advanced-level course in Flash for online and stand-alone game creation. Emphasis is placed on the game development process, including design, story and character development, the physics and motion of a game, audio issues, optimization, and deployment. This course is designed for students with a strong foundation in Flash ActionScripting. This course may be repeated once with significant software changes. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

118 Multimedia Production
2 hours lecture, 3 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Advisory: Multimedia 101 and Multimedia 112, each with a grade of "C" or better, or equivalent.
Multimedia Production is a hands-on course in multimedia project planning and production. Students work in teams to design and complete an interactive media project. Original visual and time-based media elements are incorporated, providing each student with a portfolio preparation that presents all skills obtained in the program. This course is intended for students preparing for careers in the multimedia industry. (FT) Associate Degree Credit and not Transferable.

**120 Introduction to Video Game Development**  
3 hours lecture, 3 units  
Grade Only  
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.

This is an introduction to the dynamic field of video game development. It is designed for individuals who wish to enter designer positions in the video game industry. Students learn the history of video games and the elements of video game design and architecture. Students also learn the roles of various teams in the development process and the process of quality assurance testing of video games. This course may be offered via technologically mediated instruction. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**121 Digital Image Editing**  
3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option  
Advisory: Multimedia 112 with a grade of “C” or better, or equivalent.

This pragmatic course develops skills in the advanced use of bitmapped media design software applications. The student develops expert skills in producing bitmapped media elements for the diverse range of applications. Students will present a portfolio of a selected project of interest. This course is intended for multimedia, art, and graphic design students who plan to pursue a career in the multimedia industry. This course may be repeated once with significant software changes. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**122 Vector Image Editing**  
3 hours lecture, 3 units  
Grade Only  
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent.

This is a project-based course designed to develop skills in the use of vector media design software applications. Emphasis is placed on producing vector media elements for a diverse range of applications. This course is intended for multimedia, art, and graphic design students who plan to pursue a career in the multimedia industry. This course may be repeated once with significant software changes. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**123 Digital Video**  
3 hours lecture, 3 units  
Letter Grade or Pass/No Pass Option  
Advisory: Multimedia 112 with a grade of “C” or better, or equivalent.

This course is a project-based course in the use of nonlinear digital video editing systems. Emphasis is placed on the process of digital video development and production using non-linear video editing techniques. Topics also include the history of film and traditional filmmaking as they relate to current practices. This course is intended for students pursuing careers in the multimedia industry. This course may be repeated once with significant software changes. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**127 Creating User-Centered Websites**  
2.5 hours lecture, 1.5 hours lab, 3 units  
Grade Only  
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5; completion of or concurrent enrollment in: Computer Business Technology 114 and 161 and Multimedia 101 and 121, each with a grade of “C” or better, or equivalent.

This course teaches strategies and processes for developing websites and multimedia projects that are user-centered and meet industry standards of usability. User-centered websites are ADA (Americans with Disabilities Act) accessible, functional, and searchable by search engines. Students learn how to design a user-centered website and multimedia projects using a succinct writing style, HTML/XHTML, cascading style sheets (CSS), well-designed navigation, and effective design. Students create and post a website to the Internet. This course is designed for students pursuing a career in multimedia, web development, business or communication. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
137 Introduction to 3D Animation I
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: Multimedia 112 with a grade of “C” or better, or equivalent.
This course is a guided digital studio approach to developing skills in the use of 3D animation and 3D modeling software applications. The student acquires the necessary skills to produce and present the portfolio preparation of a selected project of interest. This course is intended for students pursuing a career in the multimedia industry. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

139 3D Character Animation II
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: Multimedia 137 with a grade of “C” or better, or equivalent.
This course is a guided digital studio approach to production. This course combines exercises and individual and group projects to develop necessary skills and techniques in digital studio production. The course is intended for students who are preparing for more advanced study in 3D modeling and animation. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

141 3D Animation: Realism
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: Multimedia 139 with a grade of “C” or better, or equivalent.
This course is an advanced study in character animation and feature length digital media production. Exercises, individual and group projects prepare the student for employment in the 3D modeling and animation industry. This course is intended for individuals pursuing careers in the 3D animation segment of the multimedia industry. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

143 3D Animation: Production Studio
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: Multimedia 141 with a grade of “C” or better, or equivalent.
This course is a balanced combination of hands-on sessions, exercises, individual and group projects. The course structure emphasizes the relationships among anatomy, motion, weight, and timing. This course prepares students for employment in the 3D modeling and animation industry. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

100 Introduction to Music
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.
This is a survey course designed to develop listening perception through lectures, recordings, films and concerts. The conceptual and stylistic differences in music from various periods and cultures will be examined through discussion of the elements of music as well as through discussions of ethnic, jazz, vocal instrumental and 20th century music. This course is designed to support students in all majors who are interested in satisfying the general education requirements for Arts and Humanities. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

101 Music History I: Middle Ages to Mid 18th Century
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5; and Music 150A with a grade of “C” or better, or equivalent.
This course is a study of Western (European) music from the Middle Ages through the middle of the 18th century. Emphasis is on aural and visual recognition of style, form, and other musical elements, examined through representative works of composers of each historical period. This course is designed for but not limited to music majors. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.
102 Music History II: Mid 18th to Early 20th Century
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5; and Music 150A, with a grade of "C" or better, or equivalent.
This course is a study of Western (European) music from the middle of the 18th century through the early 20th century. Emphasis is on aural and visual recognition of style, form, and other musical elements examined through representative works of major composers of each historical period. This course is designed for but not limited to music majors. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

105 Music of Our Time
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course is a study of music history and music current affairs from 1900 to the present day. Methods and issues that innovative musical artists have faced or currently face are examined. The nature of the compositional act as it has evolved over the past 100 years is also explored. Students study a wide variety of styles, forms and media of musical output in this historical period from as many different perspectives as possible. This course is designed for both the general student as well as students who intend to further their music studies. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

109 World Music
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This music survey course explores the music cultures of Asia, the Middle East, Africa, Central and South America, the Caribbean and other areas with resident populations in San Diego. Musical practices and perspectives from several music cultures are studied with an emphasis on understanding and appreciation from non-ethnocentric viewpoints. Listening perception is developed through lectures and multimedia presentations. The course is intended to satisfy general education requirements for Arts and Humanities and satisfies the San Diego Community College District’s Multicultural Course Studies requirement. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

110 Music for Elementary School Teachers
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course prepares students to teach music as part of the curriculum in the elementary school classroom, the preschool, or day-care program. Students develop an understanding of musical concepts primarily by singing and/or playing an instrument and create lesson plans for teaching these concepts to children. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

111 Jazz - History and Development
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course is a survey of the history and development of jazz in the United States. Emphasis is placed on the origins of jazz, the variety of styles that developed throughout the twentieth century, current trends and outstanding performers and composers. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

115A Class Piano I
.5 hours lecture, 1.5 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course introduces basic skills to music majors whose theoretical and practical keyboard skills are deficient, and to non-music majors who have had little or no experience at the piano. This course focuses on developing repertoire, sight reading, transposition, harmonization, creative composition, and modulation techniques. (FT) Transfer credits: CSU and/or private colleges and universities. UC Transfer Course List.
115B Class Piano II
.5 hours lecture, 1.5 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Prerequisite: Music 115A with a grade of "C" or better, or equivalent.
This course is a continuation of Music 115 A, with an emphasis on moderately difficult techniques in developing repertoire, keyboard techniques, sight-reading, transposition, harmonization, creative composition, improvisation, ensemble playing, and modulation techniques. This course is appropriate for music majors whose theoretical and practical keyboard skills are deficient as well as for non-music majors. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

120 Beginning Voice Class
1.5 hour lecture, 1.5 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
Limitation on Enrollment: This course is not open to students with previous credit for Music 120A.
Beginning Voice Class is an introductory study of efficient vocal production and performance. Beginning exercises for breath management, extending the vocal range, increasing vocal resonance and volume, and singing in an expressive manner are introduced. Vocal exercises and solos are performed to demonstrate these skills. Choral singers, all music majors and students considering music as a major benefit from this class. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

121 Intermediate Voice
1.5 hours lecture, 1.5 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 120 with a grade of "C" or better, or equivalent.
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
Limitation on Enrollment: This course is not open to students with previous credit for Music 120B.
Intermediate Voice is an in-depth study of specific elements of efficient vocal technique and performance. These include breath management via body alignment, managing stage fright, and analyzing the expressive elements of selected music. Vocal exercises and songs from various music styles are performed including selections made by students.

123 Recital Hour
1.5 hours lab,.5 unit
Grade Only
This course offers a series of live musical events in a variety of styles, including traditional classical music as well as music from diverse cultures. Presentations feature well-known international performers, music faculty, and music student performers. Students in this course participate by active listening and completing a workbook that describes and assesses their musical experiences and perceptions. No musical experience is assumed or required. This course is required for music majors seeking an associate degree. The content of this course will differ each semester. This course may be taken four times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

125 Music, The Arts, and Humanity
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course is a multi-cultural, multimedia approach to the living musical, expressive and ceremonial art forms and cultural context of the major continents. Cultures in the United States that have been traditionally under represented in the curriculum will be emphasized. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

132A Classical Guitar I
0.5 hours lecture, 1.5 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Advisory: Music 150A with a grade of "C" or better, or equivalent.
This is the first of a two-semester sequence of courses that present the study of classical guitar. The beginning course introduces basic skills to students who have had little or no experience with the guitar. The course is intended for students who are interested in learning the fundamentals of classical guitar and elementary music skills. This course focuses on developing right and left-hand technique and sight-reading. Lectures are followed by practical application
on the instrument. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

132B Classical Guitar II
.5 hour lecture, 1.5 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Prerequisite: Music 132A with a grade of "C" or better, or equivalent.
This is the second in a two-semester sequence of study of classical guitar. In this course students are introduced to a set of broad-ranging technical skills, including mastery of the fretboard, chord chart reading, and sight-reading. This course also introduces level-appropriate literature, including works from several periods and styles, with an emphasis on interpretation skills. Lectures are followed by practical application on the instrument. Students apply the skills and techniques developed in this class in live performances. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

150A Basic Musicianship
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
This course is designed for music majors as well as non-music majors. It enables the student to develop perceptions in sight and sound as related to the symbols of rhythmic, melodic, and harmonic notation. It will also enable the student to develop skill in writing, major, minor, and chromatic scales, chord construction and intervals; and to identify terms used to indicate tempo and dynamics. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

158A Music Theory I
4 hours lecture, 4 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 150A with a grade of "C" or better, or equivalent.
Advisory: Concurrent enrollment in: Music 268A.
This course is an intensive study of diatonic harmony in major and minor modes and includes structural and stylistic analysis of music from the period 1600-1750. The emphasis is on development of four-part writing skills using seventh and borrowed chords, the process of modulation; melodic construction using non-harmonic tones; analysis of Bach Chorales and of binary and ternary forms. This course is designed for the student pursuing music as a major or for the student interested in enhancing technical knowledge of music. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

158B Music Theory II
4 hours lecture, 4 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 158A with a grade of "C" or better, or equivalent.
Advisory: Concurrent enrollment in: Music 268B.
This course is a continuation of 158A. It is an intensive study of diatonic harmony in major and minor modes and includes structural and stylistic analysis of music of the "common practice" period (1700-1900). The emphasis is on continued development of four-part writing skills using seventh and borrowed chords, the process of modulation; melodic construction using non-harmonic tones; analysis of Bach Chorales and of binary and ternary forms. This course is designed for the student pursuing music as a major or for the student interested in enhancing technical knowledge of music. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

190 The Electronic Music Studio
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5; and completion of or concurrent enrollment in: Music 150A with a grade of "C" or better, or equivalent.
This course is a study of recording and electronic music equipment. It is a prerequisite to future work in the electronic music studio and also prepares students for a major in music. The course demonstrates basic techniques using microphones, tape recorders, the mixing board, synthesizers, samplers and music applications such as sequencing on computers. Emphasis is on students’ acquisition of basic skills needed for practical application and on acquiring knowledge of simple electronic and acoustic theory, including Musical Instrument Digital Interface (MIDI). Students design and create special projects using this equipment and proper protocol during lab hours and present their projects in class. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
201 Recording Arts
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 190 with a grade of “C” or better, or equivalent.
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5; and completion of or concurrent enrollment in: Music 150A, with a grade of “C” or better, or equivalent.
This course is a study of advanced acoustics and electronic theory as applied to recording, mixing, and sound processing. The course will demonstrate various applications of advanced tape recording, microphone use, and mixing, such as tape editing, effects processing, music concrete composition, and other techniques for music composition. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

202 Computer Music
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 190 with a grade of “C” or better, or equivalent.
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5; and Music 150A with a grade of “C” or better, or equivalent.
This course is a study of the application of contemporary digital technology to the practice of music performance and composition. The emphasis of this course is on the acquisition of computer skills to access and manipulate musical data via MIDI and other digital formats. These skills allow students to digitally sample sounds, control synthesizers and samplers, synchronize computers to tape, sequence music, transcribe and print musical scores and conceive new techniques for music composition. This course is designed for students who are interested in continuing their education in the Electronic Music Studio. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

205A Projects in Electronic Music
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 201 with a grade of “C” or better, or equivalent.
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent; and completion of or concurrent enrollment in Music 190 (students have the option to create their music with the aid of recording facilities and computer workstations on campus if they are currently enrolled in or have passed Music 190 with a grade of “C” or better, or equivalent).
In this course, students learn to work efficiently as composers with the added support of constant positive feedback. This course is not limited to composing in a classical style but addresses broader issues common to all styles and genres. Included are such studies in compositional principles of form and structure, and other issues that enable students to analyze the nature of their musical creativity. The emphasis is on the students’ examining from a critical standpoint weaknesses and strengths in their own original compositions as well as that of their peers, and on the students’ developing their creative potential. In addition to music majors and students with advanced knowledge of music, this course is intended for any students actively creating their own music. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

205B Projects in Electronic Music
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 205A with a grade of “C” or better, or equivalent.
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5; and Music 150A with a grade of “C” or better, or equivalent.
In this course, students expand their portfolio to include music projects /productions for various media applications and industries such as for the Internet, television and cinema. Students analyze the nature of sound, sound production, sound enhancement, and the resulting music and sound recordings created. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

206A Projects in Composition
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5; and Music 150A with a grade of “C” or better, or equivalent; and completion of or concurrent enrollment in Music 190 (students have the option to create their music with the aid of recording facilities and computer workstations on campus if they are currently enrolled in or have passed Music 190 with a grade of “C” or better, or equivalent).
In this course students learn to work efficiently as composers with the added support of constant positive feedback. This course is not limited to composing in a classical style but addresses broader issues common to all styles and genres. Included are such studies in compositional principles of form and structure, and other issues that enable students to analyze the nature of their musical creativity. The emphasis is on the students’ examining from a critical standpoint weaknesses and strengths in their own original compositions as well as that of their peers, and on the students’ developing their creative potential. In addition to music majors and students with advanced knowledge of music, this course is intended for any students actively creating their own music. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
206B Projects in Composition
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5; and Music 150A with a grade of "C" or better, or equivalent; and completion of or concurrent enrollment in Music 190 (students have the option to create their music with the aid of recording facilities and computer workstations on campus if they are currently enrolled in or have passed Music 190 with a grade of "C" or better, or equivalent). This course is a companion course to Music 206A and is designed to allow students, with the aid of recording facilities and computer workstations running music software, to pursue their work as composers. This course is not limited to composing in a classical style but addresses broader issues common to all styles and genres. Included are such studies in compositional principles of balance, texture, dramatic emphasis and other issues that enable students to analyze the nature of their musical creativity. Upon completion of the Music 206 course sequence students have a portfolio of original music. In addition to music majors and students with advanced knowledge of music, this course is intended for any students actively creating their own music. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

209 Electronic Music Studio Internship
4 hours lab, 1 units
Grade Only
Prerequisite: Music 190 with a grade of "C" or better, or equivalent.
Advisory: Completion of or concurrent enrollment in: Music 201 or Music 202 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Tryout or Audition. This course allows advanced students in recording arts and computer music to get credit for assisting others in the Electronic Music Studio lab. After audition students are assigned to assist beginning and intermediate students from other classes working in the Electronic Music Studio lab. In this way students reinforce their knowledge and skills by guiding and mentoring others on the basis of what they had learned by seeing and doing in previous courses. This course may be taken four times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

212 Vocal Ensemble
1 hour lecture, 3 hours lab, 2 units
Grade Only
Advisory: Music 120 and 268A, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Tryout or Audition. Students must audition to enroll in this class. This course is not open to students with previous credit for Music 212 A, B, C and D. The Vocal Ensemble is an intermediate choral ensemble that focuses on developing music-reading and vocal skills in the preparation and performance of a wide variety of choral works. Enrollment is by audition. Members are expected to have some previous choral, and vocal experience. This course may be taken four times for credit so that students have the opportunity to improve their rehearsal and performance skills by performing new repertoire each semester. Attendance at rehearsals and performances is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

212A Vocal Ensemble I (Men and Women)
1 hour lecture, 4 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Emphasizing vocal ensemble singing, sight-reading and the study of vocal chamber music chosen from the Renaissance period to the present day, and including the popular idiom. Attendance at rehearsals and performances is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

212B Vocal Ensemble II (Men and Women)
1 hour lecture, 4 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Continuation of Music 212A. Emphasizing vocal ensemble singing, sight-reading and the study of vocal chamber music chosen from the Renaissance period to the present day, and including the popular idiom. Attendance at all rehearsals and performances is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

212C Vocal Ensemble III (Men and Women)
1 hour lecture, 4 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Continuation of Music 212B. Emphasizing vocal ensemble singing, sight-reading and the study of vocal chamber music chosen from the Renaissance period to the present day, and including the popular idiom. Attendance at all rehearsals and performances
is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

212D Vocal Ensemble IV (Men and Women)
1 hour lecture, 4 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Continuation of Music 212C. Emphasizing vocal ensemble singing, sight-reading and the study of vocal chamber music chosen from the Renaissance period to the present day, and including the popular idiom. Attendance at all rehearsals and performances is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

213A Jazz Theory for Piano I
4 hours lecture, 4 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 115A and 150A, each with a grade of "C" or better, or equivalent.
This course is an introduction to the theoretical foundations of jazz. Emphasis is placed on a systematic examination of scales, hybrid modes, chord construction, chord notation, and chord/scale relationships and applications. Topics also include melodic and harmonic construction. This course is designed for music majors and anyone interested in jazz theory for the piano. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

213B Jazz Theory For Piano II
4 hours lecture, 4 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 213A with a grade of "C" or better, or equivalent.
This course is an advanced-level study of jazz theory for the piano. Emphasis is placed on providing students with advanced jazz theory and its practical applications to jazz standards as well as American Songbook and contemporary jazz tunes. This course is designed for music majors and students interested in jazz theory. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

214A Concert Choir I (Men and Women)
1 hour lecture, 2 hours lab, 1.5 units
Letter Grade or Pass/No Pass Option
Emphasis on sight-reading skills and the study and performance of a wide range of choral music. Attendance at rehearsals and performances is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

214B Concert Choir II (Men and Women)
1 hour lecture, 2 hours lab, 1.5 units
Letter Grade or Pass/No Pass Option
Continuation of Music 214A. Emphasis on sight-reading skills and the study and performance of a wide range of choral music. Attendance at rehearsals and performances is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

214C Concert Choir III (Men and Women)
1 hour lecture, 2 hours lab, 1.5 units
Letter Grade or Pass/No Pass Option
Continuation of Music 214B. Emphasis on sight-reading skills and the study and performance of a wide range of choral music. Attendance at rehearsals and performances is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

214D Concert Choir IV (Men and Women)
1 hour lecture, 2 hours lab, 1.5 units
Letter Grade or Pass/No Pass Option
Continuation of Music 214C. Emphasis on sight-reading skills and the study and performance of a wide range of choral music. Attendance at rehearsals and performances is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

215A Class Piano III
.5 hours lecture, 1.5 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Prerequisite: Music 115B with a grade of "C" or better, or equivalent.
This course is an intermediate level of study of practical and theoretical keyboard techniques for music majors, credential applicants, and non-music majors with comparable skills. The course focuses on intermediate skill development of repertoire, keyboard technique, sight-reading, transposition, harmonization, creative composition, improvisation, ensemble playing, and modulation techniques. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.
215B Class Piano IV
.5 hours lecture, 1.5 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Prerequisite: Music 215A with a grade of "C" or better, or equivalent.
This course is an advanced level of study of practical and theoretical keyboard techniques for music majors, credential applicants, and non-music majors with comparable skills. The course focuses on advanced skill development of repertoire, keyboard technique, sight-reading, transposition, harmonization, creative composition, improvisation, ensemble playing, and modulation techniques. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

240 Advanced Voice Class I
1.5 hours lecture, 1.5 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 120 with a grade of "C" or better, or equivalent.
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
Limitation on Enrollment: This course is not open to students with previous credit for Music 240 A. Advanced Voice I is an in-depth study of specific elements of efficient vocal technique and performance. These include breath management in relation to vocal onset, resonance and vocal registers, expressive singing and stage presence. Vocal exercises and songs from various music styles are performed including selections made by students. Choral singers, all music majors, elementary education majors and students considering singing as a profession benefit from this class. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

241 Advanced Voice II
1.5 hours lecture, 1.5 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 120 with a grade of "C" or better, or equivalent.
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
Limitation on Enrollment: This course is not open to students with previous credit for Music 240 B. Advanced Voice II is an in-depth study of specific elements of efficient vocal technique and performance. These include the application of flexible breath energy, range extension, coordinating technique and communication, vocal health, and the physical structure of the larynx. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

250A Concert Band
3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Advisory: Music 150A with a grade of "C" or better, or equivalent.
Study and performance of concert and standard band literature as well as other literature to be arranged. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

250B Concert Band
3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Advisory: Music 150A with a grade of "C" or better, or equivalent.
Study and performance of concert and standard band literature as well as other literature to be arranged. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

250C Concert Band
3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Advisory: Music 150A with a grade of "C" or better, or equivalent.
Study and performance of concert and standard band literature as well as other literature to be arranged. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

250D Concert Band
3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Advisory: Music 150A with a grade of "C" or better, or equivalent.
Study and performance of concert and standard band literature as well as other literature to be arranged. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

252 Concert Jazz Band
3-9 hours lab, 1-3 units
Letter Grade or Pass/No Pass Option
Limitation on Enrollment: Audition/Try Out
A selected group of limited membership devoted to the preparation and performance of the best contemporary jazz and stage band literature. Designed to meet the needs of the student desiring to enter the field of professional stage band work, but open to qualified students of any department of the college. The group gives public concerts and supplies music for college functions. Attendance at rehearsals and performances is an integral part of this course. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

253A Ensembles I

3–9 hours lab, 1-3 units
Letter Grade or Pass/No Pass Option
Advisory: Music 150A with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Tryout or Audition.
This course is a study of ensemble music performance at the beginning level. Students are seated in ensemble groups according to their technical ability in preparation for performance. This course may be taken two times with new repertoire, seating and skill advancement. This course is designed for music majors and anyone interested in playing with an ensemble. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

253B Ensembles II

3–9 hours lab, 1-3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 253A with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Tryout or Audition.
This course is a study of ensemble music performance at the intermediate level. Students are seated in ensemble groups according to their technical ability in preparation for performance. This course may be taken two times with new repertoire, seating and skill advancement. This course is designed for music majors and anyone interested in playing with an ensemble. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

253C Ensembles III

3–9 hours lab, 1-3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 253B with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Tryout or Audition.
This course is a study of ensemble music performance at the intermediate-advanced level. Students are seated in ensemble groups according to their technical ability in preparation for performance. This course may be taken two times with new repertoire, seating and skill advancement. This course is designed for music majors and anyone interested in playing with an ensemble. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

253D Ensembles

3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Prerequisite: Music 253C with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Tryout or Audition.
This course is a study of ensemble music performance at the advanced level. Advanced students are assigned to first chair of each section of the ensemble and to lead each part. This course may be taken two times with new repertoire, seating and skill advancement. This course is designed for music majors and anyone interested in playing with an ensemble. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

254 Instrumental Ensemble

3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Advisory: Music 150A with a grade of "C" or better, or equivalent.
A selected group of limited membership devoted to the preparation and performance of the best contemporary jazz and stage band literature. The group is a performance band. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

255 Classical Guitar Ensembles

3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Prerequisite: Music 132B with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Tryout or Audition.
This course provides for the study and performance of selected guitar ensemble works. After an audition, each student is assigned to an ensemble. Students practice and perform in an intermediate-to-advanced guitar ensemble, focusing on developing their skills in reading music, as well as the technical and interpretative skills required in the performance of a wide variety of works from different historical eras.
This course can be taken four times for credit. The course topics will be different with each repetition as the musical repertoire presented and performed differs each time the course is offered. Attendance at classes, rehearsals and performances is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

258A Music Theory III
4 hours lecture, 4 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 158B with a grade of "C" or better, or equivalent.
Advisory: Concurrent enrollment in: Music 269A.
This course is a continuation of 158B. It includes a detailed structural analysis and study of compositional techniques in the music of the 18th and 19th centuries. The emphasis is on further development of writing skills using chromatic harmony including secondary dominants and altered chords; the analysis and writing of two-part tonal counterpoint; the analysis of Sonata-form, Rondo, Theme and Variations. This course is designed for the student pursuing music as a major or for the student interested in enhancing technical knowledge of music. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

258B Music Theory IV
4 hours lecture, 4 units
Letter Grade or Pass/No Pass Option
Prerequisite: Music 258A with a grade of "C" or better, or equivalent.
Advisory: Concurrent enrollment in: Music 269B.
This course is a continuation of 258A. The emphasis is on continued development of skills in sight singing melodies which contain seconds, thirds, fourths, fifths and octaves, melodic dictation containing seconds, thirds, fourths, fifths and octaves, harmonic identification/dictation of primary triads in major keys, rhythmic dictation with duple and triple subdivisions of the beat. This course is designed for the student pursuing music as a major or for the student interested in enhancing technical knowledge and skills. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

268A Beginning Ear Training Laboratory I
3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Prerequisite: Music 150A with a grade of "C" or better, or equivalent.
This course consists of laboratory work in sight singing, melodic dictation, harmonic identification and rhythmic dictation designed to provide students with a "hearing eye" and "seeing ear" that can perceive and identify patterns both large and small in music. The emphasis is on the development of basic skills in sight singing short scale wise melodies containing seconds, thirds, fourths, fifths and octaves, melodic dictation containing seconds, thirds, fourths, fifths and octaves, harmonic identification/dictation of primary triads in major keys, rhythmic dictation with duple and triple subdivisions of the beat. This course is designed for the student pursuing music as a major or for the student interested in enhancing technical knowledge and skills. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

268B Beginning Ear Training Laboratory II
3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Prerequisite: Music 268A with a grade of "C" or better, or equivalent.
This course is a continuation of Music 268A. The emphasis is on continued development of skills in sight singing melodies which contain seconds, thirds, fourths, fifths, sixths, sevenths, octaves and the tritone; melodic dictation containing triadic arpeggiation, harmonic identification of all diatonic triads in major and minor keys; rhythmic dictation with half beat values, quarter beat values and syncopation. This course is designed for the student pursuing music as a major or for the student interested in enhancing technical knowledge and skills. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

269A Advanced Ear Training Laboratory III
3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
Prerequisite: Music 268B with a grade of "C" or better, or equivalent.
This course is a continuation of Music 268B. The emphasis is on further development of skills in sight singing melodies which contain all intervals; melodic dictation which contains modulation; harmonic identification of all diatonic seventh chords and harmonic dictation of chorale phrases which
modulate; rhythmic dictation with quarter and eighth beat values and in compound meters. This course is designed for the student pursuing music as a major or for the student interested in enhancing technical knowledge and skills. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**269B Advanced Ear Training Laboratory IV**

3 hours lab, 1 unit  
**Letter Grade or Pass/No Pass Option**

**Prerequisite:** Music 269A with a grade of “C” or better, or equivalent.

This course is a continuation of Music 269A. The emphasis is on the refinement of skills in sight singing modal melodies and melodies containing larger leaps and nondiatonic tones; dictation of melodies with nondiatonic tones and modal melodies; harmonic identification of secondary dominants and augmented sixth and neapolitan sixth chords; rhythmic dictation with changing meters and super triplets. This course is designed for the student pursuing music as a major or for the student interested in enhancing technical knowledge and skills. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**275A-B-C-D Applied Music**

1 hour lecture, 6 hours lab, 2 units  
**Grade Only**

**Prerequisite:** Music 150A with a grade of “C” or better, or equivalent.  
**Corequisite:** Music 212A or 212B or 212C or 212D or Music 214A or 214B or 214C or 214D or Music 250A or 250B or 250C or 250D or Music 252 or 253 or 254.

This course provides individual instruction in vocal or instrumental music and is designed primarily for music majors. It includes two hours per week of recital instruction. A minimum of 15 lessons per semester, as well as 5 hours of on-campus practice per week must be verified. Regular performance in the weekly lecture-recital class and participation in music department recitals is required. Examination will be by faculty-jury at the end of each semester. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**276A Individual Study**

Hours by Arrangement, 1 unit  
**Letter Grade or Pass/No Pass Option**

**Advisory:** English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.

Continuation of Music 276A; refer to Music 276A for detailed description. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**276B Individual Study**

Hours by Arrangement, 1 unit  
**Letter Grade or Pass/No Pass Option**

**Advisory:** English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.

Continuation of Music 276B; refer to Music 276A for detailed description. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**276C Individual Study**

Hours by Arrangement, 1 unit  
**Letter Grade or Pass/No Pass Option**

**Advisory:** English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.

Continuation of Music 276C; refer to Music 276A for detailed description. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**276D Individual Study**

Hours by Arrangement, 1 unit  
**Letter Grade or Pass/No Pass Option**

**Advisory:** English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.

Continuation of Music 276D; refer to Music 276A for detailed description. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**290 Independent Study**

Hours by Arrangement, 1-3 units  
**Letter Grade or Pass/No Pass Option**

**Advisory:** English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.

**Limitation on Enrollment:** Must obtain an Add Code from instructor for registration.
Course is designed to meet individual needs or interests of students who wish to work on special projects in music. Special projects include all aspects of music and may involve topics which are broad in scope along with those that are narrow in scope. Special projects may include an unlimited number of diversified phases of the music curricula. This course may be taken four times with different content for a maximum of six units. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

### NUTRITION (NUTR)

#### 90 Modified Diets

1 hour lecture, 1 unit

**Grade Only**

**Advisory:** English 48 and English 49 and Mathematics 32, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5, W5 and M20.

**Prerequisite:** Nutrition 150 with a grade of "C" or better, or equivalent.

**Corequisite:** Completion of or concurrent enrollment in: Culinary Arts/Culinary Management 101 and Nutrition 91, each with a grade of "C" or better, or equivalent.

**Limitation on Enrollment:** This course is not open to students with previous credit for Nutrition 180 with a grade of "C" or better.

This course is the study of the concepts of nutrition as they relate to the functioning of nutrients in the human body. Emphasis is placed on nutritional needs throughout the life cycle, food sources of nutrients, and current nutritional issues. Students utilize computer technology to analyze dietary intake and evaluate nutritional status. This course meets the Natural Sciences general education requirement for the associate degree at the San Diego Community College District. It also meets Area E requirement for transfer to California State Universities. (FT) Associate Degree Credit only and not Transferable.

#### 91 Dietetic Supervisor Practicum

150 - hours other, 2 units

**Grade Only**

**Prerequisite:** Nutrition 150 with a grade of "C" or better, or equivalent.

**Corequisite:** Completion of or concurrent enrollment in: Culinary Arts/Culinary Management 101 and Nutrition 90, each with a grade of "C" or better, or equivalent.

**Advisory:** English 48 and English 49 and Mathematics 32, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5, W5 and M20.

**Limitation on Enrollment:** This course is not open to students with previous credit for Nutrition 391.

This course applies previously learned knowledge and skills through supervised dietary services at a healthcare facility. The supervision of the student is shared by the college faculty and the staff of the affiliating institution. This course is for students in the process of obtaining a "Dietetic Service Supervisor Certificate of Performance" which is required and certified by the California State Department of Public Health for long term care food service. (FT) Associate Degree Credit only and not Transferable.

#### 150 Nutrition

3 hours lecture, 3 units

**Grade Only**

**Advisory:** English 48 and English 49 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and M20.

This course examines the scientific concepts of nutrition relating to the functioning of nutrients within the human body. Emphasis is placed on nutritional needs throughout the life cycle, food sources of nutrients, and current nutritional issues. Students utilize computer technology to analyze dietary intake and evaluate nutritional status. This course meets the Natural Sciences general education requirement for the associate degree at the San Diego Community College District. It also meets Area E requirement for transfer to California State Universities. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Nutrition (NUTR) 150 and 155 combined: maximum credit, one course.

#### 153 Cultural Foods

3 hours lecture, 3 units

**Grade Only**

**Advisory:** English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and M20.

This course examines the regional, ethnic, cultural, religious, historical and social influences on food patterns and cuisine, as well as how food is viewed as an expression of cultural diversity. Traditional foods of geographic areas and cultures, geographic factors in...
food availability, global food issues, dietary habits, religious influences and an overview of nutritional problems of ethnic groups are discussed and assessed. Connection is drawn between major historical events and how and why these events affected and defined the culinary traditions of different societies. Also presented are nutrition consequences of ethnic food choices, sanitation and safety practices, and applications of food and nutrition services. This course is for students interested in a career in nutrition, dietary service supervisor certificate, culinary, hospitality management, and those with an interest in ethnic cuisine. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

155 Advanced Nutrition
3 hours lecture, 3 units
Grade Only
Prerequisite: Nutrition 150 with a grade of "C" or better, or equivalent.
Advisory: English 48 and English 49 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5, W5 and M20.
This course is an in-depth study of the functioning of nutrients in the basic life processes from a biochemical and cellular approach. Emphasis is placed on the investigation of certain diets in relation to disease, current legislation relating to nutritional issues, and consumer nutritional practices. This course is intended for Nutrition and Allied Health majors. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Nutrition (NUTR) 150 and 155 combined: maximum credit, one course.

160 Foods for a Healthful Lifestyle
3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5 and M20.
This course emphasizes scientific concepts of nutrition and food relating to health promotion. Health benefits and food sources of nutrients, healthful food preparation and food technologies are discussed. This course is targeted for individuals who are interested in attaining or promoting good health through nutrition. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

170 Nutrition and Fitness
3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5, W5 and M20.
This course is designed for the physically active person interested in the role nutrition plays to increase energy and enhance performance. Nutrient needs before, during, and after exercise are evaluated for their effect on optimal performance. Carbohydrate loading and a variety of supplements are discussed. Underwater weighing to determine body fat composition is available. This course is designed for both the recreational and competitive athlete and may be applied to the major or used as a transfer course. It may also be of interest to those with an interest in health and fitness. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

180 Nutrition and Diet Therapy
3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5, W5 and M20.
This course emphasizes concepts of nutrition relating to the functioning of nutrients within the human body and food sources of these nutrients, with special emphasis on nutritional assessment in specific disease conditions and therapeutic diets relevant to given conditions. An introduction to drug/nutrient interactions is also given. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

270 Work Experience
Hours by Arrangement (One unit of credit is earned for each 75 hours of paid employment or 60 hours of volunteer work.), 1-4 units
Grade Only
A program of on-the-job learning experiences for students employed in a job related to their major or their educational goals. The combined maximum credit for all work experience courses from all disciplines may not exceed 16 units. Associate Degree Credit & transfer to CSU and/or private colleges and universities.
290 Independent Study
Hours by Arrangement, 1-3 units
Grade Only

Limitation on Enrollment: Must obtain an Add Code from instructor for registration.
Designed to deal with current problems and topics of special interest in home economics. This course may be taken four times with different content for a maximum of six units. This course may be taken four times with different content for a maximum of six units. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

Office Information Systems (OFCE)
See Computer Business Technology (CBTE) on page 300.

PERSONAL GROWTH (PERG)

65 Orientation to College
.5 - 1 hour lecture,.5 - 1 unit
Pass/No Pass Only
This course is designed to assist the new student in a successful transition to college. Topics include campus resources and services, time management, and educational planning. Students are also acquainted with Policy 3100, which enumerates the rights and responsibilities of all San Diego Community College District students. (FT) Associate Degree Credit only and not Transferable.

120 College Success and Lifelong Learning
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: Completion of or concurrent enrollment in: English 48 or English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
Limitation on Enrollment: This course is not open to students with credit for Personal Growth 127.
This course teaches success strategies to enhance academic and lifelong learning skills. Students explore topics such as motivation and attitudes, values, goal setting, decision-making processes, critical and creative thinking, personal health topics, interpersonal communication, developmental psychology, and learning and personality theories, as well as other techniques for maximizing their abilities to succeed as lifelong learners. Students apply these topics as they relate to their self-development as integrated physiological and psychological entities and acquire strategies to effectively deal with issues in their personal lives and educational and career plans. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

130 Career-Life Planning
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: Completion of or concurrent enrollment in: English 48 or English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Level R5 or W5.
Limitation on Enrollment: This course is not open to students with credit for Personal Growth 30.
This course is designed to assist students with self-exploration, career transitions and career-life planning in order to achieve success in a diverse society. Critical thinking skills will be utilized through a systematic approach to career development by examining values, interests, skills, life roles, personality type, personal self-management, decision-making and goal setting throughout the life span. The course is designed for new and re-entry students and others who can benefit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

140 Life Skills and Personal Adjustment
1-3 hours lecture, 1 - 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course is designed for students who want to learn and acquire effective ways for developing their emotional, social, educational, and professional life skills. This course is a practical study of the principles and application of strategies that assist in the development of coping and life skills. Topics include self-esteem and compassion, self-discipline, self-responsibility, self-assertion, and living a consciously balanced life in pursuit of defined educational, career, and life goals. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
PHILOSOPHY (PHIL)

100 Logic and Critical Thinking
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course explores the relationship of communications and critical thinking with a focus on good reasoning and the impediments to its mastery. This course emphasizes the development of skills in logical processes including familiarity with the more common fallacies. This course is designed for students learning to apply principles of critical thinking to the practical problems of everyday life. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

101 Symbolic Logic
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 96 with a grade of "C" or better, or equivalent, or Assessment Skill Level M50; and Philosophy 100 with a grade of "C" or better, or equivalent. This course studies the elements of symbolic logic, sentential calculus and quantification theory, identity, definite descriptions, natural deduction and structure of language. This course may be of interest to students pursuing studies in computer science. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

102B Introduction to Philosophy: Values
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course provides an introductory study of the aims, methods, types and problems of philosophy and philosophical inquiry focusing on values and their place in an individual's daily life. Materials for this survey of philosophical activity, orientations and views of philosophers may be drawn from classical and contemporary thinkers. Students are encouraged to articulate, analyze and evaluate their own beliefs/positions in the context of meaningful philosophical inquiry regarding value theory. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

103 Historical Introduction to Philosophy
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course provides an introductory study of the aims, methods, issues and problems associated with philosophy and philosophical activity from an historical perspective. Readings and discussions in the course emphasize a study of the philosophical endeavors of major philosophers in their historical contexts. Materials for this survey of philosophical activity, orientations and view of philosophers may be drawn from classical and contemporary thinkers. Students are encouraged to articulate, analyze and compare their own beliefs/positions with historically significant philosophical theories. This course may be of interest to students pursuing studies in History and Humanities. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.
104A History of Western Philosophy
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course explores the issues and problems associated with philosophy and philosophical activity as they are illustrated in the history of Western philosophy. Studies in this course focus on representative thinkers of the Classical and/or Medieval periods, their cultural milieu, and their attempts to resolve perennial philosophical issues and problems. This course may be of interest to students pursuing studies in History and Humanities. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

104B History of Western Philosophy
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course explores the problems associated with philosophy and philosophical activity as they are illustrated in the history of Western philosophy from the Renaissance period through the 19th Century. Studies in this course focus on representative thinkers of the Renaissance and/or Modern periods, their cultural milieu, and their attempts to resolve perennial philosophical issues and problems. This course may be of interest to students pursuing studies in History and Humanities. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

105 Contemporary Philosophy
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6; or English 105 with a grade of "C" or better, or equivalent. This course explores the issues and problems associated with philosophy in the 20th and 21st centuries. Emphasis is placed on the representative thinkers of the modern and post-modern eras. Students are encouraged to engage in independent research, analysis and formulation. This course is designed for students interested in contemporary society and current events. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

106 Asian Philosophy
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course explores the aims, methods, issues and problems exemplified in Asian philosophy and philosophical activity. Studies in this course survey significant inquiries, orientations and perspectives exemplified in Asian philosophy as well as Asian perspectives on perennial questions relating to the nature of the universe, the status and meaning of mankind, and the qualities characterizing the good life. Students are encouraged to engage in independent research, analysis and formulation. This course may be of special interest to students pursuing Pacific Rim or International Studies. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

107 Reflections on Human Nature
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course explores the issues and problems exemplified in the process of meaningful philosophical activity relating to the topic of human nature. Studies in this course survey representative theories and philosophical reflections relating to the notions of human nature, the individual person, and human characteristics in general. Material for this survey may be drawn from classical and contemporary thinkers, scientific and religious orientations. Students are encouraged to engage in independent research, analysis and formulation. This course may interest students pursuing studies in behavioral and/or social sciences. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

108 Perspectives on Human Nature and Society
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course explores the topics of human nature and human societal configurations. Material for study may be selected from classical and contemporary thinkers. Studies in this course survey representative theories
and philosophical reflections that explore the relation between theories regarding human nature and the nature of society, the state, and government with an emphasis on experiential elements of meaningful human existence and notions of ideal society. This course may be of particular interest to students pursuing studies in behavioral, social or political science. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

109 Issues in Social Philosophy
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course explores the aims, methods, and problems exemplified in philosophical endeavors in social philosophy. Studies in this course survey representative theories and perspectives on issues of interest in social philosophy such as types of government, the issues of sovereignty, natural law and natural rights, the philosophy of law, issues of justice, and problems in social ethics. This course may be of special interest to students pursuing studies in pre-law and/or political, behavioral or social sciences. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

110 Philosophy of Religion
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course explores the issues and problems associated with philosophy and philosophical activity concerning various facets of religious phenomena and religious orientations/beliefs. This course investigates and analyzes philosophical arguments relating to basic religious beliefs and experiences such as the conceptions of God and/or divinity in the monotheistic traditions and non-Western religions. This course may be of interest to students pursuing religious and cultural studies. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

111 Philosophy in Literature
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course is designed to provide an introduction to the aims, methods, issues and problems associated with philosophy and philosophical activity in literature which portrays or dramatizes perennial philosophical questions, issues and themes relating to such topics as the nature of reality, the notion of the self, the issue of choice and determinism, the problem of good and evil, and characteristics of the good life. This offering may be of interest to students pursuing studies in literature or in the behavioral and/or social sciences. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

112 Philosophy of Science
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 or English 105, with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6. This is an introductory, general education course exploring the presuppositions, concepts, principles, criteria and methodology of science and scientific investigation. This course is intended for students seeking a basic understanding of the nature of science and its philosophical underpinnings. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

125 Philosophy of Women
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This general education course is of interest to students wishing to explore the philosophical study of questions relating to women. It provides an introductory study of concepts of womanhood and feminism as they have found expression in mythic, classic, medieval and major modern philosophical traditions. Images, roles, and beliefs about women are explored with respect to their historical and global impact and philosophical relevance. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.
126 Introduction to Philosophy of Contemporary Gender Issues

3 hours lecture, 3 units

Letter Grade or Pass/No Pass Option

Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Level W6 and R6.

This lower division course provides an introduction to the concepts of gender and gender relations for the student interested in the development of contemporary gender issues as they relate to philosophy. The images, roles, and beliefs about gender and gender relations as they vary across cultures will be explored with respect to their impact in our everyday lives and the larger societies within which we live. This course may be of special interest to students going into gender studies and women's studies. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

130 Philosophy of Art and Music

3 hours lecture, 3 units

Letter Grade or Pass/No Pass Option

Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6; or English 105 with a grade of "C" or better, or equivalent.

This course employs philosophical methods to explore the concepts, principles, and criteria used in the creation and evaluation of art and music. In addition to students interested in philosophy, this course is designed for any student seeking to gain a better understanding of why we appreciate art and music and how we develop standards for evaluating them. A variety of arts may be discussed including painting, sculpture, architecture, design, music, dance, theatre, and literature. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

205 Critical Thinking and Writing in Philosophy

3 hours lecture, 3 units

Letter Grade or Pass/No Pass Option

Prerequisite: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent.

This critical thinking and writing seminar in Philosophy is designed to enhance the student's critical thinking, writing, and research skills in preparation for upper division academic activity. Issues addressed in this class may involve various areas of human experience and aspiration: metaphysical, cosmological, scientific, political, ethical, aesthetic, and religious. Together with the application of basic principles of deduction and induction, special attention is given to identifying and avoiding fallacies in reasoning and to techniques and aids to research, reasoning, and writing. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

PHYSICAL EDUCATION (PHYE)

Physical Education classes are offered at the beginning, intermediate and advanced level Physical Education Classes/Intercollegiate Sports - Disclaimer

Participation in all sports and physical education activities involves certain inherent risks. Risks may include, but are not limited to, neck and spinal injuries that may result in paralysis or brain injury, injury to bones, joints, ligaments, muscles, tendons and other aspects of the muscular skeleton system; and serious injury, or impairment, to other aspects of the body and general health, including death. The San Diego Community College District, its officers, agents and employees are not responsible for the inherent risks associated with participation in physical education classes/intercollegiate sports.

Students are strongly advised to consult a physician prior to participating in any physical education activity.

Aquatic Activities

A program which offers the student a choice from a variety of courses. Instruction and conditioning in all aspects of aquatics to provide a carry-over value for leisure life.

106 Aquatic Fitness

2-3 hours lab,.5 - 1 unit

Letter Grade or Pass/No Pass Option

This course covers instruction and conditioning in the four competitive swimming strokes through interval training stressing cardiovascular respiratory fitness in aquatic activities. The swimming program is set up to attain desired levels of cardiovascular efficiency. This
course may be taken four times for credit. (FT)  
Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

**119 Springboard Diving**  
**2 - 3 hours lab,.5 - 1 unit**  
**Letter Grade or Pass/No Pass Option**  
This course is designed as an introduction to springboard diving with. Progressive skill development in performing dives from five different categories. This course includes novice, beginning, intermediate and advanced levels. Standardized skill progressions are used for the forward, backward, inward, reverse and twisting dives. The concepts covered include springboard diving techniques and water safety. This course may be taken four times for credit. (FT)  
Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

**139 Lifeguard Training - Advanced Swimming**  
**2.5 hours lecture, 1.5 hours lab, 3 units**  
**Letter Grade or Pass/No Pass Option**  
This course gives the most current instruction in the American Red Cross Lifeguard Training techniques and first aid and CPR skills required to gain eligibility for a lifeguarding position. Upon successful completion, a student will earn certifications in both American Red Cross Lifeguard Training and CPR for the Professional Rescuer. This course may be repeated as necessary to meet a legally mandated training requirement as a condition of continued or volunteer employment. Adequate swimming skills are necessary. (FT)  
Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**Dance**  
A program which offers the student instruction in a variety of dance forms. Classes range from the beginning level through the performance level.

**103 Aerobic Dance**  
**2 - 3 hours lab,.5 - 1 unit**  
**Letter Grade or Pass/No Pass Option**  
Aerobic Dance is a rigorous exercise course designed to increase both the fitness level of participating students and their understanding of what constitutes a safe and effective exercise program. Instruction includes a balanced exercise program of aerobics, toning, stretching, and relaxation along with discussion of related health topics. This course may be taken four times for credit. (FT)  
Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

**163 Water Polo**  
**2 - 3 hours lab,.5 - 1 unit**  
**Letter Grade or Pass/No Pass Option**  
This course is designed to emphasize the fundamental skill development related to the aquatic sport of water polo. Progressive skill development includes picking up a ball in the water, passing, receiving, shooting, dribbling, and playing in a game. Discussion includes proper offensive and defensive positioning, team strategies, and rules of play. This course may be taken four times for credit. (FT)  
Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

**164 Water Safety Instructor**  
**2.5 hours lecture, 1.5 hours lab, 3 units**  
**Letter Grade or Pass/No Pass Option**  
This course gives the most current instruction in the American Red Cross (ARC) Water Safety Instructor (WSI) course. Upon successful completion, students earn WSI certification, which enables them to teach the Learn to Swim programs of the American Red Cross. This course may be repeated as necessary to meet a legally mandated training requirement as a condition of continued or volunteer employment. Adequate swimming skills are necessary. (FT)  
Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations.

**Additional Dance Classes**  
(See Dance)
Individual Activities

A basic program which offers the student a choice of vigorous, competitive activity in individual sports and activities designed to provide carry-over value for leisure life. Instruction is in fundamental skills knowledge of rules and strategy, with emphasis on physical fitness.

108 Badminton
2-3 hours lab,.5 - 1 units
Letter Grade or Pass/No Pass Option
This course provides instruction and on-court experience in the skills, strategies, rules and behaviors necessary to play badminton at the beginning, intermediate or advanced level and is intended for novices and students currently playing at any of these levels. This course may be taken four times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition. When this course is offered for three hours per week, the additional time is utilized for stroke development drills and application of strategies in playing situations. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

115 Bowling
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course is designed to develop skills necessary to improve student performance of the fundamentals of the stance, point of origin, approach, back swing, release and follow through, rules, scoring and etiquette in the game of bowling. Progressive instruction emphasizes individual skill development, spot bowling and participation in a league bowling situation. This course may be taken four times for credit. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

120 Fencing
2 - 3 hours lab,.5 - 1 unit
Grade Only
Basic techniques of fencing with French foil are taught. Techniques such as on guard, advance, retreat, attack and parries (simple and compound), and basic rules are covered. Simple and compound attacks, secondary attacks, counter attacks, circular parries and boutting are stressed in intermediate and advanced classes. Judging and directing of bouts are taught and implemented in the form of tournament matches. Fencing etiquette and proper technique are stressed. Students who are looking for a lifetime sport, rich in tradition and gamesmanship find this course intriguing and challenging, both mentally and physically. This course may be taken four times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition. When this course is offered for three hours per week, the additional time is utilized for the practice of advanced skills and techniques. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

123 Fitness Activities
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course includes instruction in the skills necessary to improve aerobic fitness and cardiovascular health. Through fitness topics covered, students will develop an individual fitness program. Aerobic exercise focuses primarily on jogging, progressing to running for the development of comprehensive fitness. This course may be taken four times for credit. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

126 Golf
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course provides golf instruction and practice in the fundamentals of grip, stance, alignment, backswing, and downswing. Topics also include stretching and principles of warm-up, golf club selection and use, player guidelines, scoring, game etiquette, and safety procedures. The course emphasizes the “one basic golf swing” theory and includes extensive practice and play at local courses. This course may be taken four times for credit. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

132 Individual Conditioning
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course provides individually programmed instruction in the fundamental skills and techniques of weight training and aerobic activity. The positive impact of physical education on health and wellness is explored and emphasized. Through progressive
inquiry and practice, students demonstrate more advanced levels of weight training and comprehensive aerobic development. This course is of particular interest to students wishing to enter the fields of sports medicine and athletics, as well as to students seeking to improve overall fitness. Students must demonstrate increased proficiency and skill attainment with each repetition. This course may be taken four times for credit. When this course is offered for three hours per week, the additional time is utilized for the practice of weight training skills. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

142 Racquetball
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
Instruction and practice in the fundamental skills of grip, strokes, footwork, court coverage and rules of play. Singles and doubles strategy, offensive and defensive positioning and tournament play will be progressively incorporated at the intermediate and advanced levels. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

154 Fitness Walking
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course covers the skills necessary to improve aerobic fitness and cardiovascular health through walking, with comprehensive instruction in fitness principles and walking techniques. Topics include general fitness information, stretching and principles of warm-up, walking techniques, principles of conditioning, training zones, and cool-down periods. This course may be taken four times for credit. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

159 Tennis
2 - 3 hours lab,.5 - 1 unit
Grade Only
This course provides instruction and on-court experience in the skills, strategies, rules and behaviors necessary to play tennis at the beginning, intermediate or advanced recreational level and is intended for novices and students currently playing at any of these levels. This course may be taken four times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition. When this course is offered for three hours per week, the additional time is utilized for stroke development drills and application of strategies in playing situations. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

160 Track and Field
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course emphasizes progressive instruction and practice of basic fundamentals through advanced track and field skills. Target audience includes students who are interested in Intercollegiate Track and Field. The topics covered include sprinting, hurdling, jumping, and throwing techniques/skills, rules, and basic officiating. This course may be taken four times for credit. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

166 Weight Training
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course is an introduction to progressive resistance training. It is designed for the student interested in developing strength, muscle endurance, and muscle tone. Instruction includes learning proper methods of weight training, various types of weight training programs, and safety factors. This course may be taken four times for credit. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

168 Yoga
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course is an introduction to basic yoga practices and principles. Instruction includes yoga postures, guided relaxations, and breathing practices. The benefits of yoga include increased flexibility, strength, balance, and body awareness as well as stress reduction. This course is designed for students interested in health and longevity. This course may be taken four times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition. When this course is offered for three hours per week, the additional time is utilized for the practice of postures. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.
171 Men’s Gymnastics
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course is designed to have the student demonstrate skills in gymnastics. Standardized progression of skills instruction is used in tumbling or floor exercise, parallel bars, horizontal bars, vaulting, still rings and pommel horse. The concepts covered include safety and injury prevention, balance and body alignment as they relate to the events taught, and preparing for gymnastics through movement/skill combinations in gymnastics routines. This course may be taken four times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

172 Women’s Gymnastics
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course is designed to have the student demonstrate skills in gymnastics. Standardized progression of skills instruction is used in tumbling or floor exercise, uneven parallel bars, balance beam and vaulting. The concepts covered include safety and injury prevention, balance and body alignment as it relates to the events taught, and preparing for gymnastics through movement/skill combinations in gymnastics routines. This course may be taken four times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

190 Cheerleading
3 - 6 hours lab, 1 - 2 units
Letter Grade or Pass/No Pass Option
Limitation on Enrollment: Tryout or Audition.
This course provides instruction in cheerleading skills and routines. Proper body alignment, technique, safety, performance and cooperative work with others in the class is emphasized. Students demonstrate increased development of strength, flexibility, and endurance through physical training and practice of cheerleading skills and routines. Students utilize skills learned through the performance of routines at selected intercollegiate athletic contests at Mesa College. This course may be taken four times for credit. Students must demonstrate increased proficiency and skill attainment with each repetition. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

191 Theory and Application of Conditioning - Advanced Basketball
2-3 hours lab,.5-1 unit
Letter Grade or Pass/No Pass Option
Advisory: Completion of or concurrent enrollment in: Physical Education 204 or 205, with a grade of "C" or better, or equivalent.
This course will enhance the physical and mental skills needed to participate in competitive sports activities. Emphasis is placed on weight training, running, skill development games, and individual development for basketball. When this course is offered for three hours a week the additional time is utilized in the practice and perfection of basketball skills. Additionally, all students must demonstrate increased proficiency and skill attainment with each course repetition. This course is designed for those students that wish to participate in intercollegiate basketball. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

233 Kickboxing
2-3 hours lab,.5 - 1 unit
Grade Only
This course is designed for students to learn kickboxing. This course includes solo training, partner training, equipment training, and controlled sparring as practiced by the Kali/Jeet Kune Do family, including JKD kickboxing, the arts of Muay Thai training, Savate, and Panantukan styles of kickboxing. Emphasis is placed on practice in the fundamentals of kickboxing, including kickboxing safety skills and etiquette. Kick/strike analysis, balance, flexibility, conditioning, muscular strengths and endurance are stressed in the progression of the class. This course meets the SDCCD graduation requirements. This course may be taken four times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

Team Sports

111 Baseball
2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
Instruction to develop the fundamental skills of throwing, catching, running, hitting, rules of play and strategy. Intermediate and advanced levels emphasize both individual and team skill development and strategies involved in competitive game situations. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.
112 Basketball

2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course offers basic instruction in the fundamental
skills of basketball and team offense and defense.
Instruction includes terminology, rules and strategy of
the game. This course may be taken four times for
credit. Associate Degree Credit & transfer to CSU and/or
private colleges and universities. UC Transfer
Limitations. See a Counselor.

125 Football

2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
Football explores the skills and techniques for team
play including blocking, tackling, passing catching,
running, and offensive and defensive positioning.
Football emphasizes individual and team skills as well
as strategies involved in game situations. (FT)
Associate Degree Credit & transfer to CSU and/or
private colleges and universities. UC Transfer
Limitations. See a Counselor.

141 Over-the-Line

3 hours lab, 1 unit
Letter Grade or Pass/No Pass Option
This course provides instruction in the skills of over-
the-line including pitching, catching, and proper
styles of batting. Rules of play, strategy, and game
situations are introduced through various types of
tournaments and contests This course may be taken
four times for credit. Associate Degree Credit &
transfer to CSU and/or private colleges and
universities. UC Transfer Limitations. See a Counselor.

149 Soccer

2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course emphasizes progressive instruction and
practice of basic fundamentals through advanced
soccer skills. The topics covered include soccer
techniques and skills, offensive and defensive
strategies, rules, and officiating. This course may be
taken four times for credit. (FT) Associate Degree Credit &
transfer to CSU and/or private colleges and
universities. UC Transfer Limitations. See a Counselor.

151 Softball

2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course provides instruction in the fundamental
skills of throwing, catching, running, hitting, and rules
of play of softball as well as individual and team skill
development and strategies involved in competitive
game situations. This course may be taken four times
for credit. (FT) Associate Degree Credit & transfer to
CSU and/or private colleges and universities. UC
Transfer Limitations. See a Counselor.

161 Volleyball

2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
This course provides instruction and on-court
experience in the skills, strategies, rules and behaviors
necessary to play volleyball at the recreation level.
This course may be taken four times for credit. Associate
Degree Credit & transfer to CSU and/or private
colleges and universities. UC Transfer Limitations. See a Counselor.

Adapted Physical Education

181A Adapted Swimming

2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
Limitation on Enrollment: A physician's medical release
form is required. This course is not open to students
with credit for Physical Education 181, 181C, or 181D.
This course is designed for students with disabilities to
learn how to swim through modified swimming
strokes based on their abilities. Emphasis is placed on
practice in the fundamental swimming strokes,
including water safety skills. Stroke analysis,
conditioning and endurance is stressed in the
progression of the class. This course meets the SDCCD
graduation requirements. This course may be taken
four times for credit. Associate Degree Credit &
transfer to CSU and/or private colleges and
universities. UC Transfer Limitations. See a Counselor.

182 Adapted Weight Training

2 - 3 hours lab,.5 - 1 unit
Letter Grade or Pass/No Pass Option
Limitation on Enrollment: A physician's medical release
form is required.
This course is designed for students with disabilities as
an introduction to progressive resistance training.
Emphasis is placed on developing cardiorespiratory
and muscle endurance, muscle strength and flexibility
and a healthy body composition through
individualized safe and beneficial exercise
programming. The course includes exercises that
focus on relaxation, joint mobility, body maintenance,
and activities for daily living. This course may be taken
four times for credit. Associate Degree Credit &
transfer to CSU and/or private colleges and
universities. UC Transfer Limitations. See a Counselor.
184 Adapted Physical Fitness  
2 - 3 hours lab, .5 - 1 unit  
Letter Grade or Pass/No Pass Option  
Limitation on enrollment: A physician’s medical release form is required.  
This course is designed for students with disabilities to provide opportunities for exercise and activities to improve cardiorespiratory endurance, flexibility, muscular endurance, strength, stress management and coordination. Activities can include walking, dance, rhythm activities, wheelchair pushing, jogging, relaxation training and exercises for joint mobility. This course may be repeated three times. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

Intercollegiate Athletics

200 Intercollegiate Badminton I  
10 hours lab, 2 units  
Grade Only  
Advisory: Physical Education 108 with a grade of "C" or better, or equivalent, or previous competitive badminton experience.  
This is a course for students competing in their first intercollegiate badminton season. The course is offered in the spring semester and may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

201 Intercollegiate Badminton II  
10 hours lab, 2 units  
Grade Only  
Advisory: Physical Education 200 with a grade of "C" or better, or equivalent.  
This is a course for students competing in their second intercollegiate badminton season. The course is offered in the spring semester and may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

202 Intercollegiate Baseball I  
Spring, 10 hours lab, 2 units  
Letter Grade or Pass/No Pass Option  
Intercollegiate varsity baseball competition. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

203 Intercollegiate Baseball II  
Spring, 10 hours lab, 2 units  
Letter Grade or Pass/No Pass Option  
Intercollegiate varsity baseball. Second season of competition. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

204 Intercollegiate Basketball I  
Fall/Spring  
5 - 7.5 hours lab, 1 - 1.5 units  
10 hours lab, 2 units  
Letter Grade or Pass/No Pass Option  
This course is intended for the first season of intercollegiate competition. Basketball skills and game strategies are at a more advanced level of participation than those of the Basketball 112 class. This course may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

205 Intercollegiate Basketball II  
5-10 hours lab, 1-2 units  
Letter Grade or Pass/No Pass Option  
This course is intended for the second season of intercollegiate competition. Basketball skills and game strategies are at the advanced levels of participation. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

206 Intercollegiate Cross-Country I  
Fall, 10 hours lab, 2 units  
Letter Grade or Pass/No Pass Option  
Intercollegiate varsity cross-country competition. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

207 Intercollegiate Cross-Country II  
Fall, 10 hours lab, 2 units  
Letter Grade or Pass/No Pass Option  
Intercollegiate varsity cross-country competition. Second season of competition. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.
210 Intercollegiate Football I
Fall, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Advisory: Concurrent enrollment in: Physical Education 250A is recommended. This course is designed for students in their first season of intercollegiate football. Topics include fundamental skills of play for offense/defense and special teams. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

211 Intercollegiate Football II
Fall, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Advisory: Concurrent enrollment in: Physical Education 250B is recommended. This course is designed for students in their first season of intercollegiate football. Topics include fundamental skills of play for offense/defense and special teams. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

214 Intercollegiate Soccer I
Fall, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Advisory: Physical Education 149 with a grade of “C” or better, or equivalent, or previous competitive soccer experience. This is the first course of intercollegiate soccer competition. This course is offered separately for men and women. This course may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

215 Intercollegiate Soccer II
Fall, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Advisory: Physical Education 149 with a grade of “C” or better, or equivalent, or previous competitive soccer experience; and concurrent enrollment in Physical Education 257B is highly recommended. This is the second course of intercollegiate soccer competition. This course is offered separately for men and women in the fall semester. This course may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

216 Intercollegiate Softball I
Spring, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
This is a course in which students competing in their first intercollegiate softball season learn and practice the techniques and strategies necessary for successful participation. Those topics covered are fundamental through advanced softball skills and offensive and defensive strategies. This course is offered in the spring semester and may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

217 Intercollegiate Softball II
Spring, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
This is a course in which students competing in their second intercollegiate softball competition learn and practice the techniques and strategies necessary for successful participation. Those topics covered are fundamental through advanced softball skills and offensive and defensive strategies. This course is offered in the spring semester and may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

218 Intercollegiate Swimming I
Spring, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
This course is designed for students to compete in men’s and women’s intercollegiate varsity swimming and diving competition. This course may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

219 Intercollegiate Swimming II
Spring, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
This course is designed for students to compete in a second semester of men’s and women’s intercollegiate swimming and diving competition. This course may be taken two times for credit. (FT)
220 Intercollegiate Tennis I
Spring, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
This is a course for students competing in their first intercollegiate tennis season. This course is offered in the spring semester for men and women and may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

221 Intercollegiate Tennis II
Spring, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
This is a course for students competing in their second semester of intercollegiate tennis season. This course is offered in the spring semester for men and women and may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

222 Intercollegiate Track and Field I
Spring, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Intercollegiate varsity track and field competition. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

223 Intercollegiate Track and Field II
Spring, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Intercollegiate varsity track and field competition. Second season of competition. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

224 Intercollegiate Volleyball I
Fall (Women), Spring (Men), 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Advisory: Physical Education 161 with a grade of “C” or better, or equivalent, or previous competitive volleyball experience.
This is the first course in intercollegiate volleyball competition. This course is offered in the fall semester for women and the spring semester for men and may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

225 Intercollegiate Volleyball II
Fall (Women), Spring (Men), 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Advisory: Physical Education 224 with a grade of “C” or better, or equivalent; and concurrent enrollment in Physical Education 255A is highly recommended.
This is the second course in intercollegiate volleyball competition. This course is offered in the fall semester for women and the spring semester for men and may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

226 Intercollegiate Water Polo I
Fall, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
This course is designed for men and women to compete in Intercollegiate water polo competition. This course may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

227 Intercollegiate Water Polo II
Fall, 10 hours lab, 2 units
Letter Grade or Pass/No Pass Option
This course is designed for men and women to participate in intercollegiate varsity water polo competition. This course may be taken two times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

Fitness Specialist Certificate Courses

280 Applied Exercise Physiology
2 hours lecture, 2 units
Grade Only
Advisory: Mathematics 46 with a grade of “C” or better, or equivalent, or Assessment Skill Level M40.
This course is designed for the student in the Fitness Specialist Certificate Program to study how the body functions under conditions of exercise stress and how fitness behaviors affect health and wellness. Emphasis is placed on muscular, cardiorespiratory, and other physiological processes that occur as a result of exercise conditioning, and the effect of disease. (FT) Associate Degree Credit only and not Transferable.
281 Applied Kinesiology  
2 hours lecture, 2 units  
Grade only

This course is designed for the student in the Fitness Specialist Certificate Program to study movement as it relates to exercise under both normal and injury conditions. Students learn the practical implications of bones, joints, nerves, and muscle actions. Emphasis is placed on applying body alignment, range of motion, stabilization, and acceleration principles to the development of exercise programs. (FT) Associate Degree Credit only and not Transferable.

282 Techniques of Weight Training  
2 hours lecture, 2 units  
Grade Only

This course, part of the Fitness Specialist Certification Program, is designed to provide a thorough review for those intending to teach weight training. The course studies anatomy and physiology, training sequences, available equipment, and safety factors, including contraindications. (FT) Associate Degree Credit only and not Transferable.

283 Exercise and Fitness Assessment  
1.75 hour lecture,.75 hour lab, 2 units  
Grade Only

This course is designed for the student in the Fitness Specialist Certificate Program to learn how to assess cardiorespiratory endurance, muscular strength and endurance, flexibility, body fat, pulmonary function, and blood pressure and evaluate the results. Emphasis is placed on determining the appropriate test, conducting the test, evaluating the results, and creating an exercise program. (FT) Associate Degree Credit only and not Transferable.

284 Fitness and Sports Nutrition  
2 hours lecture, 2 units  
Grade Only

Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course is part of the Fitness Specialist Certification Program. Students will study the basic principles of nutrition and the ramifications of nutrition on sports activities. (FT) Associate Degree Credit only and not Transferable.

285 Exercise for Special Populations  
2 hours lecture, 2 units  
Grade Only

This course is designed for the student in the Fitness Specialist Certificate to study the exercise implications for special populations related to age, medical condition and level of fitness. Emphasis is placed on cardiac conditions, diabetes, physical disabilities, HIV and AIDS, asthma, sensory impairments, seniors, children, athletes, mentally impaired and pregnant and post partum women and the issues and barriers to exercise. (FT) Associate Degree Credit only and not Transferable.

286 Techniques of Exercise Leadership  
1.75 hours lecture,.75 hour lab, 2 units  
Grade Only

This course is designed for the student in the Fitness Specialist Certificate Program to study the principles and techniques involved in teaching group exercise and developing a personal trainer/client relationship. Emphasis is placed on client assessment, communication skills, program design, exercise adherence, teaching strategies, and professional responsibility and liability. (FT) Associate Degree Credit only and not Transferable.

287 Fitness Specialist Internship  
1 hour lecture, 6 hours lab, 2 units  
Grade Only

Prerequisite: Physical Education 280, 281, and 283, each with a grade of “C” or better, or equivalent.

This course is designed to provide students in the Fitness Specialist Certificate Program with practical experience in the field of exercise and fitness. Emphasis is placed on participant screening, evaluation, and exercise program design, self marketing, fitness specialist/client relationships and professional responsibility in a fitness setting. (FT) Associate Degree Credit only and not Transferable.

Physical Education Theory Classes

240 Physical Education in the Elementary Schools  
3 hours lecture, 1 hour lab, 3 units  
Letter Grade or Pass/No Pass Option

Advisory: Completion of or concurrent enrollment in: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course includes a brief study of the growth, development and characteristics of the elementary school child. The elements of written lesson plans,
units, evaluations and various forms of testing are covered. The teaching of fundamental skills, rhythms, dance and games based on sound physiological principles for this age group is emphasized. The positive impact of physical education on health and wellness in addition to academic achievement is explored. Actual teaching situations are experienced in the lab sessions. This course is designed to fulfill lower division preparation for the major for students interested in elementary education. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**241 Introduction to Exercise Science/Physical Education**

*2 hours lecture, 2 units*

**Grade Only**

*Advisory:* English 48 and English 49 with grades of "C" or better, or equivalent, or Assessment Skill Levels R5, W5.

This course is the introductory course for students majoring in Physical Education and is required for the Associate in Arts degree in Physical Education. It provides the student an opportunity to study the history, basic philosophy, basic principles, and professional career options of exercise science. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**242 Care and Prevention of Injuries**

*Fall, Spring, 2 hours lecture, 1 hour lab, 2 units*

**Letter Grade or Pass/No Pass Option**

*Advisory:* English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

Prevention and care of common athletic injuries is discussed. This course covers the theory and practice of emergency field care and basic athletic first aid. Bandaging and/or taping techniques are included. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**250A Professional Activities/Football I**

*Fall, 1.5 hours lecture, 1.5 hours lab, 2 units*

**Letter Grade or Pass/No Pass Option**

*Advisory:* Concurrent enrollment in: Physical Education 210 is recommended.

This course is designed for students competing in their first intercollegiate football season. Emphasis is on theoretical concepts necessary for successful participation. Topics include analysis of fundamentals used on offense/defense, special teams and also strategies, rules, and officiating. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

**250B Professional Activities/Football II**

*Fall, 1.5 hours lecture, 1.5 hours lab, 2 units*

**Letter Grade or Pass/No Pass Option**

This is a lecture/lab course with emphasis on advanced skills, strategy, tactics, rules officiating, and organizational procedures in football. Concepts for social skills and team building techniques required for success at the intercollegiate level are also emphasized. This course is valuable to student athletes enrolled in PHYE 211, Intercollegiate Football II. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

**251A Professional Activities/Basketball I**

*Fall, 1.5 hours lecture, 1.5 hours lab, 2 units*

**Letter Grade or Pass/No Pass Option**

This lecture/lab course includes discussion of rules, game strategies, history, and game preparation. The physiological requirements for the intercollegiate athlete and importance of nutritional components for optimal performance are emphasized. This course benefits students who are enrolled in PHYE 204, Intercollegiate Basketball I. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

**251B Professional Activities/Basketball II**

*Fall, 1.5 hours lecture, 1.5 hours lab, 2 units*

**Letter Grade or Pass/No Pass Option**

This lecture/lab course includes activities and discussion of advanced team strategies, efficient basketball conditioning techniques, goals for game preparation and leadership qualities for basketball. Concepts for team building and social skills necessary for success at the intercollegiate level are also emphasized. This course benefits students who are enrolled in PHYE 205, Intercollegiate Basketball II. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

**252A Professional Activities/Baseball I**

*Spring, 1.5 hours lecture, 1.5 hours lab, 2 units*

**Letter Grade or Pass/No Pass Option**

Competency development with emphasis on skills, strategy, tactics, rules, officiating, facilities film review, and organizational procedures as it relates to school or
college baseball. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

252B Professional Activities/Baseball II
Spring, 1.5 hours lecture, 1.5 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Sophomore athletic eligibility status required.
A continuation of Physical Education 252A with emphasis on advanced skills, strategy, tactics, rules officiating, and organizational procedures in baseball. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

253A Professional Activities/Softball I
1.5 hours lecture, 1.5 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Corequisite: Physical Education 216.
This is a course which explores a variety of softball strategies and tactics focusing on the development of offensive and defensive strategies, rules, officiating, video review, and mechanical analysis of fundamentals through intermediate softball skills. The course is open to those interested in participating in the sport of softball at an intermediate level. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

253B Professional Activities/Softball II
1.5 hours lecture, 1.5 hours lab, 2 units
Grade Only
Corequisite: Physical Education 217.
This course develops both mental and physical competency with emphasis on advanced skill, tactics, rules, both offensive and defensive strategies, officiating, facilities, video review, organizational procedures and physiological aspects of the game as they relate to college softball. The course is open to students interested in the sport of softball at the advanced level. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

254A Professional Activities/Track and Field I
Spring, 1.5 hours lecture, 1.5 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Advisory: Concurrent enrollment in: Physical Education 224 or Physical Education 225.
This course is a lecture/lab class pertaining to management of a track and field program. Track and field management consists of development, competition scheduling, site preparation, and teaching track and field. This course benefits students who are enrolled in a second intercollegiate track and field season. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

254B Professional Activities/Track and Field II
1.5 hours lecture, 1.5 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Advisory: Concurrent enrollment in: Physical Education 224 or Physical Education 225.
This is a lecture/lab class for competency development with emphasis on skills, tactics, officiating, facilities, video review and organizational procedures for administrating a college track and field meet. This course will benefit students who are competing in a first intercollegiate track and field season. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

255A Professional Activities/Volleyball I
Fall (Women), Spring (Men),
1.5 hours lecture, 1.5 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Advisory: Concurrent enrollment in: Physical Education 224 or Physical Education 225.
This is a course in which students competing in their first intercollegiate volleyball season learn the theoretical concepts necessary for successful participation. Topics covered include mechanical analysis of fundamental through advanced volleyball skills, offensive/defensive strategies, statistics, rules and officiating. The course is offered in the fall semester for women and the spring semester for men. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

255B Professional Activities/Volleyball II
Fall (Women), Spring (Men),
1.5 hours lecture, 1.5 hours lab, 2 units
Letter Grade or Pass/No Pass Option
Advisory: Physical Education 255A with a grade of “C” or better, or equivalent; and concurrent enrollment in Physical Education 224 or Physical Education 225.
This is a course in which students competing in their second intercollegiate volleyball season learn the theoretical concepts necessary for successful participation. Topics covered include officiating, statistics, concepts for team building, goals for game preparation, leadership and social skills for success at the intercollegiate level. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.
257A Professional Activities/Soccer I  
**Fall, 1.5 hours lecture, 1.5 hours lab, 2 units**  
**Grade Only**

This course covers the theoretical concepts necessary for students to compete successfully in their first intercollegiate soccer season. Topics covered include mechanical analysis of fundamental through advanced soccer skills, offensive and defensive strategies, statistics, rules, and officiating. This course is offered separately for men and women. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

257B Professional Activities/Soccer II  
**Fall, 1.5 hours lecture, 1.5 hours lab, 2 units**  
**Grade Only**

This is a lecture/lab course including activities and discussion of advanced team strategies, efficient conditioning techniques, goals for game preparation, and leadership qualities. Concepts for team building and social skills necessary for success at the intercollegiate level are emphasized. This course is offered separately for men and women in the fall semester. This course benefits students who are enrolled in PHYE 215, Intercollegiate Soccer II. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

258A Professional Activities/Cross Country I  
**1.5 hours lecture, 1.5 hours lab, 2 units**  
**Grade Only**

This course introduces students to the development of skills for cross country running as well as biomechanics, exercise physiology, workout design, scouting, and procedures for administrating a college cross country meet. The course is designed for students who are participating in this sport and for those who may be interested in coaching cross country teams. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

258B Professional Activities/Cross Country II  
**1.5 hours lecture, 1.5 hours lab, 2 units**  
**Grade Only**

**Prerequisite:** Physical Education 258A with a grade of "C" or better, or equivalent.  

This course covers the development of advanced skills in cross country running, including techniques of biomechanics, exercise physiology, workout design, and scouting. The course also focuses on procedures for administering college cross country meets and coaching techniques. The course is designed for second-year students who are participating in this sport and for those who are interested in coaching cross-country teams. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations. See a Counselor.

**This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.**

**PHYSICAL SCIENCE (PHYN)**

100 Survey of Physical Science  
**3 hours lecture, 3 units**  
**Letter Grade or Pass/No Pass Option**

**Advisory:** Concurrent enrollment in: Physical Science 101.  
**Advisory:** English 42 and Mathematics 34A, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R4 and M20.

This course is an introductory survey of the fundamental concepts of astronomy, geology, chemistry and physics and the interrelationships among these disciplines. Emphasis is placed on the ways in which the physical sciences affect life on the planet and the role discipline plays in addressing issues and problems related to energy, ecology and environmental sustainability. This course is recommended for students planning to major in geography and/or planning to transfer to a four-year institution. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: No credit if taken after a college level course in Chemistry or Physics.

101 Survey of Physical Science Laboratory  
**3 hours lab, 1 unit**  
**Letter Grade or Pass/No Pass Option**

**Corequisite:** Completion of or concurrent enrollment in: Physical Science 100 with a grade of “C” or better, or equivalent.  
**Advisory:** Completion of or concurrent enrollment in: English 48 and Mathematics 46, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and M40.

This course introduces students to the science laboratory and is designed to demonstrate the fundamental concepts of astronomy, geology, chemistry and/or physics as presented in Physical
Science 100. Emphasis is placed on the application of the scientific method and collaborative learning. This course is recommended for students planning to major in geography and/or planning to transfer to a four-year institution. (FT) Associate Degree Credit and transfer to CSU and/or private colleges and universities. UC Transfer Limitation: No credit if taken after a college level course in Chemistry or Physics.

120 Physical Oceanography
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49 and Mathematics 34A, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5, W5 and M20.
This course allows students to pursue an understanding of the major features and processes of the world’s oceans. Students learn about the origin and history of ocean basins, atmospheric and ocean circulation, and the dynamics of waves, tides, and coastlines. They explore the oceans as a resource for people and analyze and evaluate human impacts on marine environments. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

110 Physical Therapy Introduction
2 hours lecture, 2 units
Grade Only
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course provides general information regarding the field of physical therapy (P.T.) to those persons who have been admitted into the program or who have an interest in the profession of P.T. The course focuses on the history and development of the profession, its relationship to the health care delivery system in the United States, the settings utilized in the delivery of therapy, and an exploration of the roles and functions of the workers in the field and their part on the healthcare team. The development of the professional organization, the American Physical Therapy Association (A.P.T.A) and its purpose are presented as well as the general ethical, legal principles and state laws relating to the delivery of physical therapy. Medical terminology specific to P.T. and the need of the health care worker to develop a therapeutic presence are also presented. This course fosters the development of communication skills, interpersonal relationships and professionalism required for the health care field. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

114 Introduction To Human Movement
2 hours lecture, 3 hours lab, 3 units
Grade Only
Corequisite: Physical Therapist Assistant 116 and 116L, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program.
This course introduces the student Physical Therapist Assistant to the relationship between physical laws and the biomechanical principles of joint motion as well as the concepts of normal posture and human locomotion contrasted with obvious posture and gait deviations. The course also provides the students with the opportunity to apply kinesiological concepts to the body’s major joints in performing basic exercise applications with the client who has an orthopedic condition. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

116 Physical Therapy Techniques I
2 hours lecture, 2 units
Grade Only
Corequisite: Physical Therapist Assistant 114 and 116L.
Corequisite: Completion of or concurrent enrollment in: Physical Therapist Assistant 110 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 111.
This lecture course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties that related to the PTA scope of practice and with an emphasis on the outpatient setting. These duties include the principles of the application of basic physical agents including cold, heat and therapeutic massage; basics of gait training with assistive devices for general orthopedic problems; hydrotherapy and basic dressing changes to include universal precautions and infection control; treatment preparation; client positioning and clinic maintenance. The course also fosters the
development of communication skills, interpersonal relationships and professionalism required for the health care field. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

116L Physical Therapy Techniques I
6 hours lab, 2 units
Grade Only
Corequisite: Physical Therapist Assistant 114 and 116. Corequisite: Completion of or concurrent enrollment in: Physical Therapist Assistant 110 with a grade of “C” or better, or equivalent. Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 111.

This laboratory course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties that related to the PTA scope of practice and with an emphasis on the outpatient setting. These duties include the techniques of the application of basic physical agents including cold, heat and therapeutic massage; basics of gait training with assistive devices for general orthopedic problems; hydrotherapy and basic dressing changes to include universal precautions and infection control; treatment preparation; client positioning and clinic maintenance. The course also fosters the development of communication skills, interpersonal relationships and professionalism required for the health care field. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

122 Introduction to Pathology
3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course focuses on the etiology and characteristics of diseases of the body’s systems as they relate to physical therapy and includes a consideration of the general principles of tissue injury, inflammation and healing. The course is designed for students enrolled in the Physical Therapist Assistant Program but is also appropriate for those interested in physical therapy or pathology with a musculoskeletal emphasis. This course is offered in the spring semester only. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

123 Introduction to Therapeutic Exercise
1 hour lecture, 3 hours lab, 2 units
Grade Only
Prerequisite: Physical Therapist Assistant 114 with a grade of “C” or better, or equivalent. Limitation on Enrollment: Special Admission - must be admitted to program.

This course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties that relate to the PTA scope of practice specific to basic principles of therapeutic exercise, including: range of motion, goniometry, manual muscle testing and proprioceptive neuromuscular facilitation. Basic lower extremity exercises are also introduced. This course is offered in the spring only. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

126 Physical Therapy Techniques II
2 hours lecture, 2 units
Grade Only
Prerequisite: Physical Therapist Assistant 116 and 116L, each with a grade of “C” or better, or equivalent. Corequisite: Physical Therapist Assistant 122, 123 and 126L.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 120.

This lecture course is for student physical therapist assistants (PTAs) and is a continuation of Physical Therapy Techniques I with an emphasis on advanced skills and rehabilitation in acute care. It explores the duties related to the PTA scope of practice, including the application of mechanical traction, electrotherapy and electromagnetic physical agents as well as vasopneumatic compression, chest physical therapy, wound care, transfer and transportation of patients, gait techniques for specific diagnoses, and the identification of architectural barriers and basic wheelchair management. Students continue to use medical terms, charting skills, and role play to foster patient and family teaching as well as a deepening of self-awareness of communication skills and professionalism. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

126L Physical Therapy Techniques II
6 hours lab, 2 units
Grade Only
Prerequisite: Physical Therapist Assistant 116 and 116L, each with a grade of “C” or better, or equivalent.
Corequisite: Physical Therapist Assistant 122, 123 and 126.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 120.

This laboratory course is for student physical therapist assistants (PTAs) and is a continuation of Physical Therapy (PT) Techniques I with an emphasis on advanced skills and rehabilitation in acute care. It explores the duties related to the PTA scope of practice including the application of mechanical traction, electrotherapy and electromagnetic physical agents as well as vasopneumatic compression, chest physical therapy, wound care, transfer and transportation of patients, gait techniques for specific diagnoses, and the identification of architectural barriers and basic wheelchair management. Students continue to use medical terms, charting skills and role play to foster their development as PTAs. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

137 Orthopedic Exercise and Rehabilitation
2 hours lecture, 2 units
Grade Only

Prerequisite: Physical Therapist Assistant 114, 123, 126, and 126L, each with a grade of "C" or better, or equivalent.

Corequisite: Completion of or concurrent enrollment in:
Physical Therapist Assistant 142A.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 134.

This course provides the student with a kinesiological based approach to the clinical applications used in the treatment and rehabilitation of the client with orthopedic and related diagnoses. The focus is on safe, legal, ethical and appropriate use of therapeutic exercise and screening assessment procedures, including physiological and therapeutic effects and indications and contraindications. This course is for students enrolled in the Physical Therapist Assistant Program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

138 Topics in Neurology and Rehabilitation
1.5 hours lecture, 1.5 units
Grade Only

Prerequisite: Physical Therapist Assistant 126 and 126L, each with a grade of "C" or better, or equivalent.

Corequisite: Physical Therapist Assistant 138L and Physical Therapist Assistant 142A.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 136.

This course deals with the principles of the functional activities and rehabilitation procedures relating to the management of therapy clients with neurological diagnoses. Other topics include normal growth and development and the rehabilitation of cardiopulmonary conditions. The focus is on safe, legal, ethical and appropriate use of rehabilitation procedures, including physiological and therapeutic effects and indications and contraindications. The course also focuses on the development of communication skills, interpersonal relationships and professionalism required for the health care field. It requires a high level of critical thinking related to implementing and modifying physical therapy interventions. This course is for students enrolled in the Physical Therapist Assistant (PTA) Program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

137L Orthopedic Exercise and Rehabilitation-Lab
6 hours lab, 2 units
Grade Only

Prerequisite: Physical Therapist Assistant 114, 123, 126, and 126L, each with a grade of "C" or better, or equivalent.
138L Topics in Neurology and Rehabilitation
3 hours lab, 1 unit
Grade Only
Prerequisite: Physical Therapist Assistant 126 and 126L, each with a grade of "C" or better, or equivalent.
Corequisite: Physical Therapist Assistant 138 and 142A, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 136.
This course deals with the clinical application of the functional activities and rehabilitation procedures relating to the management of therapy clients with neurological diagnoses. Other topics include normal growth and development and the rehabilitation of cardiopulmonary conditions. The focus is on the safe, legal, ethical and appropriate use of rehabilitation procedures, including physiological and therapeutic effects. The course also focuses on the development of communication skills, interpersonal relationships and professionalism required for the health care field. It requires a high level of critical thinking related to implementing and modifying physical therapy interventions. This course is for students enrolled in the Physical Therapist Assistant (PTA) Program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

141 Organization of Physical Therapy
2 hours lecture, 2 units
Grade Only
Prerequisite: Physical Therapist Assistant 110 with a grade of "C" or better, or equivalent.
This course provides future physical therapist assistants with the principles of organization, management, supervision, productivity levels and performance evaluations. Other topics include: the legal and ethical aspects of physical therapist assistants’ occupation as described in the state board and national association regulations and standards; federal, state and private insurance regulations; medications commonly used by those receiving physical therapy; professional liability insurance; job hunting skills; and the discussion of issues in the medical field as they impact physical therapy. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

142A Directed Clinical Practice
150 hours total by arrangement, 2 units
Grade Only
Completion of or concurrent enrollment in: Physical Therapist Assistant 137, 137L, 138 and 138L, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students who have successfully completed Physical Therapist Assistant 140A and 140B.
This course provides the third semester Physical Therapist Assistant (PTA) student a supervised application of previously learned techniques and skills in the rehabilitation of patients in a selected clinical facility affiliated with the college. The focus is on safe, legal, ethical and effective use of physical therapy interventions. This course also fosters the development of communication skills, interpersonal relationships and professionalism required for the healthcare field. It requires a high level of critical thinking related to implementing, modifying and progressing physical therapy rehabilitation programs. Students are placed in either an inpatient or an outpatient facility. Supervision of the student at the intermediate level is provided by the staff of the affiliating institution and is coordinated by the college faculty. This course is the first of two Directed Clinical Practice courses in the PTA Program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

143A Directed Clinical Practice
375 hours total by arrangement, 5 units
Grade Only
Prerequisite: Physical Therapist Assistant 142A with a grade of "C" or better, or equivalent.
Limitation on Enrollment: Health and Safety. This course is only open to students enrolled in the Physical Therapist Assistant Program
Limitation on Enrollment: This course is not open to students with previous credit for Physical Therapist Assistant 142B.
This course provides the fourth semester Physical Therapist Assistant (PTA) student a supervised application of previously learned techniques and skills in the rehabilitation of patients in two selected clinical facilities affiliated with the college. The focus is on job-ready application in the safe, legal, ethical and effective use of physical therapy interventions. This course requires an advanced level of professional communication and interpersonal relationships necessary for the healthcare field. It requires an advanced level of critical thinking related to the implementation, modification and progression of
physical therapy rehabilitation programs. Students are placed in both an inpatient and outpatient facility. Supervision of the student at the job-ready level is provided by the staff of the affiliating institution and is coordinated by the college faculty. This course is the second of two Directed Clinical Practice course in the PTA program. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

290 Independent Study
Hours by Arrangement, 1-4 units
Grade Only

Limitation on Enrollment: Must obtain an Add Code from instructor for registration.
Provides for additional research, academic or clinical experiences for students with special interests. This course may be taken four times with different content for a maximum of six units. Associate Degree Credit only and not Transferable.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

100 Introductory Physics
3 hours lecture, 3 hours lab, 4 units
Letter Grade or Pass/No Pass Option

Advisory: Mathematics 46 with a grade of "C" or better, or equivalent, or Assessment Skill Level M40.
This course is designed for transfer-level students or for those wanting to acquire basic knowledge in physics with a minimum preparation in mathematics. A comprehensive coverage of subject matter in physics is presented, including mechanics, wave motions, thermodynamics, optics, electromagnetism, atomic and nuclear physics. Emphasis is on the conceptual aspects, including explanation of natural phenomena. The learning of concepts is reinforced through laboratory work. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations: Physics (PHYS) 120A-120B, 121A-121B, 124A-124B, 125-126, 180A-180B, 181A-181B, 195A-195B-195C and 195-196-197 combined: maximum credit, one series.

125 General Physics
4 hours lecture, 3 hours lab, 5 units
Letter Grade or Pass/No Pass Option

Prerequisite: Mathematics 104 or Mathematics 116, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Physics 120A, 121A, 124A, 125A, or 195.
This course is an introductory survey of the concepts and principles of physics. Emphasis is placed on developing an understanding of the properties of matter, mechanics, heat and sound. This course is intended for students taking liberal arts and/or pre-professional courses that do not require physics with calculus. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations: Physics (PHYS) 120A-120B, 121A-121B, 124A-124B, 125-126, 180A-180B, 181A-181B, 195A-195B-195C and 195-196-197 combined: maximum credit, one series.

126 General Physics II
4 hours lecture, 3 hours lab, 5 units
Letter Grade or Pass/No Pass Option

Prerequisite: Physics 125 with a grade of “C” or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Physics 120B, 121B, 124B, 125B, 195B or 196.
This second course in a two-part introductory survey explores the concepts and principles of physics. Topics include electricity, magnetism, light, and modern physics. This course is intended for students taking liberal arts and/or pre-professional courses that do not require physics with calculus. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations: Physics (PHYS) 120A-120B, 121A-121B, 124A-124B, 125-126, 180A-180B, 181A-181B, 195A-195B-195C and 195-196-197 combined: maximum credit, one series.

195 Mechanics
4 hours lecture, 3 hours lab, 5 units
Letter Grade or Pass/No Pass Option

Prerequisite: Mathematics 150 with a grade of “C” or better, or equivalent.
Corequisite: Mathematics 151 with a grade of “C” or better, or equivalent.
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5.
Limitation on Enrollment: This course is not open to students with previous credit for Physics 195A and Physics 196A.

196 Electricity and Magnetism
4 hours lecture, 3 hours lab, 5 units
Grade Only
Prerequisite: Physics 195 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Physics 195B and 196B.
This is the second of a three-semester calculus-based general physics sequence, intended to satisfy the transfer requirements of students planning to major in the physical sciences and in engineering. The topics of study include the basic principles and applications of electrostatics, magnetostatics, time-varying electric and magnetic phenomena, direct and alternating current circuits, elementary electronics and electromagnetic waves. Emphasis is placed on the mathematical analysis of physical problems. Laboratory work on various aspects of electric and magnetic phenomena emphasizing direct current and alternating current circuits is included. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations: Physics (PHYS) 120A-120B, 121A-121B, 124A-124B, 125-126, 180A-180B, 181A-181B, 195A-195B-195C and 195-196-197 combined: maximum credit, one series.

197 Waves, Optics and Modern Physics
4 hours lecture, 3 hours lab, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Physics 195 with a grade of "C" or better, or equivalent.
Advisory: Completion of or concurrent enrollment in: Physics 196 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Physics 195C and Physics 196C.
Physics 197 is the third semester of a three semester calculus-based course designed for prospective scientists and engineers. Topics include the fundamental principles of physics of waves, the behavior of light, and an introduction to relativity, quantum physics and the atomic and nuclear properties of matter. PHYS 196 and 197 may be taken concurrently only if PHYS 195 was completed with a grade of "B" or better or with approval of the department. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitations: Physics (PHYS) 120A-120B, 121A-121B, 124A-124B, 125-126, 180A-180B, 181A-181B, 195A-195B-195C and 195-196-197 combined: maximum credit, one series.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.
be used to satisfy the SDCC District's three-unit social science requirement. Political Science 102 is required for completion of the major in political science. Political Science 102 taken in conjunction with History 109, 115A, 141, 150; Black Studies 140A; Chicano Studies 141A, satisfies the District and CSU American Institutions/California Government requirements. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**103 Comparative Politics**

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Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

Limitation on Enrollment: This course is not open to students with credit for Political Science 130.

A general study of selected governments, their development, organization, administration, and politics. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

**140 Contemporary International Politics**

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Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course is a study of world politics including the various approaches to international relations and international political economy. Emphasis is placed on the roles of nationalism, nation-states, transnationalism and international organizations in the making of contemporary world politics as well as on issues of national security, power and diplomacy, economic competition, international law and the environment. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

**101 General Psychology**

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Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course is a survey of the concepts, principles and terminology of psychology as a science. Emphasis is placed on introducing students to the diverse areas that make up the field of psychology, preparing students for further study in the behavioral sciences and providing students with greater insight into human behavior. This course is designed for students planning to take advanced courses in the Social and Behavioral Sciences and/or students majoring in Psychology. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Psychology (PSYC) 101 and Black Studies (BLAS) 104 combined: maximum credit, one course.

**111 Psychological/Social Aspects of Aging, Death and Dying**

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Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

This course explores the psychological, physiological and social factors influencing behavior during the later years of life. Through improving their understanding of the conditions and problems of growing older in today's world, students may increase their empathy with the aged in society as well as enhance their adaptation to their own aging process. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**112 Interpersonal Relations**

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Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6.

This course is a study of psychological theories as applied to the understanding of self in relationship to others. Emphasis is placed on the development and practice of interpersonal skills. This course is intended for students with an interest in psychology and
interpersonal relations. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

121 Introduction to Child Psychology
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
An examination of child growth and development from conception through adolescence, including environmental management and interpersonal relations with special emphasis on the preschool years. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: No credit for Psychology (PSYC) 121 or 123 if taken after 230.

123 Adolescent Psychology
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
An exploration of an explosive period in human development. Major goals of this course are to understand the stresses experienced during the teenage years, and to investigate methods of coping with the individual adolescent. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: No credit for Psychology (PSYC) 121 or 123 if taken after 230.

125 Introduction to Behavior Modification
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6.
This course is an introduction to the basic principles of behavior modification. Emphasis is placed on applied learning theory as it pertains to life-style issues, including exercise, weight and diet, time management, stress and relaxation. This course is intended for Psychology majors and all students interested in the practical applications of learning theory. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

128 Biofeedback and Stress Management
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course explores Biofeedback as a theoretical and practical discipline that uses physiological monitors to increase awareness and control of normally subconscious glandular and muscular responses for the purpose of increasing physical and psychological health. The course is open to any student with an interest in learning the theories of biofeedback and stress management. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

133 Psychology of Women
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5 and R5.
Psychology of Women is designed for students seeking an associate degree or those seeking elective credit for transferring to the CSU or UC systems or any student interested in women's issues. The course explores the nature of women's lives and the various roles that women play during their lives and takes an historical, ethnic and cross-cultural look at the treatment of women in the United States and abroad. Students examine women's sexuality, health, life span development and socio-political status in the world today. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

135 Marriage and Family Relations
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course examines the behaviors related to courtship, engagement, marriage, and family life as well as how science helps us understand these experiences. It surveys historical, cross cultural, and social perspectives of families. The course addresses interpersonal communication, economic management, and sexuality as they relate to the family. This course can be beneficial to students pursuing advanced degrees in child development or family studies. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

137 Human Sexual Behavior
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course explores the psychological, social, and physiological dimensions of human sexual behavior. Students review specific theories and research
findings and focus on individual sexual development, functioning, and healthy decision making. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Psychology (PSYC) 137 and Black Studies (BLAS) 165 combined: maximum credit, one course.

155 Introduction to Personality
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6.
This course is a survey of the fundamental personality theories within the field of psychology. Emphasis is placed on the personal life experiences of each of the major personality theorists, their research methods and approaches to the study and understanding of personality, and clinical applications of their theories. This course is designed for psychology majors and anyone seeking a stronger understanding of psychological theory. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

161 Introduction to Counseling
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6.
This course is an introductory study of the history and complexity of the counseling relationship. Emphasis is placed on the skills required to be an effective counselor. Topics include various counseling approaches and settings as well as related legal and ethical issues. This course is intended for psychology majors and anyone interested in the therapeutic aspects of psychology/counseling. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

165 Theories of Consciousness
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
A scientific and systematic introduction to the historical perspectives and concepts basic to the understanding of consciousness. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

166 Introduction to Social Psychology
3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
Social psychology examines how individuals are influenced by their social environment. Special attention is given to social cognition and perception, self-justification, conformity, group dynamics, prejudice, aggression, prosocial behavior and applied social psychology. Emphasis will be placed on developing critical and integrative ways of thinking about theory and research in social psychology. This course is for anyone who is interested in the subject of social psychology. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

201 Academic and Career Opportunities in Psychology
1 hour lecture, 1 unit
Pass/No Pass
Prerequisite: Psychology 101 with a grade of "C" or better, or equivalent.
Advisory: 30 units of college course work.
This course is a study of career options in the field of Psychology. Emphasis is placed on the identification of career-related strengths and interests and information on post-baccalaureate options in psychology and related fields. This course is designed for students interested in majoring in psychology. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

207 Psychology of Religion
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
An inquiry into psychological factors in personal religious experience and the values held by religious groups; a comparison of selected Eastern and Western
211 Learning
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Psychology 101 with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Psychology 210.
Students learn about the basic principles and research in animal and human learning. Subjects include scientific versus nonscientific approaches to behavior studies, operant and respondent conditioning, observational and cognitive learning, and motivation as related to self-control. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

230 Psychology of Lifespan Development
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Psychology 101 with a grade of "C" or better, or equivalent.
This course is designed for students interested in studying the psychological development of humans in all their sociocultural diversity from conception to death. Students learn major theoretical positions related to growth and change. The course emphasizes the variety of factors that shape similarities and differences in life. Psychology majors wishing to transfer are advised to take this course. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

245 Abnormal Psychology
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course provides a comprehensive survey of troubled patterns of behavior. Students explore theoretical models as they relate to etiology, treatment, and prognosis of psychopathologies. Students also learn how the DSM-IV helps identify and assess various disorders. Topics include legal and social policy issues. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

255 Introduction to Psychological Research
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Psychology 101 with a grade of "C" or better, or equivalent.
This course is an introduction to scientific methodology in psychology. Emphasis is placed on descriptive, experimental, and applied research. Students learn the American Psychological Association writing style for empirical report writing. This course is intended for psychology majors and behavioral science students interested in the processes of research. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

258 Behavioral Science Statistics
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Mathematics 96 with a grade of "C" or better, or equivalent, or Assessment Skill Levels M50. Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course is an introductory study of statistics for the Behavioral Sciences. Emphasis is placed on acquainting students with the concepts underlying statistical methods and research approaches, basic statistical analyses and principles. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Mathematics (MATH) 119, Biology (BIOL) 200 or Psychology (PSYC) 258 combined: maximum credit, one course.

260 Introduction to Physiological Psychology
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Psychology 101 with a grade of "C" or better, or equivalent.
Students learn about the physiological determinants of behavior. Subjects include behavior evolution, the nervous system, and endocrine glands as well as their relationship to perception, learning, motivation, emotion, and personality. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

262 Health Psychology
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Psychology 101 with a grade of "C" or better, or equivalent.


**Limitation on Enrollment:** This course is not open to students with previous credit for Psychology 265: Health Psychology.

This course surveys concepts and applications of psychology that are effective in the areas of optimizing health and the delivery of treatment, including behavior analysis and cognitive interventions and prevention techniques. Perspectives of health psychology research and how it leads to better medical care are discussed. The course is open to any student who has an interest in the study of the interrelationships of health and psychology. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**276 Field Work in Psychological Services**

2 hours lecture, 3 hours other, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.

This supervised field experience course enables the student to be of service to the community while learning about the function of human care services. Emphasis is placed on providing students with the chance to explore the varied career choices in the field of psychology as well as on practical experience with basic helping skills in current social service situations. This course is intended for students who want to work with people in human care services. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

**RADIOLOGIC TECHNOLOGY (RADT)**

**105 Basic Radiologic Technology**

3 hours lecture, 3 units
Grade Only

Corequisite: Radiologic Technology 251A.

This course introduces the student to medical imaging: history, role and function of the radiographer, professional organizations, ethical and legal principles, California Title 17, and relationship of the profession to the health care delivery system. Medical and radiographic terminology, basic radiation, and electrical protection of patient and self; basic technical principles are included. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**110 Recording Media and Processing**

2 hours lecture, 2 units
Grade Only

Corequisite: Radiologic Technology 251C.

This course provides the student with knowledge of recording media utilized to produce diagnostic images. Various media acquisition techniques, image processing and storage are discussed including PACS (picture archiving and communications systems). (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**120A Radiographic Exposure**

2 hours lecture, 2 units
Grade Only

Corequisite: Radiologic Technology 251C.

This course provides the student with the knowledge of factors that govern and influence the production of the radiographic image on recording media. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**120B Radiographic Exposure Laboratory**

3 hours, 1 unit
Grade Only

Corequisite: Radiologic Technology 251C.

This laboratory course provides the student with clinical applications of the theory and concepts of radiographic exposure of Radiologic Technology 120A. Principles and techniques of daily photographic quality assurance are introduced. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**130 Patient Care**

2 hours lecture, 2 units
Grade Only

Corequisite: Radiologic Technology 251A.

This course provides the student with basic concepts of integrated patient care within the radiology department including physical and psychological needs of the patient, venipuncture techniques with associated application in contrast media injection, treatments of complication and/or reaction to media injection. Routine and emergency patient care procedures are described as well as infection control procedures utilizing universal precautions. Common drug nomenclature and basic concepts of...
pharmacology are introduced. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

199 Radiographic Positioning I
  1 hour lecture, 3 hours lab, 2 units
  Grade Only
Corequisite: Radiologic Technology 251A.
This is a course designed to introduce the student to the basic theories of standard radiographic positioning. Positioning considerations for routine radiographic procedures to image the upper and lower extremities, bony thorax, abdomen, and pelvis are identified and simulated in the laboratory setting. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

200 Radiographic Positioning II
  1 hour lecture, 3 hours lab, 2 units
  Grade Only
Corequisite: Radiologic Technology 251C.
This is a course designed to relate the basic theories of standard radiographic positioning and procedures identified in RADT 199 to the standard radiographic positioning and procedures of the vertebral column, alimentary canal, urinary, biliary, and reproductive systems. Positioning considerations for routine procedures are identified and simulated in the laboratory setting. The associated radiographic is included. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

211 Radiographic Positioning III
  1 hour lecture, 3 hours lab, 2 units
  Grade Only
Corequisite: Radiologic Technology 252B.
This is an advanced level course in radiologic procedures, radiographic positioning and radiographic associated pathology for, special procedures, mammography, pediatric, and interventional radiography. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

220 Radiographic Technique
  3 hours lecture, 3 units
  Grade Only
Corequisite: Radiologic Technology 252B.
This is an advanced level course designed to study the theoretical and practical aspects relating to exposure techniques and radiographic quality. Primary emphasis is placed on problem solving and reasoning for practical image quality and improvement. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

230 Radiologic Science
  2 hours lecture, 2 units
  Grade Only
Corequisite: Radiologic Technology 252B.
This is an advanced level course to provide the student with a working knowledge of radiologic physics from x-ray generating equipment, beam characteristics to x-ray interaction. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

240 Radiation Biology
  1 hour lecture, 1 unit
  Grade Only
Corequisite: Radiologic Technology 253A.
This is an advanced level course to study radiation hazards and the potential consequences to both the technologist and the patient. The most appropriate means of minimizing the radiation dose is emphasized with California's Title 17 radiation regulations as a foundation for discussion and application. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

241 Sectional Anatomy
  3 hours lab, 1 unit
  Grade Only
Corequisite: Radiologic Technology 253A.
This is a course to provide the student radiographer who possesses a background in general anatomy with an orientation to sectional anatomy and to correlate such with structures demonstrated on images from the various imaging modalities. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

242 Organization of Radiology
  1 hour lecture, 1 unit
  Grade Only
Corequisite: Radiologic Technology 253B.
This advanced level course deals with the principles of organization, management, supervision, productivity levels and performance evaluations. Other topics include the legal and ethical aspects of radiographers as described in state licensure and national association regulations and standards, professional resumes, and the discussion of issues in the medical field as they impact medical imaging. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
244 CT and MRI Imaging
3 hours lecture, 3 units
Grade Only
Corequisite: Radiologic Technology 253A.
Limitation on Enrollment: Special Admission - must be admitted to program.
This is a course for radiologic technology students to study the imaging modalities of computer tomography (CT) and magnetic resonance (MR) imaging. The underlying physical principles, imaging methods, instrumentation, imaging manipulation and clinical use of the modalities in diagnostic imaging are explored. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

248 Mammography I
1 hour lecture, 1 unit
Grade Only
Corequisite: Radiologic Technology 253A.
Limitation on Enrollment: This course is not open to students with credit for Radiologic Technology 265: Mammography.
This is a comprehensive course to examine the basic principles of mammography and its clinical application in diagnosing breast disease. Essential background information in the early detection of breast cancer is also explored. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

251A Directed Clinical Practice
3 units, 15 other hours
Grade Only
Prerequisite: Biology 160 with a grade of “C” or better, or equivalent.
Corequisite: Radiologic Technology 105, Radiologic Technology 130 and Radiologic Technology 199.
Limitation on Enrollment: Special Admission - must be admitted to program.
This course introduces the student to the supervised clinical hospital experience of the radiographer program. With direct supervision, the student observes and begins to perform radiographic procedures and examinations with utilizing medical ethics and patient care principles. Supervision is shared by the staff of the clinical education center and college faculty. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

252A Directed Clinical Practice
375 hours other, 5 units
Grade Only
Prerequisite: Radiologic Technology 110, 120A, 120B, 200, and 251C, each with a grade of “C” or better, or equivalent.
This is a course to provide continued supervised clinical experience to demonstrate competency of recently taught radiographic procedures and examinations and to demonstrate continued competency of the exams previously evaluated. Supervision is shared by the staff of the clinical education center and college faculty. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

251C Directed Clinical Practice
225 - hours other, 3 units
Grade Only
Prerequisite: Radiologic Technology 251A with a grade of "C" or better, or equivalent.
253A Directed Clinical Practice
375 hours other, 5 units
Grade Only

*Prerequisite:* Radiologic Technology 211, 220, 230, and 252B, each with a grade of “C” or better, or equivalent.
*Corequisite:* Radiologic Technology 240, 241, 244, and 248.

This is a course to provide demonstration of required positioning and procedure competencies and to begin documentation of final competency prior to program completion. In addition, the student begins rotations to augment their clinical experience in areas such as CT, MRI, special procedures and outpatient clinical centers. Supervision of the student is shared by the staff of the clinical education center and college faculty. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

253B Directed Clinical Practice
375 hours other, 5 units
Grade Only

*Prerequisite:* Radiologic Technology 240, 241, 244, and 253A, each with a grade of “C” or better, or equivalent.
*Corequisite:* Radiologic Technology 242.

This is a course to provide integration of all program objectives and to provide documentation of final competencies in preparation for licensure examinations and program completion. Supervision of the student is shared by the staff of the clinical education center and college faculty. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

101 Real Estate Principles
3 hours lecture, 3 units
Grade Only

This course covers the fundamentals of the economics of land ownership and use and the responsibility of broker, owner and purchaser; terminology and definitions and the varied vocational opportunities in the general field of real estate are also covered. Completion of this course is required prior to taking the exam for the California Real Estate Salesperson’s License. This course also applies as an elective toward the State’s educational requirements for the broker’s examination. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

105 Legal Aspects of Real Estate I
3 hours lecture, 3 units
Grade Only

This course is a study of California Real Estate law. Emphasis is placed on the practical application of the law to legal problems arising from real estate transactions, statutory enactment and case law, legal instruments, zoning ordinances, and city and county planning decisions. This course applies toward the State’s educational requirements for the broker’s examination and as an elective for the salesperson’s license. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

110 Principles of Real Estate Appraisal I
3 hours lecture, 3 units
Grade Only

This course is a study of basic appraisal principles, market analysis and highest and best use. Emphasis is placed on providing students with an overview of real property concepts and characteristics, legal consideration, value influences, real estate finance, types of value, economic principles, real estate markets and analysis, and ethics in appraisal practice. Course content also includes the tools needed to properly collect and analyze market data including market segmentation and disaggregation, supply side analysis, demand analysis and highest and best use. This course applies toward the new 2008 basic educational requirements of the Office of Real Estate Appraisers for the California Real Estate Appraisal license and is structured to comply with the 2008 curriculum requirements of the Appraisal Qualifications Board. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

111 Introduction to Uniform Standards of Professional Appraisal Practice (USPAP)
1 hour lecture, 1 unit
Grade Only

*Advisory:* Real Estate 110 with a grade of “C” or better, or equivalent.

This course is a practical study of the appraisal profession and its application of the Uniform Standards of Professional Appraisal Practice (USPAP). Course content includes a history of the appraisal industry, USPAP rules and standards, and an overview of The Appraisal Foundation (TAF), the Appraisal Standards Board (ASB), the Appraiser Qualifications Board (AQB) and the Appraisal Subcommittee (ASC). This course satisfies the AQB and the California Office of Real Estate Appraisers (OREA) 15-hour USPAP requirements as part of the 150 hours of required...
education for the Appraiser Trainee License. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

115 Real Estate Finance I

3 hours lecture, 3 units
Grade Only

This course analyzes the financing of real estate. Topics will include types of financing sources; loans and loan processing; governmental loans, methods of financing residential properties; with an overview of financing business, income, commercial and industrial properties; and property appraisal and taxation. This course applies toward the State's educational requirements for the broker's examination and as an elective for the salesperson's license. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

120 Real Estate Practice

3 hours lecture, 3 units
Grade Only

This course examines the principles of real estate practice as they pertain to day-to-day operations in a real estate office. Topics include listings, valuations, prospecting, selling, financing, exchanges, taxation and specialized brokerage operations. Professional and ethical activities are stressed. This course applies toward the State's educational requirements for the broker's examination and as an elective for the salesperson's license. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

125 Real Estate Economics

3 hours lecture, 3 units
Grade Only

This course deals with trends and factors that affect the value of real estate; the nature and classification of land economics; the development of property, construction and subdivision, economic values and real estate evaluation; real estate cycles and business fluctuations; residential market trends; real property and special purpose property trends. This course applies toward the State's educational requirements for the broker's examination and as an elective for the salesperson's license. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

130 Real Property Management

3 hours lecture, 3 units
Grade Only

This course is a practical approach to the principles and practices of managing income properties, including leasing, tenant relations, collections, and rent schedules; budgets and purchasing; market economics; landlord-tenant law, evictions, prohibited discrimination, property maintenance; taxation; and record keeping, and marketing. This course applies as an elective toward the State's educational requirements for the broker's examination and for the salesperson's license. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

101 First Course in Russian

5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option

Advisory: English 48 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5.

This is an entry level course designed to introduce students to the Russian language and cultures of the Russian-speaking world. In this interactive course, students learn and use the language by speaking, listening, reading, and writing at the novice level. Basic language structures and vocabulary for communication are examined and explored in Russian. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Corresponds to two years of high school study.

102 Second Course in Russian

5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option

Prerequisite: Russian 101 with a grade of "C" or better, or equivalent.

This course is a continuation of Russian 101, developing language competency and an understanding of the Russian culture. In this interactive course, students are listening, reading, speaking, and writing beyond the novice level. The
students develop their receptive and productive competencies to the low-intermediate or mid-intermediate level. Additional language structures and vocabulary for communication are examined and explored in Russian. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

201 Third Course in Russian
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Russian 102 or three years of high school Russian with a grade of “C” or better, or equivalent. Advisory: Concurrent enrollment in: Russian 296. This is the third course in the Russian language sequence. In this interactive course, students use the language through speaking, listening, reading, and writing at the intermediate level. More complex language structures and vocabulary for communication are examined and explored as well as the literary and historical aspect of Russian culture. This course is appropriate for students interested in continuing their study of the Russian language and culture as well as for students who need to meet language proficiency or general education requirements in the humanities. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

SOCIOLOGY (SOCO)

101 Principles of Sociology
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5. The basic facts, concepts and generalizations of sociology are covered. Content includes the scientific study of social interaction and organization with special reference to present-day America, including cross-cultural and multicultural analysis. This course is useful for those considering careers in counseling, teaching, social work, and nursing. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Sociology (SOCO) 101 and Black Studies (BLAS) 115 combined: maximum credit, one course.

110 Contemporary Social Problems
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5. This course requires students to identify and analyze present day social problems in the United States, with emphasis on sociological factors involved, while including cross-cultural and multicultural analysis. Students will use scientific methods of approaches to and criteria for evaluating proposals for social betterment. This course is useful for students pursuing careers in criminology, counseling, education, law, medicine, and dental hygiene. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

125 Sociology of the Family
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5. This course is a study of the structures and functions of the family as a social, cultural and historical institution in the United States and throughout the world. Emphasis is placed on an analysis of the family's relationship to economic structures, political institutions and belief systems. Topics include definitions of family, gender roles and family stability. This course is intended for students majoring in sociology, psychology, social work and counseling as well as any student interested in the study of the family as an institution. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

201 Advanced Principles of Sociology
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels R5 and W5. A course designed to continue the examination of the major ideas that have shaped contemporary sociology. Special attention is given to classical social thinkers and to the origin of sociology as a science. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.
223 Globalization and Social Change
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels R6 and W6; Sociology 101 with a grade of "C" or better, or equivalent.
This course evaluates the social and political changes brought on by globalization among industrialized, industrializing, and underdeveloped nations. It presents arguments and theories for and against globalization and supplements with empirical examples. The course is useful for those considering careers in law, politics, business, teaching, and non-profit organizations dealing with human rights issues, political advocacy, and international affairs. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Spanish (SPAN) 100, 101-102 combined: maximum credit, 10 units.

101 First Course in Spanish
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Advisory: English 43 with a grade of "C" or better, or equivalent, or Assessment Skill Level W4. Limitation on Enrollment: This course is not open to students with previous credit for or concurrent enrollment in Spanish 100. This entry level course introduces students to the Spanish language and cultures of the Spanish-speaking world. In this interactive course, students learn and use the language by speaking, listening, reading, and writing at the novice level. They also examine and explore basic Spanish language structures and vocabulary. This course is intended for beginning students who seek basic proficiency in the Spanish language, students who want to take other Spanish courses, and students who want to learn Spanish for their personal enrichment. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Spanish (SPAN) 100, 101-102 combined: maximum credit, 10 units.

102 Second Course in Spanish
5 hours lecture, 5 units
Prerequisite: Spanish 101 with a grade of "C" or better, or equivalent, or two years of high school Spanish with a grade of "C" or better, or equivalent.
Letter Grade or Pass/No Pass Option
Advisory: English 43 with a grade of "C" or better, or equivalent, or Assessment Skill Level W4. Limitation on Enrollment: This course is not open to students with previous credit for or concurrent enrollment in Spanish 100. In this interactive continuation of first-semester Spanish, students develop listening, reading, speaking, and writing skills at a more complex level. Students further develop their receptive and productive competencies to the intermediate low/mid level. The course explores additional Spanish language structures and vocabulary for communication. This course is intended for students who want to further their basic proficiency in the Spanish language, students who want to take a third-semester Spanish course, and students who want to continue learning Spanish for their personal enrichment. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Spanish (SPAN) 100, 101-102 combined: maximum credit, 10 units.
Transfer Limitation: Spanish (SPAN) 100, 101-102 combined: maximum credit, 10 units.

201 Third Course in Spanish
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Spanish 102 with a grade of “C” or better, or equivalent, or three years of high school Spanish. This course is an interactive study of Spanish at the intermediate level with increased emphasis on reading and writing while listening and speaking skills continue to develop. The course material emphasizes formal study of the language structure and further development of vocabulary and functional competence. The course also provides for increased awareness of cultural norms, values, and culturally relevant and appropriate customs and events. The content is expanded beyond “survival” needs in the immediate environment and deals in greater detail in areas such as the arts, the environment, social interactions, careers and professions and general feelings. This course is intended for students who are planning to major in Spanish as well as those who are interested in studying the language. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Spanish (SPAN) 201-202 and Chicano Studies (CHIC) 203-204 combined: maximum credit, one series.

202 Fourth Course in Spanish
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Spanish 201 with a grade of “C” or better, or equivalent.
Limitation on Enrollment: This course is not open to students with credit for Spanish 200. This course is offered as an advanced intermediate level course. It reviews and furthers grammatical features in Spanish through oral and written communication within a cultural background. Readings of literary and/or culturally relevant authentic materials are examined in depth. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Spanish (SPAN) 201-202 and Chicano Studies (CHIC) 203-204 combined: maximum credit, one series.

210 Conversation and Composition Spanish I
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Spanish 102 with a grade of “C” or better, or equivalent.
This course further develops oral comprehension and fluency as well as written communication at a mid-intermediate level in Spanish through culturally relevant materials. Students increase vocabulary, dramatize everyday topics of conversation, interpret and describe materials, and compare and contrast Latin American and Spanish cultures with U.S. culture both orally and in writing. Writing strategies are emphasized and literature is introduced. This course is intended for students who want to enhance their skills in the Spanish language. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

211 Conversation and Composition Spanish II
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Spanish 210 with a grade of “C” or better, or equivalent.
This course further develops oral comprehension and fluency as well as written communication at an advanced intermediate level in Spanish through culturally relevant materials. Students further increase vocabulary, dramatize everyday topics of conversation, interpret and describe materials, and compare and contrast Latin American and Spanish cultures with U.S. culture, both orally and in writing. Pre-reading strategies introduced in Spanish 210 are used as a basis upon which to build course emphasis in reading. More literature is introduced. This course is intended for students who want to further enhance their skills in Spanish. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

215 Spanish for Spanish Speakers I
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Spanish 102 with a grade of “C” or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Spanish 201. This course is designed for students who are fluent in spoken, informal Spanish and who need to improve their writing, reading, and grammar skills. Emphasis is on the mastery of formal, written communication skills in Spanish at the intermediate level, and the study of Hispanic and Chicano culture through reading relevant, authentic materials. The course
SPEECH COMMUNICATIONS (SPEE)

101 Voice and Articulation
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This is an introduction to basic techniques of clear articulation to develop effective voice usage in standard American English. The emphasis in this course is on effective sound production and vocal quality. It is recommended for people who deal with the public such as selling and providing public services. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

103 Oral Communication
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course offers a wide variety of reading, application and speaking assignments designed to expose students to all the major skills of speechmaking. Students focus on the following basic elements: ethics; analyzing the audience; visual aids; choosing a topic and specific purpose; outlining, listening, organizing a speech; delivery; small group communication; informative and persuasive speaking; speaker credibility; effective use of language; library research; and communication and/or speeches to entertain. All students give several speeches both with and without visual aids. This course is designed to prepare students for majors in Communications as well as for the general population. Designated sections of this course are taught from a specific cultural perspective and are cross-listed under Bilingual Studies, Black Studies, and Chicano Studies in the catalog and class schedule. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

104 Advanced Public Communication
3 hours lecture, 3 units
Grade Only
Prerequisite: Speech Communications 103 with a grade of "C" or better, or equivalent.
This course covers theory, practice and critical analysis of public communication, including speeches on subjects of current interest both local and global. It...
includes an introduction to the relationship between rhetorical theory and criticism and rhetorical practice in public communication. Special emphasis is placed on advanced platform speaking and limited preparation speaking. This course is designed for students majoring in communication studies and students interested in advancing fundamental speech skills. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

111 Oral Interpretation
3 hours lecture, 3 units
Grade Only
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
This course involves theory and practice in the interpretational performance of literature. The course concentrates on the development of analytical skills and emphasizes the use of verbal and nonverbal communication in the interpretation of various literary genres including prose, poetry and drama. Literature is selected from a wide variety of world cultures and is taught from a multicultural perspective. The course is designed for the transfer student intending to major in Speech Communications. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

117A Intercollegiate Forensics
3-9 hour lab, 1-3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Speech Communications 117B with a grade of "C" or better, or equivalent.
This course is for the student who is interested in intercollegiate forensics (speech and debate) competition. Special emphasis is given to the preparation of platform speeches (informative, persuasive and after-dinner) and novice intercollegiate debate. Students taking the course for one unit participate in one event and one tournament; for two units, two events and two tournaments; for three units, three events and three tournaments. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

117B Intercollegiate Forensics
3-9 hours lab, 1-3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Speech Communications 117A with a grade of "C" or better, or equivalent.
This course is for the student who is interested in intercollegiate forensics (speech and debate) competition. Special emphasis is given to limited preparation speech events (impromptu and extemporaneous) and debate. Students taking the course for one unit participate in one event and one tournament; for two units, two events and two tournaments; for three units, three events and three tournaments. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

117C Intercollegiate Forensics
3-9 hours lab, 1-3 units
Letter Grade or Pass/No Pass Option
Prerequisite: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5.
The course emphasizes the development of effective interpersonal skills, strategies and practice in oral and written communication. Personal, situational, and cultural influences of interaction will be covered. It pays particular attention to human perception, interpersonal dynamics, listening, conflict management, and verbal and nonverbal symbol systems. The course is intended for students who
communicate in a one-on-one situation including majors in communication, fashion, allied health, public service and business. This course is also intended for students who are interested in further development of effective interpersonal skills in work, volunteer, and personal environments. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

160 Argumentation
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Prerequisite: Speech Communications 103 with a grade of "C" or better, or equivalent.
This is a course in the construction and analysis of argument. The course emphasizes the essentials of argumentation: theory, research, and analyses of propositions, tests of evidence, construction and application of arguments to everyday life and public policy. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

170 Small Group Communication
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5; and Speech Communications 103 with a grade of "C" or better, or equivalent.
This course offers practical experience in the techniques of leading and participating in small group discussions. Small group techniques such as panels, symposiums, problem solving, conflict resolution, leadership skills and parliamentary procedures are covered. Community building through service learning is presented as a tool to creating collective consciousness and an altruistic philosophy. This course is designed for students intending to major in speech communications, business, international business, education, and all fields of study and certifications that require group and team building skills. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

180 Intercultural Communication
3 hours lecture, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5; and Speech Communications 103 with a grade of "C" or better, or equivalent.
Intercultural communication is the study of communication between members of differing cultures. The discipline focuses on the relationship between culture and communication emphasizing social psychological variables, verbal and nonverbal language systems, cross-cultural communication breakdowns and conflict resolution. Practical application of intercultural communication principles to contemporary problems of cross-cultural and international communication will be stressed. This course is designed for students intending to major in speech communications, international business, business education, social sciences, nursing, mass communications, and all fields of study and certifications that require cross-cultural contact and/or awareness of cultural distinctions. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

290 Independent Study
Hours by Arrangement, 1-3 units
Letter Grade or Pass/No Pass Option
Limitation on Enrollment: Must obtain an Add Code from instructor for registration.
Advanced special work in debate, radio interpretation, public address. This course may be taken four times with different content for a maximum of six units. Associate Degree Credit & transfer to CSU and/or private colleges and universities.
This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

101 First Course in Tagalog
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Advisory: English 43 with a grade of "C" or better, or equivalent, or Assessment Skill Level W4.
This course in Tagalog is the first in its language sequence. This is an entry-level course to the Filipino language and culture. In this interactive course, students use the language through speaking, listening, reading, and writing at the novice level. Basic language structures, appropriate forms of address, and vocabulary for communication are examined and explored. (FT) Associate Degree Credit & transfer to
CSU and/or private colleges and universities. UC Transfer Limitation: Corresponds to two years of high school study.

102 Second Course in Tagalog
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Tagalog 101 with a grade of "C" or better, or equivalent.
Advisory: Concurrent enrollment in: Tagalog 296. This course in Tagalog is the second in its language sequence. This course reinforces Filipino culture and Tagalog language concepts studied in the first semester course and introduces additional Filipino cultural and language structures at the low-intermediate level. This interactive course builds on the basic Tagalog language structures and adds new structures through speaking, listening, reading, and writing at the low-intermediate level of grammar mastery. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

201 Third Course in Tagalog
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Tagalog 102 with a grade of "C" or better, or equivalent.
This is an intermediate course and is the third in its language sequence. In this interactive course, students use the language through speaking, listening, reading, and writing at the intermediate level. More complex language structures and vocabulary for communication are examined and explored. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

101 First Course in Vietnamese
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 with a grade of "C" or better, or equivalent, or Assessment Skill Level R5.

Advisory: Concurrent enrollment in: Vietnamese 296. This is the first course in Vietnamese with emphasis on understanding, speaking and reading the language of everyday life. In this interactive course, the elements of grammar are examined with practice in writing Vietnamese, using the subject matter relating to the culture and traditions. Basic language structures and vocabulary for communication are examined and explored in Vietnamese. This course may especially be of interest to students preparing for a career in education. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Limitation: Corresponds to two years of high school study.

102 Second Course in Vietnamese
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Vietnamese 101 with a grade of "C" or better, or equivalent.
Advisory: Concurrent enrollment in: Vietnamese 296. This is a continuation of Vietnamese 101. In this interactive course, students use listening, reading, speaking and writing at more complex levels. The students further develop their receptive and productive competencies to the intermediate low or mid level. The elements of grammar are examined with practice in writing Vietnamese, using the subject matter relating to the culture and traditions. This course is intended for students interested in languages and for those interested in further academic study of Vietnamese. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

201 Third Course in Vietnamese
5 hours lecture, 5 units
Letter Grade or Pass/No Pass Option
Prerequisite: Vietnamese 102 with a grade of "C" or better, or equivalent.
Advisory: English 43 with a grade of "C" or better, or equivalent, or Assessment Skill Level W4; and concurrent enrollment in: Vietnamese 296. This is an intermediate course and is the third in the Vietnamese language sequence. In this interactive course, students use the language through speaking, listening, reading, and writing at the intermediate level. More complex language structures and vocabulary for communication are examined and explored as well as literary and historical aspects of Vietnamese culture. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.
This discipline may offer specialized instruction in one or more of the following areas: Supervised Tutoring (044), Experimental Topics (265), Independent Study (290), Individualized Instruction (296), Service Learning (277), or Work Experience (270). Detailed course descriptions are listed on page 246. Please refer to the class schedule and/or see the dean or department chair for availability.

WEB DEVELOPMENT (WEBD)

166 Database Driven Website Development in Dreamweaver
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Advisory: Computer Business Technology 101, 114, 153, and 161; and Computer Business Technology 162 or 165; or Multimedia 127, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Computer Business Technology 166.
This course is a hands-on study of the skills required to build and manage dynamic database driven websites. Students create database-driven websites to support eCommerce and dynamically built pages. This course is designed for all students and professionals who wish to acquire skills in website creation and development. This course may be repeated three times to update skills as technology changes. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

168 Cascading Style Sheets (CSS) for Web Design
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Advisory: English 48 and English 49, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels R5 and W5; Computer Business Technology 101, 114, 161, and 162 or 165; and Multimedia 127, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Computer Business Technology 168.
This course is a hands-on study of Cascading Style Sheets (CSS) in creating Web standards-compliant sites. Emphasis is placed on the use of CSS to format and position elements in Hypertext Markup Language (HTML) and/or Extensible Hypertext Markup Language (XHTML) and applying best practices. Students apply CSS concepts and rules of specificity to achieve the design goals of a published Web site by hand coding and using an HTML editor, such as Dreamweaver. This course is designed for students studying web design and professionals updating their skills. This course may be repeated three times to update skills as CSS and Web technologies change. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

169 Website Customization Using Open Source Interactive Tools
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Advisory: Computer Business Technology 101, 114, 161 and 162 or 165; and Multimedia 101 and 127, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Computer Business Technology 169.
This course is a hands-on study of website customization using open source tools. Emphasis is placed on creating and maintaining blogs and content management system (CMS). Students create and manage email and listservs, and manage tools and features available through a web hosting provider. This course is intended for students studying web design and professionals updating their skills. This course may be repeated three times to update skills as technologies change. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

191 Capstone in Web Design
2.5 hours lecture, 1.5 hours lab, 3 units
Letter Grade or Pass/No Pass Option
Advisory: Computer Business Technology 101 or 102 or 103; and Computer Business Technology 114, 161, 162, 165 and 169; and Multimedia 101, each with a grade of "C" or better, or equivalent.
Limitation on Enrollment: This course is not open to students with previous credit for Computer Business Technology 191.
In this capstone course, students form teams to design and develop an advanced Website. Emphasis is placed on the processes and methodologies used in industry, including working with the client, creating website content, and optimizing the site to ensure usability, findability and accessibility. This course is designed for students studying web design and professionals updating their skills. This course may be repeated three times to update skills as technologies change. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.
OCCUPATIONAL WORK EXPERIENCE is a program of on-the-job learning experiences for students employed in jobs related to an occupationally oriented major. The goals and course assignments for completion of the courses are formulated with industry under the direction of the college instructor assigned to teach Work Experience 270. The grading system is the same as for other subjects offered by the college, and the time spent for preparation and training is comparable. Adequate records are maintained to determine satisfactory progress and attendance.

Student Learning Outcomes
Students will be able to:

- Apply critical thinking, research, analysis and resolution for work-related and personal objectives.
- Convert classroom instruction to the employment environment through the development and attainment of three (3) learning objectives.
- Write Specific, Measurable, Achievable, Relevant and Timely (S.M.A.R.T.) objectives related to new or expanded workplace responsibilities.
- Develop and apply personal skills, attitudes, and competencies in the workplace and within course-related activities.
- Demonstrate effective communication and technological awareness through the use of technologies (internet, email and telephone) in ways appropriate to the course.
- Demonstrate accountability for their personal actions at work and as it relates to course.
- Research resources for education and/or career options.

Students will be assessed through a combination of performance evaluations, written assignments, and written tests and quizzes.

270 Occupational Work Experience
Hours by Arrangement (One unit of credit is earned for each 75 hours of paid employment or 60 hours of volunteer work.) 1-4 units Grade Only

A program of on-the-job learning experiences for students employed in a job related to their major or their educational goals. The combined maximum credit for all work experience courses from all disciplines may not exceed 16 units. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

272 General Work Experience
Hours by Arrangement (One unit of credit is earned for each 75 hours of paid employment or 60 hours of volunteer work.) 1-3 units Grade Only

Limitation on Enrollment: Must obtain an Add Code from Work Experience Coordinator for enrollment.

A program of on-the-job learning experiences designed to assist the student in developing occupational effectiveness. Employment need not be related to a vocational or occupational major. This course may be taken for a maximum of six units. However, the combined maximum credit for all work experience courses from all disciplines may not exceed 16 units. Associate Degree Credit & transfer to CSU and/or private colleges and universities.