**INTERDISCIPLINARY STUDIES**
Division: Arts and Social Sciences

**IS-100**  
Survey of the Arts  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: ART-100, MUS-100, TD-100  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
In this course theatre, art, and music are explored through discussion, historical review, and contemporary issues. The purpose of this course is to increase students' understanding and enjoyment of the arts. The course is taught by three instructors, one from each discipline. (GR)

**IS-110**  
Introduction to Ethnic Studies  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
This course is an introduction to the historical experiences of selected ethnic minority communities in the United States which affect how minorities view themselves in relationship to the larger United States society. Exploration of such issues as affirmative action, differential educational needs, and cross-cultural learning and communication patterns will be studied. (GR)

**IS-120**  
Women of the Western World  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: WS-120  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course is an interdisciplinary course involving an overview of women's traditional roles in the western world; the history of the feminist movement, past and present; and an attempt to define the changing role of women in a diverse contemporary American society. Cross-cultural information about women's roles in other societies will be regularly introduced. (GC)

**IS-142**  
A History of Early Rock and Roll: Music and Culture of the 1950's  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: HIST-141, MUS-122  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course presents a historical overview of the emergence of rock and roll music as a cultural phenomenon in the U.S. The major figures of the 1950's—Bill Haley, Fats Domino, Elvis Presley, Chuck Berry, and Little Richard—will be studied alongside the major historical events and trends that shaped this decade. The course is designed to gradually develop a student's appreciation of this art form while simultaneously exposing the symbiotic interrelationship between rock and roll and American culture. The course will chart how rock and roll simultaneously reflects and affects society by grounding the key people, events, and songs within their historical context. (GC)

**IS-143**  
History of Rock and Roll: Music and Culture of the 1960's  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: HIST-142, MUS-123  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course charts the evolution of Rock and Roll music from the late 1950's through the 1960's, focusing on the history of the period as well as a detailed analysis of the stylistic development of this important musical genre. The course is designed to gradually develop students' appreciation for this art form while simultaneously exposing the symbiotic interrelationship between rock and American society. (GC)

**INTERIOR DESIGN**
Division: Arts and Social Sciences

**ID-150A**  
Interior Design Concepts  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: ART-150A  
Accepted For Credit: CSU  
In this introductory course, students analyze interiors using basic design concepts, principles, and techniques used by professional interior designers, and case studies in problem solving with an emphasis on residential interiors are presented. (GC)

**ID-150B**  
Interior Design  
36.00 hrs lecture, 72.00 hrs lab  
Units: 3.00  
Cross-referenced Course: ART-150B  
Prerequisite: ID-150A or ART-150A  
Accepted For Credit: CSU  
This course is a continuation of ID-150A. Interior design theories and methodologies are explored in depth through case studies emphasizing the design of public space. (GC)

**ID-151**  
Visualization and Presentation  
36.00 hrs lecture, 72.00 hrs lab  
Units: 3.00  
Cross-referenced Course: ART-151  
Accepted For Credit: CSU  
This course familiarizes students with current methods and materials used in the design industry to develop concepts and communicate ideas. Students will prepare projects for a design portfolio. (GC)

**ID-153**  
History of Decorative Arts  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: ART-153  
Accepted For Credit: CSU & UC  
Students study furniture construction, styles, and periods in conjunction with the architecture and related decorative arts of each era from ancient times to the present. This course includes political, religious, and cultural histories which significantly influenced these arts. (GC)

**Did you know?**
13 million students attended community colleges in the U.S. in Fall 2011, representing 45% of all undergraduate students in the U.S.  
Source: American Association of Community Colleges
Contemporary Home Design
36.00 hrs lecture
Units: 2.00
Cross-referenced Course: ART-154
Accepted For Credit: CSU
Students study the architectural history of home design and learn practical applications of information relating to design, construction methods, and economic practices. (GC)

Architectural Drafting for Interior Design
36.00 hrs lecture, 72.00 hrs lab
Units: 3.00
Cross-referenced Course: ART-155A
Advisory: Concurrent with ART-163, GA-163, or ID-163
Accepted For Credit: CSU
This course will introduce basic drafting techniques as related to architectural working drawings for interior design. Construction materials and procedures will be discussed. (GC)

CAD for Interior Design
36.00 hrs lecture, 72.00 hrs lab
Units: 3.00
Cross-referenced Course: ART-155B
Advisory: ID/ART-155A
Accepted For Credit: CSU
This course focuses on the fundamentals of computer-aided drafting as related to interior design and architectural drawings. Understanding CAD concepts and using commands are emphasized. Drawing skills are learned and developed by applying these concepts to solve practical laboratory problems. (GC)

Architectural Modelmaking for Interior Design
36.00 hrs lecture, 72.00 hrs lab
Units: 3.00
Cross-referenced Course: ART-156
Accepted For Credit: CSU
Scale models will be developed in this class for presenting and studying architectural interior spaces. A wide range of materials and processes will be explored. (GC)

Professional Practice for Interior Design
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: ART-157
This class introduces basic business practices for interior designers. It also includes an overview of career paths, business planning and organization, professional associations, marketing, sales, wholesale resource development, contractual obligations, and ethics. It is designed for people preparing to enter the field of interior design. (GC)

Textiles
36.00 hrs lecture, 72.00 hrs lab
Units: 3.00
Cross-referenced Course: ART-158
Accepted For Credit: CSU & UC
This is a comprehensive course in the study of textiles as related to interior design. Fiber and fabric construction and characteristics are examined; textile choices are evaluated and analyzed for safety, functionality, and aesthetics; and the impacts of textiles on interior environments are considered. Students gain an empirical understanding of the nature of textiles through hands-on projects in the laboratory component. (GC)

Applied Design: Residential Lighting
18.00 hrs lecture
Units: 1.00
Cross-referenced Course: ART-159A
Accepted For Credit: CSU
This seminar will present an overview of basic considerations necessary to plan, choose, and place lighting fixtures throughout a home to help define space, articulate atmosphere, direct attention, and facilitate activities. (GC)

Applied Design: Color for the Home
18.00 hrs lecture
Units: 1.00
Cross-referenced Course: ART-159B
Accepted For Credit: CSU
This seminar explores theoretical and experiential approaches to choosing color schemes for residences. (GC)

Digital Arts Lab – Macintosh
27.00 hrs lab
Units: 0.50
Cross-referenced Course: ART-163, GA-163
This course is a lab component for all courses taught on the Macintosh and on drafting equipment in these areas: Art, Graphic Arts/Computer Graphics, Photography, and Interior Design. Students will produce digital graphic and drafting projects for art related classes. (CR)

INT-101 Interpreting As a Career
18.00 hrs lecture
Units: 1.00
Accepted For Credit: CSU
This course gives students general information about the field of interpreting. Topics include history, definitions of interpreting, modes and methods, the need for interpreting, code of ethics, interpreting settings, and evaluation and certification of interpreters. (GC)

Discourse Analysis: ASL
54.00 hrs lecture
Units: 3.00
Prerequisite: Acceptance into the IPP
Accepted For Credit: CSU
This course is an overview of ASL discourse. Topics include discourse structure, language variation, genre, register, prosody, cohesion, turn-taking and backchanneling and gendered communication. Transcription conventions will be reviewed for noting language samples. (GR)

Interpreter Orientation
54.00 hrs lecture
Units: 3.00
Prerequisite: Acceptance into the IPP
Accepted For Credit: CSU
This course provides students with a working knowledge of the interpreting profession and examines basic principles and practices of interpreting. It also examines student strengths and weaknesses as they relate to interpreting and working with Deaf people as well as developing and assessing interpersonal skills needed for working in a practice profession. (GR)
INT-112  Comparative Linguistics: ASL and English  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: Acceptance into IPP  
Accepted For Credit: CSU  
This course is designed for first year Interpreting Program students. The syntactic structures of ASL are reviewed, followed by an in-depth study of English syntax as it relates to semantics and interpreting. (GR)

INT-115  Interpreting Preparation Skills  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Prerequisite: Acceptance into the IPP  
Accepted For Credit: CSU  
This course provides the theoretical basis for interpretation. The interpreting process is broken down into process parts, isolated, and then practiced. Skills include memory, discrimination, cloze, discourse analysis, content mapping, summarizing and paraphrasing skills. Expressive fingerspelling is also practiced. (GR)

INT-116  Discourse Analysis: English  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU  
This course is an overview of English discourse. Topics include discourse structure, language variation, genre, register, prosody, cohesion, turn-taking, and gendered communication. Transcription conventions will be reviewed for noting language samples. (GC)

INT-117  Ethics I  
18.00 hrs lecture  
Units: 1.00  
Accepted For Credit: CSU  
This course will focus on identifying and exploring students’ personal ethics and beliefs as well as those of the U.S. majority culture. (GC)

INT-145  Practicum: Deaf Mentorship  
243.00 hrs lab  
Units: 4.50  
Prerequisite: Completion of first semester IPP courses  
Accepted For Credit: CSU  
This course is designed to provide IPP students’ exposure to Deaf adults and the role of the interpreter in a variety of settings. Students may be provided the opportunity to do some low-risk interpreting. A weekly seminar is included to process experiences of practicum experience. (GR)

INT-147  Introduction to Interpreting for People Who Are Deaf/Blind  
36.00 hrs lecture  
Units: 2.00  
Accepted For Credit: CSU  
This course exposes students to background information about people who are Deaf-Blind including modes and principles of communication, aspects of the community, and guiding techniques. (GR)

INT-153  Interpreting: ASL to English  
72.00 hrs lecture, 108.00 hrs lab  
Units: 6.00  
Corequisite: INT-145, INT-147, INT-199A, INT-199B  
Accepted For Credit: CSU  
The focus of this course is interpreting from ASL into spoken English. Texts will be analyzed for language use and meaning and interpreted into English, both written and spoken. Consecutive and simultaneous interpreting will be studied and practiced. (GC)

INT-191A  ASL Interpreting Workshops  
18.00 hrs lecture  
Units: 1.00  
Prerequisite: Working interpreter experience; four semesters of ASL  
Accepted For Credit: CSU  
This course is a workshop for working interpreters covering selected topics in the field of sign language interpreting. The theme and content of each workshop varies and is determined by the faculty. (CR)

INT-191B  ASL Interpreting Workshops  
36.00 hrs lecture  
Units: 2.00  
Prerequisite: Working interpreter experience; four semesters of ASL  
Accepted For Credit: CSU  
This course is a workshop for working interpreters covering selected topics in the field of sign language interpreting. The theme and content of each workshop varies and is determined by the faculty. (CR)

INT-199A  Introduction to Multicultural Issues in Interpreting  
18.00 hrs lecture  
Units: 1.00  
Corequisite: INT-145, INT-147, INT-153, INT-199B  
Accepted For Credit: CSU  
This course introduces students to multicultural issues important to people working in a helping profession. Populations to be highlighted are American Indian/Native Americans, African American/Black, Asian and Pacific Islanders, and Latino. (GC)

INT-199B  Introduction to Oral Facilitation  
9.00 hrs lecture  
Units: 0.50  
Prerequisite: Students must be admitted to the Interpreter Preparation Program and have passed with a C or better all first semester courses. Working and Deaf interpreters with consent of instructor or department chair. Corequisite: INT-145, INT-147, INT-153, INT-199A  
Accepted For Credit: CSU  
This course introduces students to working with Deaf people who do not know sign language. Techniques for oral transmission of information will be covered. (GR)

INT-199C  Introduction to Medical Interpreting  
18.00 hrs lecture  
Units: 1.00  
Corequisite: INT-237, INT-240, INT-253, or instructor approval for working and Deaf interpreters  
Accepted For Credit: CSU  
This course introduces students to interpreting in the medical setting. Topics include the wide variety of situations and consumers in the setting, environmental considerations, interpersonal considerations, medical discourse, situational ethics, and resources. (GC)
<table>
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<tr>
<th>Course Code</th>
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<th>Hours</th>
<th>Prerequisites/Co-requisites</th>
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| INT-199D    | Introduction to Educational Interpreting K-12    | 1.00  | 18.00 | 9.00 hrs lecture<br>Corequisite: IPP students must be in their third semester classes and have passed all second semester courses with C or better. This course is also open to working interpreters. Deaf interpreters are welcome. Accepted For Credit: CSU  
|             |                                                  |       |       | An introduction to interpreting in the educational setting with a focus on elementary and secondary levels of education. Emphasis will be on child development through the years, resource development, team building, roles and responsibilities, communicating with children, and situational ethics. (GC) |
| INT-199E    | Introduction to Post-Secondary Interpreting      | 0.50  | 9.00  | 9.00 hrs lecture<br>Corequisite: IPP students must be in their second year; also open to working and Deaf interpreters with instructor approval  
|             |                                                  |       |       | Accepted For Credit: CSU  
|             |                                                  |       |       | This course is an introduction to interpreting in the post-secondary educational setting. The focus of this course is on the roles and responsibilities of the interpreter, language assessment, resource development, situational ethics, identifying demands and controls in the wide variety of post-secondary educational settings, and team building. (GC) |
| INT-199F    | Introduction to Social Service and Employment     | 0.50  | 9.00  | 9.00 hrs lecture<br>Prerequisite: INT-145, INT-147, INT-153, and INT-199A  
|             |                                                  |       |       | Corequisite: Students must be registered in all third semester courses: INT-227, INT-245, INT-253 and other INT-199 series courses. Working interpreters and Deaf Interpreters may join with instructor or Division Office approval. Accepted For Credit: CSU  
|             |                                                  |       |       | This course introduces students to interpreting in the social service and employment setting. Topics include the wide variety of situation and consumers in this setting, environmental, interpersonal considerations, vocabulary and discourse unique to these settings, situational ethics and resources. (GC) |
| INT-199G    | Introduction to Telephone and Video Relay Interpreting | 0.50  | 9.00  | 9.00 hrs lecture<br>Prerequisite: INT-227, INT-245, INT-253, and INT-199 series courses. Non-IPP students must have approval of instructor or program director. Corequisite: INT-263, INT-295, INT-299, and other INT-199 courses, BA-121A and BA-121B  
|             |                                                  |       |       | Accepted For Credit: CSU  
|             |                                                  |       |       | This course introduces students to interpreting using the telephone and video, interpreting remotely. Unique characteristics of this medium, strategies, discourse styles as well as environmental, interpersonal, paralinguistic and intra-personal considerations will be discussed. Ethics will also be considered. (GC) |
| INT-199H    | Introduction to Mental Health Interpreting       | 0.50  | 9.00  | 9.00 hrs lecture<br>Prerequisite: INT-245, INT-253, INT-227 and various INT-199 courses  
|             |                                                  |       |       | Corequisite: IPP students must be enrolled in other third and/or fourth semester courses. Working interpreters and Deaf interpreters must get approval of instructor or program director. Accepted For Credit: CSU  
|             |                                                  |       |       | This course introduces students to interpreting in the mental health setting. Topics include the wide variety of situations and consumers in the setting, environmental considerations, interpersonal considerations, mental health discourse, situational ethics and resources. (GC) |
| INT-199I    | Introduction to Deaf/Hearing Team Interpreting   | 0.50  | 9.00  | 9.00 hrs lecture<br>Prerequisite: INT-253  
|             |                                                  |       |       | Corequisite: INT-263, INT-295, INT-299, and other INT-199 courses. Deaf and working interpreters must have approval of instructor or program director. Accepted For Credit: CSU  
|             |                                                  |       |       | This course introduces students to working in teams with a hearing and Deaf interpreters. Topics include advocating for the use of Deaf/hearing teams, environmental and interpersonal considerations, team development, negotiating strategies of working together, and ethical and cultural considerations. (GC) |
| INT-227     | Ethics II: Interpreting Ethics and Decision-Making | 3.00  | 54.00 | 54.00 hrs lecture<br>Prerequisite: First unit course on personal ethics as well as INT-145, INT-147, INT-153, and 199A  
|             |                                                  |       |       | Corequisite: INT-245, INT-253, and courses offered in the INT-199 series  
|             |                                                  |       |       | Accepted For Credit: CSU  
|             |                                                  |       |       | Though lecture, discussion, and role play, this course will cover ethics as it relates to the field of sign language interpreting, the Code of Professional Conduct (CPC) from the Registry of Interpreters for the Deaf (RID), professional behavior, liability, and preparation for the ethical portion of the national RID exam. Demand-Control Schema (DCS) will be the lens used to determine effectiveness of actions taken by interpreters. (GR) |
| INT-245     | Phantom Interpreting                            | 1.00  | 54.00 | 54.00 hrs lab<br>Prerequisite: INT-145, INT-147, INT-153, and INT-199A  
|             |                                                  |       |       | Corequisite: INT-253, INT-227, and at least one of the INT-199 courses offered  
|             |                                                  |       |       | Accepted For Credit: CSU  
|             |                                                  |       |       | Students will apply knowledge gained in the first year courses by interpreting live situations on campus and in the community. Students will apply Demand-Control schema analysis of situations, assignment preparation. (GR) |
| INT-253     | Interpreting: English to ASL                    | 0.50  | 6.00  | 72.00 hrs lecture, 108.00 hrs lab<br>Prerequisite: INT-145, INT-147, INT-153, and INT-199A, and other courses in INT-199 series  
|             |                                                  |       |       | Accepted For Credit: CSU  
|             |                                                  |       |       | The focus of this course is interpreting from English into ASL. Texts will be analyzed for language use and meaning and interpreted into ASL. Consecutive and simultaneous interpreting will be studied and practiced. (GR) |
**JPN S-101 A**  Elementary Japanese  
90.00 hrs lecture, 18.00 hrs lab  
Units: 5.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course is a continuation of JPN S-101A with emphasis on the four areas of listening, speaking, reading, and writing in Japanese, as well as a greater in-depth study of Japanese culture. (GR)

**JPN S-102 B**  Intermediate Japanese  
90.00 hrs lecture, 18.00 hrs lab  
Units: 5.00  
Prerequisite: JPN S-102A  
Accepted For Credit: CSU & UC  
This course is a continuation of JPN S-102A with emphasis on the four areas of listening, speaking, reading, and writing in Japanese, as well as a greater in-depth study of Japanese culture. (GR)

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**INT-263**  Interpreting Across the Language Continuum  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Corequisite: INT-295, INT-299, and INT-199 series  
Accepted For Credit: CSU  
This focus of this course is to interpret and match a wide range of language varieties that exist in the Deaf community. Monologic and dialogic/interactive texts will be presented. Live and videotaped stimulus will be used. (GR)

**INT-295**  Interpreting Internship  
243.00 hrs lab  
Units: 4.50  
Prerequisite: Completion of three semesters of IPP courses  
C o-requisite: INT-263, INT-299, and various INT-199 courses  
Accepted For Credit: CSU  &  UC  
This course is designed to provide IPP students exposure to Deaf adults and the role of the interpreter in a variety of settings. Students may be provided the opportunity to do some low-risk interpreting. A weekly seminar is included to process experiences of practicum experience. (GR)

**INT-299**  Capstone Course  
54.00 hrs lab  
Units: 1.00  
Prerequisite: INT-227, INT-245, INT-253, and INT-199 series courses  
C o-requisite: INT-263, INT-295, and various INT-199 courses  
Accepted For Credit: CSU  
This is the final course of the IPP. Students will interpret analyze and present a piece of work for a panel. Students will also create their exit portfolio. (GR)

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## JAPANESE

Division: Language and Communication

**JPNS-101A**  Elementary Japanese  
90.00 hrs lecture, 18.00 hrs lab  
Units: 5.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
Introduction to speaking, understanding, reading, and writing Japanese. A communicative approach to the acquisition of the language with emphasis on the appreciation of the culture. (GR)

**JPNS-101B**  Elementary Japanese  
90.00 hrs lecture, 18.00 hrs lab  
Units: 5.00  
Prerequisite: JPNS-101A or two years of high school Japanese  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course is a continuation of speaking, understanding, reading, and writing Japanese. A communicative approach to the acquisition of the language with emphasis on the appreciation of the culture. (GR)

**JPNS-102A**  Intermediate Japanese  
90.00 hrs lecture, 18.00 hrs lab  
Units: 5.00  
Prerequisite: JPNS-101B or three years of high school Japanese  
Accepted For Credit: CSU & UC  
This course is a continuation of JPNS-101B with emphasis on the four areas of listening, speaking, reading, and writing in Japanese, as well as a greater in-depth study of Japanese culture. (GR)

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**JOU R-101 A**  Newswriting  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: ENGL-101A  
Accepted For Credit: CSU & UC  
This course trains students in newswriting techniques, interviewing, feature writing, ethics, and legal responsibilities. Online and broadcasting newswriting techniques are included. C-ID JOU R 110 (GR)

**JOU R-106**  Censorship and Literature  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: ENGL-106  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This literature course focuses on the issues of censorship and obscenity. Selected works will be closely examined in an attempt to encourage students to formulate their own standards in this controversial area. (GC)

**JOU R-146**  Photography/Graphic Arts Newspaper Staff  
9.00 hrs lecture, 27.00 hrs lab  
Units: 1.00  
Cross-referenced Course: ART-146  
Advisory: ART-106A or ART-133A  
Accepted For Credit: CSU  
Staff members initiate, plan, and complete photographic or graphic art assignments for publication in the college newspaper and/or magazine. Training emphasizes use of techniques and skills that communicate ideas effectively to a mass media audience. Photographers and artists have access to Macintosh computers, scanners, and PhotoShop for completion of assignments. Students are also introduced to legal and ethical responsibilities. JOU R-146 students are expected to produce one photo/graphic per issue. (GC)

**JOU R-147**  Photography/Graphic Arts Newspaper Staff  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Cross-referenced Course: ART-147  
Advisory: ART-106A or ART-133A  
Accepted For Credit: CSU  
Staff members initiate, plan and complete photographic or graphic art assignments for publication in the college newspaper and/or magazine. Training emphasizes use of techniques and skills that communicate ideas effectively to a mass media audience. Photographers and artists have access to Macintosh computers, scanners, and PhotoShop for completion of assignments. Students are also introduced to legal and ethical responsibilities. JOU R-147 students are expected to produce two photos or graphics per issue. (GC)
JOU-148  Photography/Graphic Arts Newspaper Staff
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Cross-referenced Course: ART-148
Advisory: ART-106A or ART-133A
Accepted For Credit: CSU
Staff members initiate, plan, and complete photographic or graphic art assignments for publication in the college newspaper and/or magazine. Training emphasizes use of techniques and skills that communicate ideas effectively to a mass media audience. Photographers and artists have access to digital cameras, Macintosh computers, scanners, and Photoshop for completion of assignments. Students are also introduced to legal and ethical responsibilities. JOU-148 students are expected to produce three photos or graphics per issue. This course is usually reserved for managers and editors. (GC)

JOU-155  Mass Media and Society
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: BRDC-155
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
We swim in an ocean of media. Our thoughts, beliefs, life choices, jobs, government, and shopping decisions are all influenced by the media. Most of us complain about it, but we wouldn’t turn the media off, even if we could. Yet we don’t know much about it. Who decides what messages get sent? What do the senders want? How do we process the messages? How does the technology work? Your media exposure will continue for the rest of your life. This class aims to make you a more informed, critical consumer. C-ID JOUR 100 (GR)

JOU-170  Newspaper Writing and Editing Staff
9.00 hrs lecture, 27.00 hrs lab
Units: 1.00
Advisory: Completion of, or concurrent enrollment in, JOU-101A
Accepted For Credit: CSU
Staff members gather information, write, and edit stories for publication in the college newspaper, the Monitor, and on the Monitor’s online edition. They also write columns and editorials. Working as a team, the staff plans and designs each issue. JOU-170 students are expected to contribute one story per issue. (GR)

JOU-171  Newspaper Writing and Editing Staff
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: Completion of, or concurrent enrollment in, JOU-101A
Accepted For Credit: CSU
Staff members gather information, write, and edit stories for publication in the college newspaper, the Monitor, and on the Monitor’s online edition. They also write columns and editorials. Working as a team, the staff plans and designs each issue. JOU-171 students are expected to contribute two stories per issue. (GR)

JOU-172  Newspaper Writing and Editing Staff
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Advisory: Completion of, or concurrent enrollment in, JOU-101A
Accepted For Credit: CSU
Staff members gather information, write, and edit stories for publication in the college newspaper, the Monitor, and on the Monitor’s online edition. They also write columns and editorials. Working as a team, the staff plans and designs each issue. JOU-172 students are expected to contribute three stories per issue. This course is usually reserved for managers and editors. (GR)

JOU-173  Magazine Writing and Editing Staff
9.00 hrs lecture, 27.00 hrs lab
Units: 1.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU
In this class, students write stories, take photos, make illustrations, design pages, and produce the yearly college magazine, Midnight. The class provides practical experience for Communication Arts majors and others considering careers in newspapers, magazines, online publications, or public relations. For all students, it offers insight into how a mass medium operates, its internal conflicts and external effects, as well as an opportunity to learn to write effectively and to work harmoniously with others. JOU-173 students are expected to contribute one story or graphic per issue. (GR)

JOU-174  Magazine Writing and Editing Staff
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU
In this class, students write stories, take photos, make illustrations, design pages, and produce the yearly college magazine, Midnight. The class provides practical experience for Communication Arts majors and others considering careers in newspapers, magazines, online publications, or public relations. For all students, it offers insight into how a mass medium operates, its internal conflicts and external effects, as well as an opportunity to learn to write effectively and to work harmoniously with others. JOU-174 students are expected to contribute two stories or graphics per issue. (GR)

JOU-175  Magazine Writing and Editing Staff
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU
In this class, students write stories, take photos, make illustrations, design pages, and produce the yearly college magazine, Midnight. The class provides practical experience for Communication Arts majors and others considering careers in newspapers, magazines, online publications, or public relations. For all students, it offers insight into how a mass medium operates, its internal conflicts and external effects, as well as an opportunity to learn to write effectively and to work harmoniously with others. JOU-175 students are expected to contribute three stories or graphics per issue. This course is usually reserved for managers and editors. (GR)

JOU-176  Advertising Staff
9.00 hrs lecture, 27.00 hrs lab
Units: 1.00
Accepted For Credit: CSU
This course offers practical experience in advertising production related to the student newspaper and magazine. Staff members sell and design ads, maintain regular accounts, and solicit new advertisers. JOU-176 students are expected to make one ad contact per week. (GR)

JOU-177  Advertising Staff
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Accepted For Credit: CSU
This course offers practical experience in advertising production related to the student newspaper and magazine. Staff members sell and design ads, maintain regular accounts, and solicit new advertisers. JOU-177 students are expected to make two ad contacts per week. (GR)
KIN-240 Introduction to Kinesiology  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
This course is designed to introduce students to the fields of physical education, exercise science, and allied health. The history and trends of physical education and the human movement sciences will be discussed. Also included in the course will be the career options covering areas such as exercise physiology, biomechanics, motor learning, sports pedagogy, sports sociology, and related areas in athletic training, sports management, and allied health. C-ID KIN 100 (GC)

KIN-241 College Success for Athletes  
36.00 hrs lecture  
Units: 2.00  
Cross-referenced Course: PD-241  
Accepted For Credit: CSU  
This course is designed for new student-athletes to assist with the adjustment to college level academics and athletics. The focus is on application of learning strategies, academic planning, time management, goal setting, transfer and eligibility guidelines, life skills and study skills. Additionally, this course will promote realistic expectations of college while understanding what is necessary to succeed as an intercollegiate athlete. (GC)

KIN-242 Sociology of Sport  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: SOC-142  
Accepted For Credit: CSU  
This course will examine the history of sport and its political, social, and economic impact on public opinion. This will include an investigation into the phenomenon of sport including cultural stratification, race, gender, education, economics, politics, and the mass media. (GC)

KIN-243 Sports Marketing  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: BA-143  
Accepted For Credit: CSU  
This course examines the application of the principles of promotion, sponsorship, sales, revenue, and marketing to the sport and fitness industry. The areas covered will include high school/collegiate athletics, professional sports, and the fitness club industry. (GC)

KIN-244 Sports Management  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: BA-144  
Accepted For Credit: CSU  
This course provides an overview of professional sport management in North America. The political, historical, social, economic, and cultural impacts of sport management are explored. Topics will include team management, organizational administration, legal issues, public relations, and facility management. Students will become familiar with career opportunities in the sports management field. (GR)

KIN-251 Fitness for Life  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
This class is designed for students who wish to understand methods of assessment for cardiovascular fitness, muscular strength and endurance, flexibility, body composition, nutrition, and stress level. These concepts can then be used as a basis for designing and implementing a personal fitness program and increasing awareness regarding enhanced quality of life. (GC)

KIN-256 Sports Performance Testing  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Cross-referenced Course: PTA-119  
Accepted For Credit: CSU  
This course covers assessment methods commonly used to evaluate athletic ability. It covers anaerobic testing methods used to establish baseline, normative, and developmental data. Testing for specific sports such as basketball, football, soccer, and tennis is also covered. (GR)

KIN-257 Prevention and Care of Athletic Injuries  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Advisory: ENGL-151B and BIOL-103A  
Accepted For Credit: CSU & UC  
This is a course designed to introduce basic care and prevention of athletic injuries. Concepts will include injury recognition, evaluation, management, and rehabilitation. The practical experience will include adhesive taping and protective padding techniques, determining vital signs, and emergency first aid procedures as applied to athletic injuries. (GR)
KIN-258  Exercise Prescription  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU  
This course is designed to introduce principles of exercise prescription and strength and conditioning. Topics will include exercise physiology, exercise prescription for special and general populations, free weight and machine exercise techniques, nutrition and weight management, biomechanical concepts, and safety issues related to fitness and strength training. This course will also prepare students for the Personal Trainer Examination. (GR)

KIN-381  Clinical Experiences in Athletic Training I  
54.00 hrs lab  
Units: 1.00  
Advisory: KIN-257  
Accepted For Credit: CSU  
This course provides students with practical exposure to the athletic training room setting. Students will observe and participate under direct supervision in the treatment, evaluation, and rehabilitation of student athletes injured during practices or competitions. Students will practice the application of athletic training techniques and procedures according to protocols established by the athletic trainer. (CR)

KIN-382  Clinical Experiences in Athletic Training II  
108.00 hrs lab  
Units: 2.00  
Advisory: KIN-257  
Accepted For Credit: CSU  
This course provides students with practical exposure to the athletic training room setting. Students will actively participate under direct supervision in the treatment, evaluation, and rehabilitation of student athletes injured during practices or competitions. Students will practice the application of athletic training procedures according to protocols established by the athletic trainer. (CR)

LEARNING SKILLS PROGRAM
Division: Counseling

LSP-101  Learning Skills: Writing Fundamentals  
54.00 hrs lecture, 18.00 hrs lab  
Units: 3.00  
This course assists Learning Disabled students in developing skills for the successful completion of English courses. Focus is on creating a more thorough understanding of grammatical concepts while strengthening basic writing skills. Compensatory techniques will be taught with an emphasis on multi-modal learning. Not applicable to associate degree. Repeatable = 5 times (GR)

LSP-102  Learning Skills: Quantitative Reasoning  
54.00 hrs lecture  
Units: 3.00  
This course assists Learning Disabled students in developing skills for the successful completion of math courses. Focus is on creating a more thorough understanding of math concepts through practice and multi-modal learning. Not applicable to associate degree. Repeatable = 5 times (GR)

LSP-103  Advanced Writing Fundamentals  
54.00 hrs lecture, 18.00 hrs lab  
Units: 3.00  
Prerequisite: Approval of DSPS counselor  
This course assists students with learning disabilities in building skills in English grammar and usage as needed for writing clear paragraphs and informal essays. Concentration is on raising the level of writing to that necessary for success in mainstream college composition classes. Not applicable to associate degree. Repeatable = 5 times (GR)

LSP-104  Reading Comprehension  
54.00 hrs lecture, 18.00 hrs lab  
Units: 3.00  
Prerequisite: Approval of DSPS counselor  
This course focuses on building reading competency for students with disabilities. The goal is to increase reading proficiency, vocabulary awareness and comprehension/retenion skills to the level needed to be successful in college literature and content courses. Not applicable to associate degree. Repeatable = 5 times (GR)

LSP-111  Job Seeking Skills  
18.00 hrs lecture  
Units: 1.00  
This course is for students who are Department of Rehabilitation (DoR) clients involved in the DoR/Ohline College WorkAbility III (WAIll) partnership. The course provides students with the skills necessary to seek and obtain employment. The course will discuss resume and cover letter writing, interviewing skills, ADA laws and employment rights, goals assessment, workplace behavior, and job retention. Students will complete a portfolio which includes a resume, cover letter, letters of recommendation, and sample application. Not applicable to associate degree. (CR)

LIBRARY SCIENCE
Division: Business, Technology, and Learning Resources

LS-101  Steps to Successful Research  
18.00 hrs lecture  
Units: 1.00  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
This course introduces students to the research process. Students choose a topic, design a research strategy, find and evaluate print and non-print sources relating to their topic and create an annotated bibliography as a final project. Students need access to a computer and basic computer literacy skills working in a Windows environment. (CR)

LS-151  Internet for Research  
9.00 hrs lecture  
Units: 0.50  
Cross-referenced Course: CS-151  
Advisory: ENGL-151A  
Accepted For Credit: CSU  
This course will focus on finding and evaluating information and learning resources on the Internet for academic research, and also cover the principles of Internet searching, strategies, and citation styles. (CR)
MATHMATICS
Division: Science, Technology, and Mathematics

MATH-101A Calculus with Analytic Geometry
90.00 hrs lecture
Units: 5.00
Prerequisite: MATH-188
Accepted For Credit: CSU & UC
This course includes review of functions and graphs, elements of analytic geometry, limits, continuity, differentiation of algebraic, trigonometric, logarithmic, exponential, and inverse trigonometric functions, applications of the derivative, and introduction to integration and some applications of the definite integral. C-ID MATH 210 (GR)

MATH-101B Calculus with Analytic Geometry
90.00 hrs lecture
Units: 5.00
Prerequisite: MATH-101A
Accepted For Credit: CSU & UC
This course includes techniques of integration, related applications, infinite series, an advanced treatment of conics, parametric equations, and polar coordinates. (GR)

MATH-101C Calculus with Analytic Geometry
90.00 hrs lecture
Units: 5.00
Prerequisite: MATH-101B
Accepted For Credit: CSU & UC
This course includes vector analysis, functions of several variables, partial derivatives, multiple integration, integration of vector valued functions, and applications. C-ID MATH 230 (GR)

MATH-103 Introduction to Linear Algebra
54.00 hrs lecture
Units: 3.00
Prerequisite: MATH-101B
Accepted For Credit: CSU & UC
This course includes an introduction to linear algebra including vector spaces, matrices, determinants, linear transformations, eigenvectors, techniques of solving systems of equations, and applications. C-ID MATH 250 (GR)

MATH-104 Differential Equations
90.00 hrs lecture
Units: 5.00
Prerequisite: MATH-101B
Advisory: MATH-101C and MATH-103
Accepted For Credit: CSU & UC
This course includes the study of the traditional topics in ordinary differential equations as well as series solutions, Laplace transforms, systems of equations, numerical methods, and selected applications. C-ID MATH 240 (GR)

MATH-111 Introduction to Matlab
54.00 hrs lecture
Units: 3.00
Prerequisite: MATH-101A
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
This course provides students with an introduction to the software package Matlab. Topics include programming, two and three dimensional graphing, data import and export, curve fitting, recursion, and applications to calculus. (GR)

MATH-151 Algebra I
90.00 hrs lecture
Units: 5.00
Prerequisite: MATH-191 or placement evaluation
This course includes the study of operations on algebraic expressions, linear equations and inequalities, graphs of linear equations, systems of equations, exponents, polynomials, factoring, and rational expressions. Not applicable to associate degree. (GR)

MATH-151A Algebra I (Part 1)
54.00 hrs lecture
Units: 2.50
Prerequisite: MATH-191 or placement evaluation
This course includes the study of operations using signed numbers, equations (two variables) and inequalities, graphs, and an introduction to systems of equations. The course emphasizes problem-solving skills. Not applicable to associate degree. (GR)

MATH-151B Algebra I (Part 2)
54.00 hrs lecture
Units: 2.50
Prerequisite: MATH-151A
This course includes exponents, polynomials, factoring, rational expressions, and applications. Not applicable to associate degree. (GR)

MATH-152 Algebra II
90.00 hrs lecture
Units: 5.00
Prerequisite: MATH-151; MATH-151A and MATH-151B; or placement evaluation
This course includes the study of systems of equations, relations, functions and their graphs, conic sections, exponential and logarithmic functions, arithmetic and geometric sequences and series, and the binomial theorem. (GR)

MATH-152A Algebra II (Part 1)
54.00 hrs lecture
Units: 2.50
Prerequisite: MATH-151; MATH-151A and MATH-151B; or placement evaluation
This course includes the study of functions, systems of linear equations, inequalities, radical expressions and equations, problem solving, and complex numbers. (GR)

MATH-152B Algebra II (Part 2)
54.00 hrs lecture
Units: 2.50
Prerequisite: MATH-152A or placement evaluation
This course includes the study of quadratic functions and equations, exponential and logarithmic functions, conic sections, sequences, series, sigma notation, and the binomial expansion. (GR)

MATH-153 Intermediate Algebra
54.00 hrs lecture
Units: 3.00
Prerequisite: MATH-151; MATH-151A and MATH-151B; or placement evaluation
This course includes the study of relations and functions and their graphs, quadratic equations, parabolas, exponential and logarithmic functions, and sigma notation. (GR)

2013-2014 OHLONE COLLEGE CATALOG
MATH-155 Math for the Associate Degree
54.00 hrs lecture
Units: 3.00
Prerequisite: MATH-151 or placement evaluation
This course meets the minimum general education mathematics requirement. The course uses the concepts of beginning algebra (Algebra I), problem solving skills, and analytical thinking to investigate areas such as consumer concerns, recreational math, probability, math in sports, statistics, geometry, trigonometry, and math in the work place. (GR)

MATH-156 Math for Liberal Arts
54.00 hrs lecture
Units: 3.00
Prerequisite: MATH-152, MATH-153, or placement evaluation
Accepted For Credit: CSU & UC
This course is designed for liberal arts and education students and uses the concepts learned in Intermediate Algebra. It is a survey course of college mathematics with emphasis placed on the nature of mathematics, problem solving, and thinking patterns. Topics covered will be selected from the areas of sets and logic, methods of proof, elements of probability and statistics, geometry, systems of numeration, math of finance, basic trigonometry and calculus, math history, and linear programming. (GC)

MATH-159 Introduction to Statistics
90.00 hrs lecture
Units: 5.00
Prerequisite: MATH-152, MATH-153, or placement evaluation
Advisory: ENGL-163
Accepted For Credit: CSU & UC
This course examines the elements of probability, binomial and normal distributions, measures of location, measures of variation, hypothesis testing, point and interval estimation, small sample tests, linear correlation, analysis of variance, and use of technology for statistical applications. (GR)

MATH-163 Discrete Mathematics for Computers
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: CS-113
Prerequisite: MATH-188
Advisory: MATH-101A and MATH-101B
Accepted For Credit: CSU & UC
This course is an introduction to discrete mathematics and its applications. Topics to be covered include logic, sets, relations, functions, combinatorics, graph and tree theory, Boolean algebra, proofs, and algorithms. Applications to computer studies and other related areas will be presented. (GC)

MATH-166 Finite Mathematics
72.00 hrs lecture
Units: 4.00
Prerequisite: MATH-152
Accepted For Credit: CSU & UC
This course includes the core concepts of set theory, systems of linear equations and inequalities, linear programming, matrices, math of finance with applications to business and social sciences, and an introduction to probability and decision making. (GR)

MATH-167 Calculus for Business and Social Science
90.00 hrs lecture
Units: 5.00
Prerequisite: MATH-152
Accepted For Credit: CSU & UC
This course includes the concepts of relations, algebraic, exponential and logarithmic functions, differential and integral calculus, functions of several variables and partial derivatives, with applications to business, finance, and the social sciences. (GR)

MATH-181 Trigonometry
54.00 hrs lecture
Units: 3.00
Prerequisite: MATH-152 or placement evaluation
Accepted For Credit: CSU
This course focuses on understanding the definitions and principles of trigonometry and their applications to problem-solving. (GR)

MATH-188 Pre-Calculus
90.00 hrs lecture
Units: 5.00
Prerequisite: MATH-181
Accepted For Credit: CSU & UC
This course is a review of the concepts and skills necessary for Calculus. The course includes the theory and graphing of elementary, exponential, and logarithmic functions; a review of trigonometry; systems of linear and quadratic equations; and an introduction to sequences and series. (GR)

MATH-190 Basic Mathematics
54.00 hrs lecture
Units: 3.00
This course includes a study of the arithmetic of whole numbers, fractions, and decimals; applications of arithmetic ratios, percents, word problems, and U.S. and metric systems of measurement; statistical graphs, measurement of central tendency and word problems employing those concepts. Not applicable to associate degree. (GR)

MATH-190A Basic Mathematics (Self-Paced)
27.00 hrs lecture
Units: 1.50
This self-paced course covers the arithmetic of whole numbers, integers, fractions, and decimals. Completion of MATH-190A and MATH-190B is equivalent to MATH-190. Not applicable to associate degree. (GR)
MATH-190B  Basic Mathematics (Self-Paced)
27.00 hrs lecture
Units: 1.50
Prerequisite: MATH-190A
This self-paced course covers ratios, proportions, percents, the U.S. customary and metric systems of measurement, statistical graphs, measurements of central tendency, and word problems employing those concepts. Completion of MATH-190A and MATH-190B is equivalent to MATH-190. Not applicable to associate degree. (GR)

MATH-191  Pre-Algebra
54.00 hrs lecture
Units: 3.00
Prerequisite: MATH-190, MATH-190B, or placement evaluation
This course includes a study of signed integers, fractions, and decimals; variables and problem-solving; and applications in geometry. Also, this course covers study skills. Not applicable to associate degree. (GR)

MATH-199  Success in Math
18.00 hrs lecture, 18.00 hrs lab
Units: 1.00
Corequisite: Concurrent enrollment in another Math class
This course is designed to assist students in learning mathematics through the development of successful study skills and exam taking methods. Students will also be provided with skills necessary to overcome any math anxieties they may have. This course addresses learning styles, reading math textbooks, completing homework assignments, and taking notes. Not applicable to associate degree. (GR)

MATH-365  Supervised Tutoring
90.00 hrs lab
Units: 0.00
Prerequisite: Instructor or counselor referral
This course provides students with individualized tutoring. It assists students to develop a learning methodology in a subject. It includes diagnosis and consultation with tutorial coordinator and supervised tutoring by part-time instructional aides and/or student tutors. Not applicable to associate degree. Repeatable = 5 times (NG)

**MULTIMEDIA**
Division: Arts and Social Sciences

MM-102A  Introduction to Multimedia
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Accepted For Credit: CSU
Explore technical, artistic, and creative ways to produce animations, images, and basic interactive multimedia projects using industry standard software such as Photoshop and Flash. Topics include typography, design principles, multimedia terminology, copyright issues, image and sound manipulation. (GC)

MM-103A  Introduction to Flash: Animation
4.50 hrs lecture, 13.50 hrs lab
Units: 0.50
Learn the essential tools in Flash for creating graphics, importing artwork and sound. Learn different techniques to produce animations for the Web. (GC)

MM-103B  Intermediate Flash: Interactivity
4.50 hrs lecture, 13.50 hrs lab
Units: 0.50
Prerequisite: MM-103A
Create interactive projects for the Web. Learn basic ActionScript to control the timeline, properties of symbols, and user input. Other topics include optimizing Flash movies for the Web and creating preloaders. (GC)

MM-104  Advanced Interactivity in Flash
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Advisory: MM-102A
Learn design principles and ActionScript, the powerful programming language in Flash, to add complex interaction to your projects. No prior programming experience is required; however, familiarity with Flash is essential. (GR)

MM-105  Web Site Design
54.00 hrs lecture, 54.00 hrs lab
Units: 4.00
Accepted For Credit: CSU
Students will learn design principles to create Web sites of their choice using the latest software applications. Students will also learn to analyze Web sites created in a wide range of fields and various cultures. Topics include CSS, typography, color, copyright issues, accessibility, contracts, digital imaging optimization, and techniques to display sound, animation and video. (GC)

MM-106  Advanced Web Site Design
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Prerequisite: MM-105
Learn advanced techniques in Web site design employing industry standard software like Dreamweaver, Photoshop, and Fireworks. This course focuses on CSS for layout, style, and navigation. Other topics include Web graphics, forms, Ajax within the Spry framework, dynamic image galleries, accessibility, and professional practices in Web site design. (GC)

MM-107  Introduction to Dreamweaver
4.50 hrs lecture, 13.50 hrs lab
Units: 0.50
This is an introductory course in creating Web pages using Dreamweaver software. Students will create Web sites that include graphics, tables, and basic CSS. (GC)

MM-108  Visual Communication
54.00 hrs lecture, 36.00 hrs lab
Units: 3.00
Cross-referenced Course: COMM-108
Accepted For Credit: CSU & UC
This course explores the fundamental elements of visual communication presented through lectures and applied through studio experiences. Examine the methods of visual communication from Gutenberg to Google, analyzing examples in a variety of visual forms including print (newspaper and magazine), graphics, illustrations, photographs, video, motion pictures, and digital media. (GR)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Lecture Hours</th>
<th>Lab Hours</th>
<th>Units</th>
<th>Prerequisite/Special Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MM-110</td>
<td>Digital Video for Web and DVD</td>
<td>54.00</td>
<td>54.00</td>
<td>4.00</td>
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<td></td>
<td>Cross-referenced Course: BRDC-110</td>
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<td>Advisory: MM-102A</td>
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<td>Accepted For Credit: CSU</td>
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<td>Students learn techniques to shoot, edit, and set the correct parameters to upload short videos to the Internet or create a DVD. Training in the use of digital cameras, microphones, lights, and video editing software. Topics include camera shots, transitions, composition, video file formats, compression, special effects, and producing videos for YouTube, Web sites, and DVD. (GR)</td>
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<td>MM-114</td>
<td>Textures for 3D</td>
<td>36.00</td>
<td>54.00</td>
<td>3.00</td>
<td>Advisory: MM-116 or MM-102A</td>
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<td>Accepted For Credit: CSU</td>
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<td>Students will learn different techniques to enhance 3D objects and environments using 3D modeling and 2D paint software. The topics covered are painting textures, light mapping, lighting techniques, camera shots, applying principles of art and design to 3D imagery, and rendering images for multimedia and print. (GC)</td>
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<td>MM-118</td>
<td>Introduction to Video Game Design</td>
<td>18.00</td>
<td>54.00</td>
<td>2.00</td>
<td>Advisory: ENGL-101A</td>
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<td>Accepted For Credit: CSU</td>
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<td>This class focuses on the process of planning, developing, and creating content for video games. Students will gain an understanding of the video game industry, and they will learn how to design characters, levels, and design documents. (GC)</td>
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<td>MM-119</td>
<td>Video Game Development</td>
<td>36.00</td>
<td>108.00</td>
<td>3.00</td>
<td>Prerequisite: MM-116 and MM-118</td>
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<td>Accepted For Credit: CSU</td>
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<td>Advisory: MM-114 and MM-115</td>
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<td>This class focuses on producing video games using 3D software and game engines. Students work in a team environment and follow production practices employed in the video game industry. (GC)</td>
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<td>MM-121A</td>
<td>3D Modeling</td>
<td>36.00</td>
<td>54.00</td>
<td>3.00</td>
<td>Advisory: CS-101</td>
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<td>Accepted For Credit: CSU</td>
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<td>Students will learn different techniques to model virtual objects and environments using 3D modeling software. The topics covered are designing characters, modeling, texture mapping, lighting techniques, camera shots, 3D scene layout, and rendering images for different multimedia applications. Introduction to basic 3D animation techniques may be covered. Simple animations may be created. (GC)</td>
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<td>MM-121B</td>
<td>3D Animation</td>
<td>36.00</td>
<td>54.00</td>
<td>3.00</td>
<td>Prerequisite: MM-121A</td>
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<td>Accepted For Credit: CSU</td>
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<td>Advisory: MM-102A</td>
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<td>This course will focus on the operation of 3D Computer Animation Software. Students will create their own 3D animations and present their work. The topics covered include storyboards, principles of animation, function curves, bones, introduction to inverse kinematics, camera motion, scene direction, and exporting animations in different file formats. (GC)</td>
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<td>MM-121C</td>
<td>Advanced 3D Modeling and Animation</td>
<td>36.00</td>
<td>54.00</td>
<td>3.00</td>
<td>Prerequisite: MM-121B</td>
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<td>Accepted For Credit: CSU</td>
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<td>Advisory: MM-102A</td>
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<td>Students will learn advanced techniques in modeling and animation using 3D animation software. The topics include advanced modeling tools, texture mapping, lighting and reflection effects, function curves, particle systems, camera effects, scene direction, adding sound, basic video editing, and advanced animation using inverse kinematics. (GC)</td>
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<td>MM-160</td>
<td>Multimedia Portfolio Development</td>
<td>36.00</td>
<td>54.00</td>
<td>4.00</td>
<td>Prerequisite: MM-105</td>
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<td>Accepted For Credit: CSU</td>
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<td>Advisory: MM-102B</td>
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<td>This course will focus on the development of student portfolios of their work for presentation on CD-ROM and the World Wide Web. Students will review the “cultures” of the multimedia industry, review job roles and responsibilities, go on field trips, and critique student work. (GC)</td>
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<td>MM-162</td>
<td>XHTML</td>
<td>36.00</td>
<td>108.00</td>
<td>4.00</td>
<td>Prerequisite: CS-162</td>
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<td></td>
<td>Accepted For Credit: CSU</td>
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<td></td>
<td>Advisory: CS-101, CNET 101, or CS-101A</td>
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<td></td>
<td>Students will use XHTML to create multimedia Web pages using hypertext links, tables, frames, forms, cascading style sheets (CSS), JavaScript, and JavaScript objects and events. Other topics Dynamic Hypertext Markup Language (DHTML) techniques, and working with eXtensible Markup Language (XML) and eXtensible Stylesheet Language (XSL). (GC)</td>
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</tbody>
</table>

**MUSIC**

Division: Arts and Social Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Lecture Hours</th>
<th>Lab Hours</th>
<th>Units</th>
<th>Prerequisite/Special Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS-100</td>
<td>Survey of the Arts</td>
<td>54.00</td>
<td></td>
<td>3.00</td>
<td>Cross-referenced Course: ART-100, IS-100, TD-100</td>
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<tr>
<td></td>
<td>Advisory: Eligible for ENGL-151B and ENGL-163</td>
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<td>Accepted For Credit: CSU &amp; UC</td>
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<td></td>
<td>In this course theatre, art, and music are explored through discussion, historical review, and contemporary issues. The purpose of this course is to increase students’ understanding and enjoyment of the arts. The course is taught by three instructors, one from each discipline. (GR)</td>
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<tr>
<td>MUS-101</td>
<td>Music Appreciation: Western Classical Music</td>
<td>54.00</td>
<td></td>
<td>3.00</td>
<td>Accepted For Credit: CSU &amp; UC</td>
</tr>
<tr>
<td></td>
<td>In this course concentrates on the development of an attentive style of listening, the introduction and systematic study of the building blocks of music, and enhancing awareness of the main musical styles of selected western cultures. (GR)</td>
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<tr>
<td>Course</td>
<td>Title</td>
<td>Units</td>
<td>Prerequisites</td>
<td>Corequisites</td>
<td>Additional Information</td>
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<tr>
<td>MUS-102</td>
<td>Music Appreciation</td>
<td>3.00</td>
<td>Eligible for ENGL-101A</td>
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<tr>
<td>MUS-103</td>
<td>Fundamentals of Music</td>
<td>3.00</td>
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<td>A survey of traditional and contemporary music from around the world including, but not limited to: Africa, India, Indonesia, South/Central America, Caribbean, Europe, China, Japan, and the United States. This course will deal with the traditional instruments and ensembles, as well as vocal techniques and performance practices particular to each region. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)</td>
</tr>
<tr>
<td>MUS-104</td>
<td>Music of World Cultures</td>
<td>3.00</td>
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<td></td>
<td>This course is an introductory course in music for students without previous formal training in music, listening, or performance. The course is designed to provide understanding and enjoyment through informed listening, analysis, and discernment of musical element, forms, and repertoire. The material selected is from all styles, periods, and cultures. (GR)</td>
</tr>
<tr>
<td>MUS-108</td>
<td>Songwriting</td>
<td>2.00</td>
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<td>This is an introductory course for students investigating the study of musical notation, keys, scales, chords, and ear training. (GC)</td>
</tr>
<tr>
<td>MUS-110A</td>
<td>Music Theory and Harmony</td>
<td>3.00</td>
<td>MUS-111A</td>
<td>MUS-111A</td>
<td>This course includes the study of major and minor scales, modal tonality, chord construction, rhythm meters, and the introductory analysis of diatonic harmony and non-harmonic tones. This course is the first in the four-semester theory sequence. (GR)</td>
</tr>
<tr>
<td>MUS-110B</td>
<td>Harmony</td>
<td>3.00</td>
<td>MUS-110A</td>
<td>MUS-111B</td>
<td>This course includes the study of diatonic harmony in major keys, major and minor triads and inversions, modulation, non-harmonic tones, and secondary dominants. The course includes writing for the piano using the phrase, period, and two- and three-part song form. This course is the second in the four-semester theory sequence. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)</td>
</tr>
<tr>
<td>MUS-110C</td>
<td>Advanced Harmony</td>
<td>3.00</td>
<td>MUS-110A and MUS-110B</td>
<td>MUS-111C</td>
<td>This course is a study of chromatic harmony with particular emphasis on the chronological development of harmonic and contrapuntal techniques from the 16th through the 19th centuries. This course is the third in the four-semester theory sequence. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)</td>
</tr>
<tr>
<td>MUS-110D</td>
<td>Advanced Harmony</td>
<td>1.00</td>
<td>MUS-110C</td>
<td>MUS-111D</td>
<td>This course develops facility in sight singing, ear training, and the ability to take musical-dictation. (GR)</td>
</tr>
<tr>
<td>MUS-111A</td>
<td>Musicianship I</td>
<td>1.00</td>
<td>MUS-110A</td>
<td>MUS-110A</td>
<td>This course is a study of chromatic harmony with particular emphasis on the chronological development of harmonic and contrapuntal techniques from the 16th through the 19th centuries. This course is the third in the four-semester theory sequence. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)</td>
</tr>
<tr>
<td>MUS-111B</td>
<td>Musicianship II</td>
<td>1.00</td>
<td>MUS-111A</td>
<td>MUS-110C</td>
<td>This course includes the study of diatonic harmony in major keys, major and minor triads and inversions, modulation, non-harmonic tones, and secondary dominants. The course includes writing for the piano using the phrase, period, and two- and three-part song form. This course is the second in the four-semester theory sequence. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)</td>
</tr>
<tr>
<td>MUS-111C</td>
<td>Musicianship III</td>
<td>1.00</td>
<td>MUS-111B</td>
<td>MUS-110D</td>
<td>This course includes the study of diatonic harmony in major keys, major and minor triads and inversions, modulation, non-harmonic tones, and secondary dominants. The course includes writing for the piano using the phrase, period, and two- and three-part song form. This course is the second in the four-semester theory sequence. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)</td>
</tr>
<tr>
<td>MUS-111D</td>
<td>Musicianship IV</td>
<td>1.00</td>
<td>MUS-111C</td>
<td>MUS-110D</td>
<td>This course includes the study of diatonic harmony in major keys, major and minor triads and inversions, modulation, non-harmonic tones, and secondary dominants. The course includes writing for the piano using the phrase, period, and two- and three-part song form. This course is the second in the four-semester theory sequence. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)</td>
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<tr>
<td>MUS-112A</td>
<td>Pro Tools 101</td>
<td>3.00</td>
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<td>Introduction to Pro Tools covers basic Pro Tools principles necessary to complete a Pro Tools project. Students are eligible to take AVID (Pro Tools 101) certification upon completion of this course. (GR)</td>
</tr>
</tbody>
</table>
MUS-112B     Pro Tools 110
54.00 hrs lecture, 18.00 hrs lab
Units: 3.00
Prerequisite: MUS-112A
Accepted For Credit: CSU
This course provides a more detailed look at the ProTools system. This course covers all the key concepts and skills needed to operate a Pro Tools system. (GR)

MUS-113        Studio Recording
54.00 hrs lecture, 18.00 hrs lab
Units: 3.00
Cross-referenced Course: BRDC-132
Accepted For Credit: CSU
This course is an introduction to the recording studio. The course follows the path of audio signals through the microphone, mixer, signal processors, digital audio workstation (DAW), and monitoring stations. The course explores various types of microphones, the functions of virtual mixing boards, the characteristics of plug-in signal processors, and recording techniques. (GR)

MUS-114        Create a CD
54.00 hrs lecture, 18.00 hrs lab
Units: 2.00
Accepted For Credit: CSU
This course covers post-recording CD creation and offers students a chance to learn and explore audio file editing and mastering. CD burning, MP3 ripping, and complete jewel box artwork. Audio source material will include CD tracks, MP3’s, and various analogue tape or phono recordings. Artwork will be created using Adobe Photoshop and Discus. (GC)

MUS-116        Sound Reinforcement and Live Recording
54.00 hrs lecture, 18.00 hrs lab
Units: 3.00
Advisory: MUS-112A
The lecture component covers basic techniques for live concert sound reinforcement, including basic sound system theory/applications and study of individual sound system component operation (microphones, mixers, effects, power amplifiers, speaker systems). Lab presents field opportunities for students to apply knowledge in concert situations. (GR)

MUS-121        The History of Jazz
54.00 hrs lecture, 18.00 hrs lab
Units: 3.00
Advisory: Eligible for ENGL-151B and ENGL-163
Accepted For Credit: CSU & UC
This course involves the study of jazz, its historical background, and its development in the world. The course is open to all students. (GR)

MUS-122     A History of Early Rock and Roll:
Music and Culture of the 1950’s
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: HIST-141, IS-142
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
This course presents a historical overview of the emergence of rock and roll music as a cultural phenomenon in the U.S. The major figures of the 1950’s—Bill Haley, Fats Domino, Elvis Presley, Chuck Berry, and Little Richard—will be studied alongside the major historical events and trends that shaped this decade. The course is designed to gradually develop a student’s appreciation for this art form while simultaneously exposing the symbiotic interrelationship between rock and roll and American culture. The course will chart how rock and roll simultaneously reflects and affects society by grounding the key people, events, and songs within their historical context. (GC)

MUS-123     History of Rock and Roll:
Music and Culture of the 1960’s
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: HIST-142, IS-143
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
This course charts the evolution of Rock and Roll music from the late 1950’s through the 1960’s, focusing on the history of the period as well as a detailed analysis of the stylistic development of this important musical genre. The course is designed to gradually develop students’ appreciation for this art form while simultaneously exposing the symbiotic interrelationship between rock and American society. (GC)

MUS-125     History of Rock and Roll:
Music and Culture Since 1970
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: HIST-143
Advisory: Eligible for ENGL-151B and ENGL-163
Accepted For Credit: CSU & UC
This course examines the development of popular music and its integration with general culture and society since 1970 and into the new millennium. It will include identification and analysis of art rock, disco, new wave, reggae, rap, hip-hop, worldbeat, and other musical genres. (GR)

MUS-160A     Beginning Class Piano
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Accepted For Credit: CSU & UC
This course consists of class piano lessons for beginners and students who wish to develop elementary skill at the keyboard. It is required for music majors and recommended for teaching credential applicants. It is also recommended for all students interested in learning the piano for fun. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

MUS-160B     Class Piano
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Advisory: MUS-160A
Accepted For Credit: CSU & UC
This course consists of class piano lessons for beginners and students who wish to develop elementary skill at the keyboard. It is required for music majors and recommended for teaching credential applicants. It is also recommended for all students interested in learning the piano for fun. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)
MUS-160C  Class Piano
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Advisory: MUS-160B
Accepted For Credit: CSU & UC
This course consists of intermediate level class piano lessons for students who wish to develop skill at the keyboard. It is required for music majors and recommended for teaching credential applicants. It is also recommended for all students interested in learning the piano for fun. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)

MUS-161A  Class Guitar
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Prerequisite: Demonstrate ability to read music for MUS-161A
Accepted For Credit: CSU & UC
This course is group instruction giving students the opportunity to learn song accompaniment, solo and ensemble experience playing the guitar. The literature represents all stylistic periods. Students must provide their own guitar. (GC)

MUS-160D  Class Piano
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Advisory: MUS-160C
Accepted For Credit: CSU & UC
This course consists of intermediate to advanced level class piano lessons for students who wish to develop skill at the keyboard. It is required for music majors and recommended for teaching credential applicants. It is also recommended for all students interested in learning the piano for fun. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)

MUS-161E  Class Guitar
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Prerequisite: Demonstrate ability to read music for MUS-161E
Accepted For Credit: CSU & UC
This course is group instruction giving students the opportunity to learn song accompaniment, solo and ensemble experience playing the guitar. The literature represents all stylistic periods. Students must provide their own guitar. (GC)

MUS-160F  Piano Repertoire
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Advisory: MUS-160D
Accepted For Credit: CSU & UC
This course consists of intermediate to advanced level class piano lessons for students who wish to develop skill at the keyboard. It is required for music majors and recommended for teaching credential applicants. It is also recommended for all students interested in learning the piano for fun. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)

MUS-161F  Class Guitar
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Prerequisite: Demonstrate ability to read music for MUS-161F
Accepted For Credit: CSU & UC
This course is group instruction giving students the opportunity to learn song accompaniment, solo and ensemble experience playing the guitar. The literature represents all stylistic periods. Students must provide their own guitar. (GC)

MUS-161C  Class Guitar
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Prerequisite: Demonstrate ability to read music for MUS-161C
Accepted For Credit: CSU & UC
This course is group instruction giving students the opportunity to learn song accompaniment, solo and ensemble experience playing the guitar. The literature represents all stylistic periods. Students must provide their own guitar. (GC)

MUS-162A  Class Voice — Beginning
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Advisory: MUS-160A
Accepted For Credit: CSU & UC
This course will offer group instruction in vocal production with emphasis on solo literature. Many common vocal problems will be identified and analyzed through classroom participation and discussion utilizing vocal literature and art songs. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

MUS-162B  Class Voice — Beginning
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Prerequisite: MUS-162A
Advisory: MUS-160A
Accepted For Credit: CSU & UC
This course will offer group instruction in vocal production with emphasis on solo literature. Many common vocal problems will be identified and analyzed through classroom participation and discussion utilizing vocal literature and art songs. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)
MUS-162C  Class Voice — Intermediate  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Prerequisite: MUS-162B  
Accepted For Credit: CSU & UC  

In this course students receive individual instruction in vocal performance with emphasis on solo and small ensemble literature. Students will practice correct tone production, diction, stage presence, and style interpretation. Vocal problems are identified and corrected while students study literature consisting of standard vocal repertoire. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

MUS-162D  Class Voice — Intermediate  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Prerequisite: MUS-162C  
Accepted For Credit: CSU & UC  

In this course students receive individual instruction in vocal performance with emphasis on solo and small ensemble literature. Students practice correct tone production, diction, stage presence, and style interpretation. Vocal problems are identified and corrected while students study literature consisting of standard vocal repertoire. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

MUS-162E  Vocal Repertoire  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Prerequisite: MUS-162D  
Accepted For Credit: CSU & UC  

In this course students receive individual instruction in vocal performance with emphasis on solo and small ensemble literature. Students practice correct tone production, diction, stage presence, and style interpretation. Vocal problems are identified and corrected while students study literature consisting of standard vocal repertoire. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

MUS-162F  Vocal Repertoire  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Prerequisite: MUS-162E  
Accepted For Credit: CSU & UC  

In this course students receive individual instruction in vocal performance with emphasis on solo and small ensemble literature. Students practice correct tone production, diction, stage presence, and style interpretation. Vocal problems are identified and corrected while students study literature consisting of standard vocal repertoire. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

MUS-163A  Woodwind Instruments  
(Flute, Saxophone, Clarinet, Oboe, Bassoon)  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  

This course involves class instruction on all orchestral-woodwind instruments. MUS-163A is open to all students. (GC)

MUS-163B  Woodwind Instruments  
(Flute, Saxophone, Clarinet, Oboe, Bassoon)  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  

This course involves class instruction on all orchestral-woodwind instruments. (GC)

MUS-163C  Woodwind Instruments  
(Flute, Saxophone, Clarinet, Oboe, Bassoon)  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  

This course involves class instruction on all orchestral-woodwind instruments. (GC)

MUS-163D  Woodwind Instruments  
(Flute, Saxophone, Clarinet, Oboe, Bassoon)  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  

This course involves class instruction on all orchestral-woodwind instruments. (GC)

MUS-163A  Woodwind Instruments  
(Flute, Saxophone, Clarinet, Oboe, Bassoon)  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  

This course involves class instruction on all orchestral-woodwind instruments. (GC)

MUS-163A  Percussion Instruments  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  

This course involves class instruction on all orchestral-percussion instruments. MUS-165A is open to all students. No experience is necessary. (GC)
MUS-165B  Percussion Instruments
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Advisory: MUS-165A
Accepted For Credit: CSU & UC
This course involves class instruction on all orchestral-percussion instruments. (GC)

MUS-165C  Percussion Instruments
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Advisory: MUS-165B
Accepted For Credit: CSU & UC
This course involves class instruction on all orchestral-percussion instruments. (GC)

MUS-165D  Percussion Instruments
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Advisory: MUS-165C
Accepted For Credit: CSU & UC
This course involves class instruction on all orchestral-percussion instruments. (GC)

MUS-166A  Applied Music
18.00 hrs lecture, 18.00 hrs lab
Units: 1.00
Accepted For Credit: CSU & UC
This course involves individual instruction in voice, piano, guitar, or other traditional orchestral instruments. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. Repeatable = 3 times (GC)

MUS-169A  Jazz Guitar
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Prerequisite: Some playing ability required
Accepted For Credit: CSU & UC
Various aspects of jazz guitar with special emphasis on improvisation and harmony are presented in group instruction. (GR)

MUS-169B  Blues/Rock Guitar
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Prerequisite: Previous playing experience
Accepted For Credit: CSU & UC
Blues/Rock improvisation and accompaniment. Group instruction includes lecture, demonstration, and in-class playing. (GR)

MUS-192  Music for Minors: Music Docent Training
45.00 hrs lecture, 2700 hrs lab
Units: 3.00
Advisory: Ability to keep beat and sing on pitch
This course provides training to teach the elements of music through active participation in a comprehensive music program for elementary school classrooms. It is required as the basic training for Music for Minors which provides a minimum of 1/2 hour weekly instruction in elementary classrooms for at least one school year. (GR)

MUS-351  Performance Ensembles
54.00 hrs lab
Units: 1.00
Prerequisite: Demonstrate ability to read music.
Accepted For Credit: CSU & UC
This course is the study and performance of vocal and/or instrumental ensemble literature, both jazz and classical. Performers participate in small ensembles of varied instrumentation throughout each semester. Attendance at scheduled public performances is required. This course is required of all instrumental music majors each semester of attendance. (GC)

MUS-352  Jazz/Rock Combos
54.00 hrs lab
Units: 1.00
Advisory: Ability to read music
Accepted For Credit: CSU & UC
This course includes sight-reading, preparation, performance, and recording of various styles of music composed and arranged for standard Jazz, Rock, Jump, Blues, and Latin ensembles. Emphasis is on groove playing and feel. Additional emphasis on improvising within the ensemble structure is a goal for each student. Student composition and arranging is encouraged. Repeatable = 3 times (GR)

MUS-352B  Advanced Jazz/Rock Combos
54.00 hrs lab
Units: 1.00
Accepted For Credit: CSU
Advanced live-performance workshop for all instrumentalists and singers. This class is a continuation of the concepts covered in MUS-352 with greater emphasis on soloing, arranging, music theory, and contemporary performance practices. Repeatable = 3 times (GC)

MUS-354A  String Techniques – Ohlone Chamber Orchestra
54.00 hrs lab
Units: 0.50
Prerequisite: Demonstrate ability to read music
Accepted For Credit: CSU & UC
This course involves class instruction on all string instruments. Repeatable = 3 times (GC)

MUS-355  College Chorus
54.00 hrs lab
Units: 1.00
Accepted For Credit: CSU & UC
This choir is a predominately campus (full-time student) organization for the beginning choral singer. It is a non-audition choir which performs with the Chorale and Symphonic Choir as well as its own performance opportunities. Repeatable = 3 times (GC)

MUS-356  Chamber Singers
54.00 hrs lab
Units: 1.00
Prerequisite: Audition
Accepted For Credit: CSU & UC
This course is an audition-only choir ensemble of trained community/campus singers who specialize in choral music from all eras of Western European music history. The choir is limited in size, but enrollment is open to all qualified singers. Attendance at all rehearsals and concerts is required. Repeatable = 3 times (GC)

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Did you know???
During 2012-2013 five Ohlone athletic teams made an appearance in the post-season (Men’s Basketball, Women’s Basketball, Women’s Soccer, Men’s Swimming, and Women’s Volleyball). Additionally, seven members of the Men’s Swim Team qualified for the State Championships, which equals the 19th consecutive year of Ohlone Swimming being represented at the State Championship Meet!
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credits Accepted</th>
<th>Prerequisites/Advisory</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS-358</td>
<td>Community Chorale</td>
<td>3.00</td>
<td>CSU</td>
<td>This course is a large, &quot;oratorio&quot; style choir designed for the campus/community singer. The course is non-audition choir for those interested in singing with a large ensemble. (GC)</td>
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<tr>
<td>MUS-369</td>
<td>Jazz, Rock, Pop, Blues Piano</td>
<td>4.00</td>
<td>CSU &amp; UC</td>
<td>This course is a basic techniques and forms study of the applied and improvisation techniques of Jazz, Rock, Pop, Fusion, and Blues piano. Some prior piano study and reading ability are advised, but beginners are welcome. Repeatable = 3 times (GR)</td>
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</tr>
<tr>
<td>MUS-370</td>
<td>Symphonic Band</td>
<td>3.00</td>
<td>CSU</td>
<td>This course includes the study and performance of large scale symphonic band literature. Emphasis will be placed on major composer repertoire, scored for an ensemble with multiple part duplication. Attendance at scheduled rehearsals and performances is required. Repeatable = 3 times (GC)</td>
<td></td>
</tr>
<tr>
<td>MUS-371</td>
<td>Mixed Wind Ensemble</td>
<td>1.50</td>
<td>CSU &amp; UC</td>
<td>This course introduces basic study skills necessary for student success in the Nursing and Allied Health program. Understanding test-taking format and practice tests with NCLEX type questions will be offered to improve student test-taking success. Not applicable to associate degree. (GC)</td>
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</tr>
<tr>
<td>MUS-374</td>
<td>Community Orchestra</td>
<td>1.50</td>
<td>CSU</td>
<td>This course features the study and performance of both chamber and full symphonic orchestra repertoire. The literature represents all stylistic periods. (GC)</td>
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<tr>
<td>MUS-380</td>
<td>Musical Theatre Workshop I (Principals)</td>
<td>1.00</td>
<td>CSU &amp; UC</td>
<td>This workshop is designed to familiarize and teach students the principles and complexities involved in the preparation and production of a dramatic musical performance. Specific instruction will be given in the movement and music for the leading members of the cast. Repeatable = 3 times (GC)</td>
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<tr>
<td>MUS-381</td>
<td>Musical Theatre Workshop II (Chorus)</td>
<td>2.00</td>
<td>CSU &amp; UC</td>
<td>This workshop is designed to familiarize and teach students the principles and complexities involved in the preparation and production of a dramatic musical performance. Specific instruction will be given in movement and music for members of the chorus. Repeatable = 3 times (GC)</td>
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<tr>
<td>MUS-382</td>
<td>Musical Theatre Workshop III (Instrumental)</td>
<td>1.00</td>
<td>CSU &amp; UC</td>
<td>This workshop is designed to familiarize and teach students the principles and complexities involved in the preparation and production of a dramatic musical performance from the perspective of the &quot;pit musician.&quot; Repeatable = 3 times (GC)</td>
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<tr>
<td>MUS-383</td>
<td>Madrigals</td>
<td>1.00</td>
<td>CSU</td>
<td>This course is an audition-only choir ensemble of trained community/campus singers who specialize in choral music from the &quot;show choir/vocal jazz choir&quot; repertoire. Repeatable = 3 times (GC)</td>
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</tbody>
</table>

**NURSING**

Division: Health Sciences and Environmental Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Credits Accepted</th>
<th>Prerequisites/Advisory</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR-117</td>
<td>Critical Thinking Development-Intensive</td>
<td>1.00</td>
<td>CSU</td>
<td>This course is designed for students concurrently enrolled in the Registered Nursing program. This course focuses on developing and/or enhancing critical thinking skills through improving online test-taking skills with assessment techniques and repetitive testing; virtual clinical excursions that integrate problem-solving and clinical prioritization; and application of theory to the clinical setting. Not applicable to associate degree. (GC)</td>
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<tr>
<td>NUR-118</td>
<td>Strategies for Success</td>
<td>2.00</td>
<td>CSU</td>
<td>The course will provide an introduction to the role of the registered nurse. Students will acquire critical thinking, time management, finance management, study and life skills necessary for RN student success. (GC)</td>
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<tr>
<td>NUR-119</td>
<td>Strategies for the RN Student</td>
<td>2.00</td>
<td>CSU</td>
<td>The course will provide an introduction to the role of the registered nurse. Students will acquire critical thinking, time management, finance management, study and life skills necessary for RN student success. (GC)</td>
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</tr>
</tbody>
</table>
NUR-301 Foundations of Nursing
54.00 hrs lecture, 135.00 hrs lab
Units: 5.50
Prerequisite: Admission to the Registered Nursing program
Accepted For Credit: CSU
Nursing 301 is the first course in the nursing sequence. Students are introduced to the theory and practice of nursing based on the adaptation model. The focus of this course is assessment of patients' physical and psychological adaptation to health and illness across the adult life span, including variations for the geriatric client. The health illness continuum is explored within the context of the health care delivery system. Common health problems in which adult and geriatric clients have developed adaptive responses are introduced. Students begin the socialization process into the role of the registered nurse. A special emphasis is placed on the nurse as communicator and critical thinker in a culturally diverse setting. The definition of cultural diversity includes ethnic, cultural and psychological effects in response to wellness, illness, health practices, and value systems among cultural groups. This course focuses on assessing, developing, implementing and evaluating a plan of care that respects the individual's cultural beliefs related to variations in concept of health and illness, use of health care delivery systems, communication differences and cultural variances in time, perception and personal space. Detailed objectives are written for each class and correlate with required preparation. Simulated practice of fundamental nursing skills in a multimedia setting and utilization of both high and low fidelity mannequins is included. Clinical application of both theory and skills occurs in the hospital. (GR)

NUR-302 Nursing Care of the Medical-Surgical Patient I
54.00 hrs lecture, 135.00 hrs lab
Units: 5.50
Prerequisite: Admission to the Registered Nursing program
Accepted For Credit: CSU
Nursing 302 is the second course in the nursing sequence. The focus of this course is advanced concepts in nursing care of the medical-surgical patient experiencing chronic physical and psychological changes related to cardiovascular, respiratory, endocrine-protective, and ingestion and elimination disorders. Issues surrounding chronicity and nursing care of high-risk population will be explored. Students are introduced to the nursing role with the pre-operative, intra-operative, and post-operative patient. Pharmacology is expanded in this course and addressed in each subsequent course. The course will focus on assessing, developing, implementing, and evaluating a plan of care that respects the individual's cultural beliefs related to health care practices of the multicultural individual experiencing chronic disease. Detailed objectives are written for each class and correlate with required preparation. Simulated practice of nursing skills is in a multimedia setting and utilization of high and low fidelity mannequins included. Clinical application of both theory and skills occurs in the hospital. (GR)

NUR-303 Nursing Care of Women and Children
72.00 hrs lecture, 216.00 hrs lab
Units: 8.00
Prerequisite: NUR-301
Accepted For Credit: CSU
Nursing 303 is the third course in the nursing sequence. The focus of this course is on the nursing process and adaptation model as it relates to the childbearing, child rearing family. The nursing roles of provider and manager of care, and member of the profession are explored in meeting the needs of patients in women's health care, labor and delivery, post-partum, the newborn nursery and pediatrics. Lecture classes are strongly augmented by discussion and extensive video and computer program components. The content includes pathophysiology, nursing implications of diagnostic tests, and related pharmacology. Students assess patients, identify nursing diagnosis, implement and evaluate nursing interventions to promote adaptive responses in women and children experiencing alternations in physiologic and psychosocial modes. The course focuses on assessing, developing, implementing and evaluating a plan of care that respects the individual's cultural and ethnic childbearing beliefs regarding perception of pregnancy, beliefs about labor and delivery and multicultural practices in the postpartum care of the mother and the newborn. Additionally, this course focuses on assessing, developing, implementing, and evaluating a plan of care that respects the individual's cultural beliefs related to childbearing practices that have an impact on the hospitalized child and his family; cultural responses to child abuse and the child with congenital anomalies; and multicultural education of families. Detailed objectives are written for each class and correlate with required preparation. Simulated practice of nursing skills in a multimedia setting with the use of intermediate and high-fidelity mannequins is included. Clinical application of both theory and skills occurs in the hospital and community setting. (GR)

NUR-304 Nursing Care of the Medical-Surgical Patient II
45.00 hrs lecture, 135.00 hrs lab
Units: 5.00
Prerequisite: Admission to the Registered Nursing program; NUR-303
Accepted For Credit: CSU
Nursing 304 is the fourth course in the nursing sequence. The focus of this course is advanced concepts in nursing care of the medical-surgical patient experiencing acute physical and psychological changes related to cardiovascular, respiratory, endocrine-protective, and ingestion and elimination disorders. Issues surrounding acute nursing care of high-risk population and the complexity of oncology nursing will be explored. Students will continue to learn the nursing role with the pre-operative, intra-operative, and post-operative patient. Pharmacology is expanded in this course and addressed in each subsequent course. The course will focus on assessing, developing, implementing, and evaluating a plan of care that respects the individual's cultural beliefs related to health care practices of the multicultural individual experiencing acute illness and disease. Detailed objectives are written for each class and correlate with required preparation. Simulated practice of nursing skills is in a multimedia setting and utilization of high and low fidelity mannequins included. Clinical application of both theory and skills occurs in the hospital. (GR)
NUR-305  Nursing Care of the Medical-Surgical Patient III
45.00 hrs lecture, 135.00 hrs lab
Units: 5.00
Prerequisite: NUR-303
Accepted For Credit: CSU
Nursing 305 is the fifth course in the nursing sequence. The focus of this course is on nursing care issues related to the advanced management of adult and geriatric patients with alterations in the cardiovascular, respiratory, endoprotective, elimination, and neuro/sensation modes. Critical thinking will be promoted by assisting the students to interrelate pathophysiology, nursing assessments, implications of diagnostic tests, pharmacology and medical treatments. Students will utilize the nursing process to develop a plan of care that respects the individual’s cultural beliefs and promotes adaptive responses in adult and geriatric patients experiencing complex physiological and psychological alterations of the cardiovascular, respiratory, renal, endoprotective, and neurological modes. Detailed objectives are written for each class and correlate with required preparation. Simulated practice of related skills in a multimedia setting and utilization of high fidelity mannequins is included. Clinical application of both theory and skills occurs in the acute care hospitals. (GR)

NUR-306  Nursing Care of the Mental Health Client and Advanced Gerontologic Care
36.00 hrs lecture, 162.00 hrs lab
Units: 5.00
Prerequisite: NUR-305
Accepted For Credit: CSU
Nursing 306 is the sixth course in the nursing sequence. The course focus is on comprehensive nursing care to promote adaptive communication and responses in mental health and geriatric clients. The nursing roles of provider and manager of care, communicator, teacher, and member of the profession are explored in meeting the needs of patients in community-based psychiatric and geriatric settings. Nursing skills will focus on assessments, communication, critical thinking, spiritual health and cultural diversity through the use of actual clinical situations and/or simulations or role-playing. The clinical setting provides a variety of interactional and practice situations with psychiatric and geriatric clients. Students will function in a leadership role during the geriatric clinical and will expand their knowledge of community-based nursing. This course will focus on assessing, developing, implementing and evaluating a plan of care that respects the individual’s cultural beliefs related to verbal and nonverbal behaviors, the mentally ill, and sources of stress among diverse ethnic groups that may lead to violence, substance abuse and mental illness. Detailed objectives are written for each class and correlate with required preparation. Simulated practice of nursing skills in a multimedia setting is included. Clinical application of both theory and skills occurs in the hospital and community settings. (GR)

NUR-307  Nursing Leadership and Preceptorship
18.00 hrs lecture, 216.00 hrs lab
Units: 5.00
Prerequisite: NUR-305
Accepted For Credit: CSU
Nursing 307 is the final course in the nursing sequence. The focus of this course is on nursing care and first level management skills in caring for groups of hospitalized patients. Emphasis is placed on team management skills in both acute care and gerontological settings. The registered nurse preceptor directly supervises the student under the guidance of the nursing faculty liaison. Professional development skills as well as current issues in nursing are discussed. This course focuses on managing groups of adults and geriatric patients with respect for the individual’s cultural beliefs related to health care practices. The definition of cultural diversity includes ethnic, cultural and psychological effects in response to wellness, illness, health practices and value systems among cultural groups. Detailed objective are written for each class and correlate with required preparation. Clinical application of both theory and skills occurs in hospital and gerontological health care facilities. (GR)

NUR-315  Clinical Skills Review
27.00 hrs lab
Units: 0.50
This nursing course provides supplemental instruction and enhancement of clinical skills obtained in previous nursing courses. Not applicable to associate degree. (CR)

NUR-316  Maternal-Newborn and Women’s Health Review
18.00 hrs lecture
Units: 1.00
Advisory: Student must be either current RN or enrolled in NUR-307
Nursing 316 is a review of obstetrical and newborn care, with an additional focus on women’s health. It is meant as a content review for the new nursing graduate who is preparing for NCLEX examinations, or the registered nurse who desires to reenter the profession. 1 C EU is available for RNs. Not applicable to associate degree. (CR)

PERSONAL DEVELOPMENT
Division: Counseling

PD-100  Transition to College
18.00 hrs lecture
Units: 1.00
Accepted For Credit: CSU
This course is designed for new students as an orientation to Ohlone and to college life in general. Students will become familiar with various aspects of Ohlone such as facilities, programs, services, policies, technology, and campus-wide issues. Additional topics that will be covered are study skills, academic expectations, diversity, health/wellness, and relationships. (GC)

Did you know???
Ohlone’s Respiratory Therapist program was recognized by the Commission on Accreditation for Respiratory Care (CoARC) for receiving the Distinguished RRT Credentialing Success Award! The CoARC considers the RRT credential a measure of a program’s success in inspiring its graduates to achieve their highest educational and professional aspirations.

2013-2014 OHLONE COLLEGE CATALOG
**PD-101 College Survival Techniques**  
9.00 hrs lecture  
Units: 0.50  
Accepted For Credit: CSU  
This course covers specific topics designed to help students succeed in college and to understand college life. The emphasis will be on effective learning strategies, problem solving, academic planning, and individual motivation. The theme and content of each class varies and is determined by the counseling faculty. (CR)

**PD-102 College Orientation for International Students**  
9.00 hrs lecture  
Units: 0.50  
Accepted For Credit: CSU  
This course is designed for new international students as an orientation to Ohlone College. This course covers specific topics designed to help international students transition to college and life in the U.S. Students will be familiar with the U.S. education system, college resources, and immigration regulations for F-1 Visa holding students. The theme and content of each class varies and is determined by the counseling faculty. (GC)

**PD-103 Transfer Success**  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
This course is designed for first-year students interested in transferring to a college or university, understanding the complex process and achieving student success. Students will learn about self-assessment; goal setting and motivation; critical thinking; degree options; university systems and requirements; transfer programs; education planning; the application process; planning financially; time management, as well as how to ensure a smooth transition. (GC)

**PD-105 College Success**  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
The goal of this course is to assist students in developing personal and academic skills needed to be successful in college and life. This course integrates personal growth, learning techniques, academic and career success, problem solving, critical and creative thinking. The course focus is on the following topics: self evaluation and assessment; goal setting; career decision making; educational planning; time and financial management techniques; instructor-student relationships; effective communication; cultural diversity; health maintenance; stress management; campus resources; learning styles and strategies including lecture note-taking, test taking, memory, and concentration. This course cannot be taken in conjunction with PD-111 or PD-113. (GC)

**PD-106 Strategies for Success in Math**  
18.00 hrs lecture, 18.00 hrs lab  
Units: 1.00  
Corequisite: MATH-151A  
This course covers specific topics designed to help students succeed in college. Additionally, students are assisted in adjusting to college life and identifying learning strategies, problem solving, academic planning, critical thinking and individual motivation. The theme and content of this course is designed to assist students in Math. Not applicable to associate degree. (GC)

**PD-111 Strategies for College Success**  
18.00 hrs lecture  
Units: 1.00  
Accepted For Credit: CSU & UC  
This course covers specific topics designed to help students succeed in college. Additionally, students are assisted in adjusting to college life and identifying learning strategies, problem solving, academic planning, critical thinking, and individual motivation. The theme and content of each class varies and is determined by the counseling faculty. (GC)

**PD-113 Strategies for Succeeding in College**  
36.00 hrs lecture  
Units: 2.00  
Accepted For Credit: CSU & UC  
This course helps students adjust to college. The focus is on the following topics: college expectations and opportunities; campus resources; learning styles and strategies including lecture note-taking, test taking, memory, and concentration; life management; goal setting; educational planning; health maintenance; cultural diversity; and relationships. This course integrates personal growth and academic success with problem solving and critical and creative thinking. The theme and content of each class varies and is determined by the Counseling faculty. This course cannot be taken in conjunction with PD-105 or PD-111. (GC)

**PD-120 Student Government Workshop**  
9.00 hrs lecture, 2700 hrs lab  
Units: 1.00  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU  
This course explores theories and practice of leadership (roles of leaders, group process, management by objectives, motivational psychology, administration of programs) through lecture, laboratory, student government meetings, and programs. It is recommended for student government officers, club officers, and individuals who want to participate in leadership roles. (GC)

**PD-149 Career Testing Workshop**  
9.00 hrs lecture  
Units: 0.50  
Advisory: Eligible for ENGL-151B and ENGL-163  
This is a practical course that will allow students to focus on self-exploration through the use of career assessment inventories. The course will assist students in establishing career and educational goals. The course is intended as an introduction to the career planning process and is offered in short course format. (CR)

**PD-150 Career Planning**  
36.00 hrs lecture  
Units: 2.00  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU  
This course will allow students to evaluate personal interests, skills, values, work styles, and experience and to relate them to the world of work. Students will also learn decision making, educational and career planning, locating career resources, job search strategies, and labor market awareness. The theme and content of each class varies and is determined by the Counseling faculty. (GC)
PHIL-100  Introduction to Philosophy  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
An introduction to philosophy, examining various philosophers, and enduring questions such as “What is Reality?” “Who am I?” and “What can I know?” (GC)  
PHIL-101  Ancient Philosophy  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course is an introduction to the development of Western philosophy through a study of its beginnings in ancient Greece. Thinkers considered include the Presocratics, Socrates, Plato, Aristotle, and post-Socrates such as the Stoics and Epicureans. C-ID PHIL 130 (GC)  
PHIL-102  Modern Philosophy  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course is an introduction to the history of modern philosophy. Thinkers studied include Descartes, Hobs, Locke, Berkeley, Hume, Kant, and contemporary philosophers. (GC)  
PHIL-104  Logic  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
This is an introductory course in formal deductive reasoning. Emphasis will be on modern symbolic logic. Topics discussed include truth-functional connectors, truth tables, natural deduction, and proof. C-ID PHIL 110 (GC)  
PHIL-106  Ethics  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
Advisory: Eligible for ENGL-101A  
This course is a general introduction to the N ew Testament. (GC)  
PHIL-107  Practical Reasoning  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
Advisory: Eligible for ENGL-101A  
This is a general introduction to the Hebrew Scriptures. Emphasis will be upon the history, literature, and religion of ancient Israel, using the findings of modern Biblical scholarship. (GC)  
PHIL-109A  Understanding the Old Testament  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
Advisory: Eligible for ENGL-101A  
This course is a secular survey of the religious and philosophical thought of the great Eastern religious traditions: Hinduism, Buddhism, Confucianism, and Taoism. Cultural backgrounds and historical development will be emphasized. (GC)  
PHIL-109B  Understanding the New Testament  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
Advisory: Eligible for ENGL-101A  
This course is a general introduction to the New Testament. Emphasis will be upon the use of modern scholarship to investigate the historical, literary, and religious background of the New Testament. (GC)  
PHIL-110  Introduction to Asian Religions  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
Advisory: Eligible for ENGL-101A  
This course is an introduction to philosophy, examining various philosophers, and enduring questions such as “What is Reality?” “Who am I?” and “What can I know?” (GC)
PHIL-112  Introduction to Western Religions
54.00 hrs lecture
Units: 3.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course is a secular comparative survey of major religious traditions of the Western World: Judaism, Christianity, Islam, etc. Cultural backgrounds and historical development will be emphasized. (GC)

PHIL-114  Introduction to Islam
54.00 hrs lecture
Units: 3.00
Accepted For Credit: CSU & UC
This course will offer a basic overview of the nature of Islam as a religion or system of life, its culture, and its impact on Muslim individuals and groups. The course will consider the basic sources of Islam and the history of the Islamic tradition. This is a non-secular course. (GC)

PHIL-116  Bioethics
54.00 hrs lecture
Units: 3.00
Advisory: ENGL-101A
Accepted For Credit: CSU
This course examines issues concerning biotechnology, medicine, and the ethical questions that are raised by the technology. Concepts studied include human and animal research, genetically modified organisms, genetic engineering, eugenics, stem cell research, and artificial biology. Ethical theory will also be examined as a groundwork for discussion of the issues covered. (GC)

PHIL-118  Latin American Philosophy
54.00 hrs lecture
Units: 3.00
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
This course will survey post-colonial thought in Latin America, including how European ideas have influenced Latin American philosophy, concepts of race, identity, community ethics; and the impact of Latin American philosophy on contemporary society. (GC)

PHYSICAL EDUCATION
Division: Kinesiology and Athletics

PE-300A2  Basketball
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course provides the student with an understanding of the fundamentals, rules, strategies, and skills of basketball. Game situations will also be covered. (GC)

PE-300C2  Advanced Basketball
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course is designed to further develop the techniques of the basketball player who has been taught the fundamentals, rules, and strategies of basketball. This course is recommended for those who have played basketball competitively. (GC)

PE-301A2  Volleyball
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This PE course is designed for students wishing to learn the fundamentals of volleyball. (GC)

PE-301B2  Intermediate Volleyball
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year; PE-301A2 or PE-301A3
Accepted For Credit: CSU & UC
This PE course is designed for students wishing to learn the intermediate strategies and skills of volleyball. (GC)

PE-301C2  Advanced Volleyball
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year; PE-301B2 or PE-301B3
Accepted For Credit: CSU & UC
This PE course is designed for students wishing to learn the advanced strategies and skills of volleyball. This course is recommended for the competitive volleyball player. (GC)

PE-303A2  Soccer
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course will instruct the student in the basic techniques of soccer. Basic skills, rules, and basic strategies will be covered. (GC)

PE-305C2  Advanced Softball
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course is designed to further the skills and understanding of each participant so that each might better perform the skills necessary to play the game of softball at a highly competitive level. A certain amount of physical fitness will also be obtained through the practice and participation in class. (GC)
PE-307C2  Advanced Baseball
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year; previous high school or college experience
Accepted For Credit: CSU & UC
This course is designed to improve skills and understanding of baseball fundamentals enabling the student to complete at the college level. Strategy and technique will be taught in non-competitive and competitive situations. Situational hitting and defense practice in game settings will also be stressed. (GC)

PE-315A2  Beginning Bowling
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course provides the student an understanding of the fundamentals of beginning bowling. (GC)

PE-315B2  Intermediate Bowling
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year; PE-315A2
Accepted For Credit: CSU & UC
This course is designed for students who wish to learn advanced bowling techniques. (GC)

PE-320A2  Basic Golf Skills
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course is designed to give the student an understanding of the fundamentals of the game of golf including grip, stance, swing, rules, etiquette, and knowledge of equipment. (GC)

PE-320A3  Basic Golf Skills
54.00 hrs lab
Units: 1.00
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course is designed to give the student an understanding of the fundamentals of the game of golf including grip, stance, swing, rules, etiquette, and knowledge of equipment. (GC)

PE-321  Small Group Golf Instruction
36.00 hrs lecture, 108.00 hrs lab
Units: 4.00
Accepted For Credit: CSU & UC
This course covers the fundamentals of golf technique including proper use of equipment, grip, stance, and swing. The course is broken into smaller groups for more effective learning and coaching. (GC)

PE-322A2  Golf: Chipping, Pitching, and Putting
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year; PE-320A2 or PE-320A3
Accepted For Credit: CSU & UC
This is an advanced golf class designed specifically to introduce the student to the skills required in the performance of chipping, pitching, and putting in order to lower their golf score. (GC)

PE-322A3  Golf: Chipping, Pitching, and Putting
54.00 hrs lab
Units: 1.00
Advisory: Medical check within the last year; PE-320A2 or PE-320A3
Accepted For Credit: CSU & UC
This is an advanced golf class designed specifically to introduce the student to the skills required in the performance of chipping, pitching, and putting in order to lower their golf score. (GC)

PE-323  Golf One on One
36.00 hrs lecture, 108.00 hrs lab
Units: 4.00
Advisory: Some existing golf experience
Accepted For Credit: CSU & UC
This course is designed to assist the golfer with swing improvement using the V1 PGA certified video system. The V1 system will allow the instructor to show the student various angles of their swing to identify their swing faults. Once faults are identified, the instructor will assign specific drills learned in the Small Group Instruction course to correct the faults. (GC)

PE-328  Golf Course Experience
36.00 hrs lecture, 108.00 hrs lab
Units: 4.00
Advisory: Prior golf experience recommended
Accepted For Credit: CSU & UC
This course is designed to help the student develop the proper shotmaking skills, help reduce stress and use positive feedback techniques while playing leisure and tournament golf. The student will also play various golf formats and establish a golf handicap. (CR)
PE-336A3  **Express Cardio**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course will use both circuit and group training formats in a 30-minute cardio blast. Designed for people with limited time, the course will require students to use a variety of cardio machines, jump ropes, BOSU, and calisthenics to elevate the heart rate and improve fitness. (GC)

PE-341A2  **Strength Training**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU  
This course is designed to assist the student in developing a strength and fitness program through the practical application of sound weight training techniques. (GC)

PE-341B2  **Intermediate Strength Training**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU  
This course is designed to assist the student with advanced strength training concepts and techniques for personal physical development and weight room independence. This course expands students' knowledge of progressive resistance (weight) training, with increased focus on free weights, thus increasing the variety and methods of training techniques. (GC)

PE-342A2  **Circuit Training**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This activity course is designed to increase flexibility, strength, and cardiovascular endurance through the practical application of circuit training. (GC)

PE-342A3  **Circuit Training**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This activity course is designed to increase flexibility, strength, and cardiovascular endurance through the practical application of circuit training. (GC)

PE-343A2  **Strength and Cardio Training**  
36.00 hrs lab  
Units: 0.50  
Accepted For Credit: CSU & UC  
This course provides students with an opportunity to create and practice an individualized fitness and wellness program through the use of cardiovascular equipment, circuit training, resistance machines, and free weights. (GC)

PE-343A3  **Strength and Cardio Training**  
54.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  
This course provides students with an opportunity to create and practice an individualized fitness and wellness program through the use of cardiovascular equipment, circuit training, resistance machines, and free weights. (GC)

PE-344A2  **Total Fitness**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course provides students with a structured total body workout designed to improve fitness and health through the use of cardiovascular equipment, circuit training, resistance machines, and free weights. (GC)

PE-344A3  **Total Fitness**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course provides students with a structured total body workout designed to improve fitness and health through the use of cardiovascular equipment, circuit training, resistance machines, and free weights. (GC)

PE-346A2  **Guts and Butts**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
Guts and Butts is a conditioning program emphasizing muscular strength, toning, and endurance for the abdominal, gluteal, and thigh muscle groups. (GC)

PE-346A3  **Guts and Butts**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
Guts and Butts is a conditioning program emphasizing muscular strength, toning, and endurance for the abdominal, gluteal, and thigh muscle groups. (GC)

PE-350A2  **Learning to Swim**  
36.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed for students who want to learn how to swim and become less fearful of the water. This course is also recommended for students wanting to become better swimmers. (GC)

PE-350A3  **Learning to Swim**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed for students who want to learn how to swim and become less fearful of the water. This course is also recommended for students wanting to become better swimmers. (GC)

PE-350D2  **Competitive Swimming**  
36.00 hrs lab  
Units: 0.50  
Advisory: Ability to swim 1200 yards in under 20 minutes; medical check within the last year  
Accepted For Credit: CSU & UC  
This course consists of a swimming workout consisting of progressively more difficult interval swimming. All four competitive strokes will be used throughout the semester. (GC)
PE-350D3  Competitive Swimming
54.00 hrs lab  
Units: 1.00  
Advisory: Ability to swim 1200 yards in under 20 minutes; medical check within the last year  
Accepted For Credit: CSU & UC  
This course consists of a swimming workout consisting of progressively more difficult interval swimming. All four competitive strokes will be used throughout the semester. (GC)  

PE-351A2  Aquatic Conditioning
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed for students who want to improve their swimming and conditioning skills. This course enables the students to become physically fit while minimizing the risk of injury to joints of the body. (GC)  

PE-351A3  Aquatic Conditioning
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed for students who want to improve their swimming and conditioning skills. This course enables the students to become physically fit while minimizing the risk of injury to joints of the body. (GC)  

PE-353B2  Intermediate Water Polo
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU  
This course is designed to teach students intermediate water polo skills and strategies. This course is highly recommended for students who wish to play water polo. (GC)  

PE-360A2  Badminton
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed to teach the student the basic fundamentals of badminton including rules and game strategy. (GC)  

PE-360A3  Badminton
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed to teach the student the basic fundamentals of badminton including rules and game strategy. (GC)  

PE-360B2  Intermediate Badminton
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year; PE-360A2 or PE-360A3  
Accepted For Credit: CSU & UC  
This course is designed to further develop the techniques and skill level of the badminton player. (GC)  

PE-360B3  Intermediate Badminton
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed to further develop the techniques and skill level of the badminton player. (GC)  

PE-362A2  Beginning Tennis
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed to teach the basic fundamentals, rules, and strategies pertaining to the game of tennis. (GC)  

PE-362A3  Beginning Tennis
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This PE course is designed for students to learn the fundamental and intermediate skills of tennis. Strategy sessions in singles as well as doubles play will also be covered. (GC)  

PE-362B2  Intermediate Tennis
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year; PE-362A2 or PE-362A3  
Accepted For Credit: CSU & UC  
This PE course is designed for students to learn the fundamental and intermediate skills of tennis. Strategy sessions in singles as well as doubles play will also be covered. (GC)  

PE-362B3  Intermediate Tennis
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year; PE-362A2 or PE-362A3  
Accepted For Credit: CSU & UC  
This PE course is designed for students to learn the fundamental and intermediate skills of tennis. Strategy sessions in singles as well as doubles play will also be covered. (GC)  

PE-366A3  Dance Aerobics
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
The student will maintain and improve cardiovascular fitness through the use of continuous rhythmic dance movements and strength building exercises. (GC)  

Photo courtesy of Don Jedlovec.
PE-372A Conditioning
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course is an aerobic type body conditioning class which includes stretching, step workout, abdominal development, and muscle toning exercises. (GC)

PE-372A3 Conditioning
54.00 hrs lab
Units: 1.00
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course is an aerobic body conditioning class which includes a cardiovascular workout, abdominal strengthening, muscle toning, and stretching exercises. (GC)

PE-372B2 Boot Camp
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course combines cardiorespiratory, strength, flexibility and core training into a back-to-basics approach to fitness. Body weight exercises, like sit ups, pushups, leg and abdominal strengthening, will be combined with cardiorespiratory exercises, like running and jumping rope, in intervals that will challenge you to your max. This is a no-nonsense approach to total body training that helps you reach your potential. (GC)

PE-372B3 Boot Camp
54.00 hrs lab
Units: 1.00
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course combines cardiorespiratory, strength, flexibility and core training into a back-to-basics approach to fitness. Body weight exercises, like sit ups, pushups, leg and abdominal strengthening, will be combined with cardiorespiratory exercises, like running and jumping rope, in intervals that will challenge you to your max. This is a no-nonsense approach to total body training that helps you reach your potential. (GC)

PE-374A3 Kickboxing
54.00 hrs lab
Units: 1.00
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course utilizes martial arts techniques including kicks, punches, blocks, and defenses in a cardio exercise program designed to aid in the prevention of verbal and physical attacks. (GC)

PE-375A2 Tai Chi
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This physical activity course is designed to focus on Tai Chi as a lifetime leisure activity. Tai Chi practice is suitable for all ages and levels of fitness. Benefits include stress reduction, improved balance and injury prevention through improvement in joint stability and increased range of motion. (GC)

PE-375A3 Beginning Tai Chi
54.00 hrs lab
Units: 1.00
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This physical activity course is designed to focus on Tai Chi as a lifetime leisure activity. Tai Chi practice is suitable for all ages and levels of fitness. Benefits include stress reduction, improved balance, and injury prevention through improvement of joint stability and increased range of motion. (GC)

PE-375B3 Intermediate Tai Chi
54.00 hrs lab
Units: 1.00
Advisory: Medical check within the last year
Accepted For Credit: CSU
This physical activity course builds upon the basic concepts learned in Beginning Tai Chi and explores Tai Chi as an ancient martial art form. Students will cultivate and implement a comprehensive personal Tai Chi practice as a lifetime fitness and leisure activity. Benefits of Tai Chi include stress reduction; improved balance and injury prevention through improvement in joint flexibility; increased range of motion; and a general sense of wellness. Tai Chi practice is modifiable for all ages and levels of fitness. (GC)

PE-376A2 Yoga
36.00 hrs lab
Units: 0.50
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course will explore the philosophies and positions related to yoga fundamentals. In addition, concepts of meditation will be introduced. (GC)

PE-376A3 Yoga
54.00 hrs lab
Units: 1.00
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course is designed to explore the philosophies and positions related to yoga fundamentals. In addition, concepts of meditation and stress management will be introduced. (GC)

PE-376B3 Fitness Yoga
54.00 hrs lab
Units: 1.00
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This course combines yoga and fitness principles in a unique blend that develops muscle endurance, strength, balance, flexibility and core stability through a series of exercises and traditional yoga poses. (GC)

PE-376C2 Yoga and Meditation
36.00 hrs lab
Units: 0.50
Accepted For Credit: CSU & UC
This course introduces the student to the basic principles and practices of yoga, including yogic breathing, positioning, and a holistic approach to a healthy mind and body. Various meditation techniques will be introduced and practiced with a focus on relaxation and stress reduction. (GC)

Did you know??

Community colleges offer associate degrees and short-term job training certificates in more than 175 fields, and approximately 25,000 apprentices are educated each year to meet the demand for a skilled workforce.

Source: California Community Colleges Chancellor’s Office
Yoga and Meditation
54.00 hrs lab
Units: 1.00
Accepted For Credit: CSU & UC
This class introduces the student to the basic principles and practices of yoga, including yogic breathing, positioning, and a holistic approach to a healthy mind and body. Various meditation techniques will be introduced and practiced with a focus on relaxation and stress reduction. (GC)

Pilates
36.00 hrs lab
Units: 0.50
Accepted For Credit: CSU & UC
This course will allow the student to increase strength, flexibility, stamina, and concentration through the use of floor exercises inspired by Joseph Pilates. This technique driven course will introduce positions and exercises such as the 100, Roll Downs, Table Top, and Roll Like A Ball. (GC)

Indoor Cycling
36.00 hrs lab
Units: 0.50
Accepted For Credit: CSU & UC
Indoor Cycling is a group exercise class performed on stationary bikes. An outdoor ride is simulated; students travel on flat roads, climb hills, sprint, and race. The workout is non-impact and provides every fitness level an excellent workout. This class will burn calories, improve endurance, strengthen the lower body, and relax the mind. (GC)

Indoor Cycling: Hills and Drills
54.00 hrs lab
Units: 1.00
Accepted For Credit: CSU
This course is an activity-based, group fitness course which involves continuous aerobic activity on indoor cycling bikes. Students will learn proper body positions and cycling safety and participate in rhythmic drills involving variable speed and resistance simulating hills and sprints. The emphasis is on improving cardiorespiratory endurance, lower body muscular strength, and endurance; stress management; and improved health and wellness. This course is appropriate for all fitness levels. (GC)

Indoor Cycling: Heart Rate Training
54.00 hrs lab
Units: 1.00
Accepted For Credit: CSU
Advisory: Medical check within the last year
This course involves continuous aerobic activity on indoor cycling bikes. Students will learn to calculate their personal target heart rate zones and will use heart rate monitors and training zones to personalize their workout. Students will learn proper body positions, indoor cycling techniques, cycling safety, methods for increasing intensity, and fitness training principles and theories. The emphasis is on improving cardiorespiratory endurance and lower body muscular strength and endurance in a challenging but fun environment. This course is appropriate for all fitness levels. (GC)

Body Sculpting
36.00 hrs lab
Units: 0.50
Accepted For Credit: CSU & UC
Advisory: Medical check within the last year
This physical activity course is designed to focus on total body conditioning to help the student reach his/her body's desired potential. Improve muscle strength and endurance, flexibility, core stability, and balance through the correct application of sound training principles. Instruction on components of fitness and wellness including nutrition, weight management, stress management, healthy lifestyles, body composition, and rest will be presented. (GC)

Adaptive Physical Education — Strength Training
36.00 hrs lab
Units: 0.50
Accepted For Credit: CSU & UC
Prerequisite: Statement from student's physician stating medical limitations
This course is designed to meet the student's individualized needs through physical activity. Instruction will primarily focus on the components of muscular strength and the necessity it brings for daily living. Repeatable = 5 times (GC)

Adaptive Physical Education — Aquatics
36.00 hrs lab
Units: 0.50
Accepted For Credit: CSU & UC
Prerequisite: Statement from student's physician stating medical limitations
This course is designed to meet the needs of the physically limited student in a physical education activity class. Individualized instruction for water safe disabled students. Repeatable = 5 times (GC)

Adaptive Physical Education — Aquatics
54.00 hrs lab
Units: 1.00
Accepted For Credit: CSU & UC
Prerequisite: Statement from student's physician stating medical limitations
This course is designed to meet the needs of the physically limited student in a physical education activity class. Individualized instruction for water safe disabled students. Repeatable = 5 times (GC)
### PHYSICAL THERAPIST ASSISTANT

Division: Health Sciences and Environmental Studies

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTA-101</td>
<td>Introduction to Physical Therapy</td>
<td>3.00</td>
<td>This course introduces students to the field of physical therapy by covering the history and ethics of the profession as they relate to the health care system. The course will cover the development of the team approach in health care delivery, philosophies of rehabilitation, patient relationships, and the psychosocial impact of illness and injury. Also emphasized is the scope of practice of the physical therapist assistant. Course content includes observational experiences in patient care settings. (GR)</td>
</tr>
<tr>
<td>PTA-102</td>
<td>Pathology</td>
<td>2.00</td>
<td>This course introduces common pathological conditions with emphasis on the musculoskeletal, circulatory, respiratory, gastrointestinal, and genitourinary systems. It includes the physical therapist assistant. Course content includes observational experiences in patient care settings. (GR)</td>
</tr>
<tr>
<td>PTA-103</td>
<td>Kinesiology I</td>
<td>3.00</td>
<td>This course deals with the biomechanical principles of the trunk and lower extremities. It includes the kinesiological functions of muscles and muscle groups. Clinical manifestations of muscle dysfunction are covered, as well as techniques for joint measurement. Assessment by manual muscle testing and gait analysis is also covered. (GR)</td>
</tr>
<tr>
<td>PTA-104</td>
<td>Kinesiology II</td>
<td>3.00</td>
<td>This course is a continuation of Kinesiology I and deals with the biomechanical principles of the cervical, upper extremities, and thoracic area of the body. It includes the kinesiological functions of muscles and muscle groups. Clinical manifestations of muscle dysfunction are covered, as well as techniques for joint measurement. Assessment by manual testing and activities of daily living are presented. (GR)</td>
</tr>
<tr>
<td>PTA-105A</td>
<td>Therapeutic Exercise I</td>
<td>3.00</td>
<td>This course teaches the use of exercise as a preventative and rehabilitative modality for the treatment of pathological conditions. Emphasis is placed on the design and application of exercise programs to improve, maintain, and offset the effects of various pathological conditions on the body. (GR)</td>
</tr>
<tr>
<td>PTA-105B</td>
<td>Therapeutic Exercise II</td>
<td>3.00</td>
<td>This course is a continuation of PTA-105A. The emphasis is on rehabilitation exercise programs, testing, and documentation. Programs on balance training, work hardening, water as rehabilitation medium, and specific orthopedic and amputee rehabilitation programs are demonstrated and discussed. (GR)</td>
</tr>
<tr>
<td>PTA-106</td>
<td>Orthopedics</td>
<td>2.00</td>
<td>This course presents the effects of disease and trauma on the musculoskeletal system and orthopedic problems encountered by the physical therapist assistant in the hospital and outpatient setting. Signs and symptoms, surgical intervention, treatment regimens, and implications for rehabilitation are all covered in this class. (GR)</td>
</tr>
<tr>
<td>PTA-108</td>
<td>Advanced Modalities</td>
<td>2.00</td>
<td>This course deals with specific advanced physical therapy procedures which are employed in the physical therapy clinic, including paraffin bath, various types of electrical stimulation (TNS, Micro Current, Interferential, Premodulated, Russian, Galvanic, Iontophoresis, and HFS), various light spectrum modalities (Ultra-violet and Infrared), and electromyography for biofeedback. (GR)</td>
</tr>
</tbody>
</table>

2013-2014 OHLONE COLLEGE CATALOG
PTA-109  Physical Therapy Through the Life Span  
27.00 hrs lecture, 27.00 hrs lab  
Units: 2.00  
Prerequisite: Admission to PTA program; PTA-105A, PTA-105B, and PTA-106  
Accepted For Credit: CSU  
This course will introduce students to the role of physical therapy treatment as it applies to the developmental process from gestation through aging. Emphasis is placed on neurodevelopmental techniques used for abnormal development in infants and children, as well as treatment protocols for patients with neurologic or musculoskeletal disorders. The aging process will be covered with concentration on the effects of exercise and activity on improving the quality of life of the individual. (GR)

PTA-110  Neurological Disorders  
27.00 hrs lecture, 27.00 hrs lab  
Units: 2.00  
Prerequisite: Admission to the PTA program; PTA-105A, PTA-105B, PTA-107A, and PTA-107B  
Accepted For Credit: CSU  
This course is intended to increase students' knowledge of the anatomy and physiology of the human nervous system including the central, peripheral, and autonomic nervous systems. Emphasis is placed on the clinical manifestations of disease or injury to the nervous system as it relates to the clinical picture of the physical therapy patient. (GR)

PTA-111  Advanced Procedures  
27.00 hrs lecture, 27.00 hrs lab  
Units: 2.00  
Prerequisite: Admission to PTA Program, PTA-101  
Accepted For Credit: CSU  
This course is a continuation of clinical procedures mastered in PTA-108, Advanced Modalities. This course is an introduction to the application of orthotic and prosthetic devices. Included in the course is a discussion and demonstration of the types of devices utilized in the treatment of the disabled individual, as well as procedures commonly used in the maintenance, donning, and removal of these devices. Students will learn how to instruct and prepare the patient to utilize this specialized equipment. Problem solving will be utilized in assisting students to apply standardized practices to meet individual patient needs. (GR)

PTA-119  Sports Performance Testing  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Cross-referenced Course: KIN-256  
Prerequisite: Acceptance to PTA program  
Accepted For Credit: CSU  
This course is intended to cover assessment methods commonly used to evaluate athletic ability. It will cover anaerobic testing methods used to establish baseline, normative, and developmental data. Testing for specific sports such as basketball, football, soccer, and tennis is also covered. (GR)

PTA-140  PTA Licensure Preparation  
54.00 hrs lab  
Units: 1.00  
This course is designed to assist students in preparation to sit for licensure as a physical therapist assistant. Content, scope, and format of both the National PTA Licensure Exam and the California PT Laws and Regulations Exam will be addressed. Additionally, test-taking skills, study skills, content review, and self-assessment exercises will be used to facilitate preparation for these examinations. Not applicable to associate degree. (CR)

PTA-301  Clinical Practicum I  
216.00 hrs lab  
Units: 4.00  
Prerequisite: PTA-106  
Corequisite: PTA-104, PTA-105A, PTA-108  
Accepted For Credit: CSU  
This course gives the student initial exposure to physical therapy treatment procedures in the clinical setting with patients experiencing disability of the peripheral and central nervous systems. Students will practice application of physical therapy procedures according to the protocols of the clinical facility. Students will learn the process of communication with patients and therapists. The clinical experience includes initial patient contact, patient set-up, and the administration of modalities under the auspices of the physical therapist clinical instructor. The practicum setting involves training in one or more physical therapy settings as designed by the instructor. (CR)

PTA-302  Clinical Practicum II  
216.00 hrs lab  
Units: 4.00  
Prerequisite: PTA-301  
Corequisite: PTA-105B, PTA-109, PTA-110  
Accepted For Credit: CSU  
This course is designed to teach students the necessary skills for physical therapy patient care and to build on the skills and knowledge learned in PTA-301. These skills include active, passive, and resistive exercise programs; continued practice in application of thermal-based modalities, gait, and transfer training. Students will collect and interpret clinical data and practice testing for strength, balance, and coordination. Students are expected to adjust patient treatment plans based on the test results and to communicate these to the Clinical Instructor for the purpose of modifying treatment plans. Students are required to complete a clinical in-service. Students will also learn about the clinical environment as it relates to patient referral patterns, time management, staff utilization, and clinical marketing. Laboratory experiences may include opportunities to practice in more than one setting as designed by the instructor. (CR)

PTA-303  Clinical Internship  
243.00 hrs lab  
Units: 4.50  
Prerequisite: PTA-302  
Corequisite: PTA-111, PTA-140  
Accepted For Credit: CSU  
This course is the culmination of all previous clinical experiences. Under the guidance of the clinical instructor, students will utilize knowledge gained in the previous four semesters to deliver physical therapy care to patients experiencing simple to complex diagnosis. Students will be expected to participate in the clinic setting by rendering modality treatments, work with patients on activities of daily living, initiate proper application of orthotic and prosthetic devices, and test and interpret results from functional and objective testing, as well as perform documentation and assist with discharge planning. Laboratory experiences may include training in more than one setting as designated by the instructor. (CR)
<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>PHYS-108</td>
<td>Survey of Physics</td>
<td>3.00</td>
<td>This is a general education course for non-science majors that gives a non-mathematical survey of physics, exploring the basic principles of mechanics, electromagnetism, quantum mechanics, relativity, and recent developments. Demonstrations are used extensively. (GC)</td>
</tr>
<tr>
<td>PHYS-120</td>
<td>Introduction to Physics I</td>
<td>4.00</td>
<td>This course is a study of Newtonian mechanics, energy and transformations, gases, liquids, and solids. Periodic motion and waves will also be studied. C-ID PHYS 105 (GR)</td>
</tr>
<tr>
<td>PHYS-120A</td>
<td>Introduction to Physics — Calculus Supplement</td>
<td>1.00</td>
<td>This is an introduction to basic concepts of Calculus with applications to Physics Mechanics. (GR)</td>
</tr>
<tr>
<td>PHYS-121</td>
<td>Introduction to Physics II</td>
<td>4.00</td>
<td>This course is a continuation of PHYS-120 and covers light and optics, electricity, magnetism, and modern physics. C-ID PHYS 110 (GR)</td>
</tr>
<tr>
<td>PHYS-121A</td>
<td>Introduction to Physics II — Calculus Supplement</td>
<td>1.00</td>
<td>This is an introduction to Calculus as applied to problems of electromagnetism. (GR)</td>
</tr>
<tr>
<td>PHYS-131D</td>
<td>Review of Physics Concepts</td>
<td>1.00</td>
<td>This is an introduction to study techniques and more in-depth discussions of physics principles and problem-solving. This course is designed to review the material covered in selected Physics course(s) taken concurrently. (CR)</td>
</tr>
<tr>
<td>PHYS-140</td>
<td>Mechanics</td>
<td>4.00</td>
<td>A mathematical introduction to vectors (projections, addition/subtraction, scalar and vector product) is offered as the necessary framework for calculations in Newtonian mechanics. The basic vector and scalar quantities used in the description of motion (position, displacement, velocity, and acceleration) are introduced first, allowing for a kinematical description of motion. Formulas are derived, involving the aforementioned quantities for one-dimensional motion as well as two-dimensional projectile and circular motion. Force and mass, momentum, work and impulse, kinetic and potential energy and momentum, (torque and moment of inertia) are analyzed conceptually and are used to build up the basic formulas from point-mass or extended rigid object dynamics (Newton’s laws of motion, work-energy and impulse-momentum theorem). Different types of motion and new types of forces are analyzed throughout the course using the new concepts (projectile motion due to gravitational force; circular motion due to tension, friction or normal forces; mass-pulley coupled motion problems; collisions due to contact forces; harmonic motion due to spring force; rigid object rotational motion and internal forces; general law of gravity and satellite motion; fluid statics and buoyant force; fluid motion due to pressure difference; and wave motion and superposition and interference of waves if time permits). C-ID PHYS 205 (GR)</td>
</tr>
<tr>
<td>PHYS-141</td>
<td>Electricity and Magnetism</td>
<td>4.00</td>
<td>This course is a study of electric and magnetic fields, simple DC and AC circuits, and electromagnetic waves. C-ID PHYS 210 (GR)</td>
</tr>
<tr>
<td>PHYS-142</td>
<td>Optics, Heat, and Modern Physics</td>
<td>4.00</td>
<td>A review of wave physics is offered to introduce physical optics (interference, diffraction, polarization) and to prepare for quantum physics. The basic principles of quantum physics (wave-particle duality, uncertainty principle, wave functions and probability interpretation, Schrodinger’s wave equation and quantification) are covered. Wave mechanical calculations are performed on a few simple systems (free and trapped electron, harmonic oscillator) in order to illustrate energy quantification and tunneling. In special relativity, the historical significance of speed of light measurements is discussed in order to understand Einstein’s postulates of special relativity and contrast them with Newtonian relativity. Then appropriate thought experiments are used to establish time dilation, length contraction, and relativistic expressions for Newton’s second law, momentum, acceleration, total kinetic energy. In geometrical optics, the laws of reflection and refraction and their application to optical instruments containing lenses and mirrors are covered. In thermal physics, the concept of temperature and its meaning in kinetic gas theory is highlighted. A phenomenological study of thermal energy transfer and of the laws of thermodynamics is offered. If time permits, a descriptive overview of the big bang theory is presented, incorporating results from elementary particle physics, nuclear and general relativity. Labs in wave physics and optics as well as in atomic physics are available. (GR)</td>
</tr>
</tbody>
</table>
**POLITICAL SCIENCE**

Division: Arts and Social Sciences

**PS-102**  **American Government**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course presents the nature of the constitutional government in America and the theory and practices of democracy. It emphasizes problems of individual rights, popular representation, and responsible leadership at the federal, state, and local levels. (GC)

**PS-103**  **International Relations**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course is an analytical study of the relations between nations. The nation-state system, international ethics, national capability components, the international struggle for power, the international struggle for order, and the future world order will be discussed. (GC)

**PS-104**  **Introduction to Political Theory**  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course will explore competing traditions in European and American political theory. It traces the impact of political thought on the development of classical and contemporary political institutions. This course will examine primary works in political thought while considering the nature and scope of politics. (GC)

**PS-105**  **Comparative Government**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course offers a comparative study of contemporary forms of governments, institutions, and political problems of selected national governments. (GC)

**PS-106**  **Constitutional Law and the United States**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: AJ-121  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU  
This course examines the development of judicial review and the evolving role of the U.S. Supreme Court through analysis of landmark decisions of the Court. In particular, this course will focus on a theoretical discussion exploring the plurality of methods of constitutional interpretation used by justices in the past and present. (GC)

**PSY-101**  **General Psychology**  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
Psychology is the scientific study of behavior and mental processes. The content focuses on the exploration of major psychological theories and concepts, methods, and research findings in psychology. Topics include the biological bases of behavior, perception, cognition and consciousness, learning, memory, emotion, motivation, development, personality, social psychology, psychological disorders and therapeutic approaches, and applied psychology. C-ID PSY 110 (GR)

**PSY-102**  **Introduction to Experimental Psychology**  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course is an introduction to the theory and application of the scientific method in the study of animal and human behavior. The emphasis is on experimental procedures and data collection, research design, data analysis, presentation, and research report writing. (GC)

**PSY-104**  **Murder in America**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: AJ-119  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU  
This course surveys the psychological and criminological aspects of murder in America, including serial killers, mass murderers, and terrorism. (GR)

**PSY-105**  **Child Development**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course examines the development of children from conception until just prior to adolescence. Course includes the study of prenatal, physical, cognitive, linguistic, social, and emotional development. Course examines many of the concerns and complex issues involved in this developmental period and considers the contexts in which they occur. (GC)

**PSY-106**  **Adolescent Development**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A; PSY-101  
Accepted For Credit: CSU & UC  
This course is a study of human development during adolescence with an emphasis on social, emotional, biological, intellectual, and personality development. This course includes a study of the many issues involved in this development period with special emphasis on the context in which they occur: family, peers, school, and culture. (GC)

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**Did you know??**

Attending or graduating from a community college doubles an individual’s chance of finding a job compared to those who failed to complete high school.  
Source: California Community Colleges Chancellor’s Office
PSY-108  Human Development
54.00 hrs lecture
Units: 3.00
Advisory: Eligible for ENGL-101A; PSY-101
Accepted For Credit: CSU & UC
This course provides an overview, from a psychological perspective, of human development from conception through death, including biological and environmental influences. Theories and research of physical, cognitive, personality, and social development are examined, as well as attention to developmental problems. (GC)

PSY-112  Social Psychology
54.00 hrs lecture
Units: 3.00
Advisory: PSY-101 and ENGL-101A
Accepted For Credit: CSU & UC
A scientific study of the ways in which individuals are affected by social situations. Current theory and research on interpersonal attraction, prejudice and discrimination, attitude change, power, leadership, and control will be examined. (GC)

PSY-115  Abnormal Psychology
54.00 hrs lecture
Units: 3.00
Prerequisite: PSY-101, ENGL-101A
Accepted For Credit: CSU & UC
This course introduces students to the major theoretical perspectives of psychopathology. It examines the categories of psychological disorders, their etiology, assessment of the disorders, current treatment methods, and possible causes of abnormal behavior. (GR)

PSY-120  Biological Psychology
54.00 hrs lecture
Units: 3.00
Prerequisite: PSY-101
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
This course introduces the scientific study of the biological bases of behavior and its fundamental role in the neurosciences. Physiological, hormonal, and neurochemical mechanisms and brain-behavior relationships underlying the psychological phenomena of sensation, perception, regulatory processes, emotion, learning, memory, and psychological disorders will be addressed. The course also notes historical scientific contributions and current research principles for studying brain-behavior relationships and mental processes. (GR)

PSY-139  Psychology in the Workplace
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: BA-139
Advisory: ENGL-101A, PSY-101
Accepted For Credit: CSU
This course applies principles of psychology to the workplace. Topics include combination skills, stress, cultural diversity, teamwork, understanding self and others, motivation, leadership, and other factors crucial to functioning effectively in the workplace. (GC)

REAL ESTATE
Division: Business, Technology, and Learning Resources

RE-117  Computer Applications in Real Estate
45.00 hrs lecture, 27.00 hrs lab
Units: 3.00
This course provides students with classroom and laboratory experience in computer applications and their use in the real estate industry. Students learn how computer applications and technology enhance one's ability to engage in real estate practices. Students use software programs to perform tasks in word processing, spreadsheet, presentation, database, project/time management, and Web page creation. Software in the areas of real estate finance, real estate appraisal, property management, and residential sales are demonstrated. Students learn about the different types of computer and hardware devices. Students will utilize the Internet as a research and marketing tool. (GR)

RE-121  Real Estate Principles
54.00 hrs lecture
Units: 3.00
Accepted For Credit: CSU
This is a fundamental real estate course covering basic laws and principles of California real estate. It provides background and terminology necessary for advanced study in specialized courses and is required in order to qualify for the real estate sales license examination. (GC)

RE-122  Real Estate Practice
54.00 hrs lecture
Units: 3.00
Prerequisite: RE-121 or a valid real estate license
Accepted For Credit: CSU
The day-to-day business of real estate including how to do listings, deposit receipts, open escrows, and obtain financing will be covered. This course is one of the required courses for the real estate salesperson license. (GC)

RE-124  Legal Aspects of Real Estate
54.00 hrs lecture
Units: 3.00
Prerequisite: RE-121 or valid real estate license
Accepted For Credit: CSU
This course is a study of California real estate law including rights incident to property ownerships and management, agency, contracts, and application of real estate transfer. Specific topics include conveyance, probate proceedings, trust deeds, foreclosure, and recent legislation governing real estate transactions. This course is one of the required courses for the broker's license examination. (GC)

RE-126  Real Estate Finance
54.00 hrs lecture
Units: 3.00
Prerequisite: RE-121, valid real estate license, or instructor's approval
Accepted For Credit: CSU
This real estate course covers the various types of lenders, their policies, and the market they serve. An in-depth analysis of the secondary market will be covered. This is one of the required courses for the broker's examination. (GC)
RE-128  
**Real Estate Appraisal**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: RE-121 or valid real estate license  
Accepted For Credit: CSU  
An introductory course covering the purposes of appraisals; the appraisal process; and the different approaches, methods, and techniques used to determine the value of various types of property. This is one of the required courses for the broker’s license examination. (GC)

RE-131  
**Mortgage Loan Brokering and Lending**  
54.00 hrs lecture  
Units: 3.00  
This course introduces students to the aspects of mortgage brokering operations including office setup, loan processing, lending regulations, types of loans, loan submission, quality control, FICO credit scoring, loan packaging, shipping, and mortgage math. (GC)

RE-132  
**Real Estate Economics**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: RE-121  
Accepted For Credit: CSU  
This is an introductory course in real estate economics covering principles from both general economics and real estate practice. It discusses basic economic background for real estate analysis, how real estate markets function, major influences on real estate development, and real estate investment activities. Important economic concepts such as the monetary policy and the fiscal policy are included. (GC)

RE-149  
**Real Estate Property Management**  
54.00 hrs lecture  
Units: 3.00  
Advisory: RE-121 or valid real estate license  
Accepted For Credit: CSU  
This course studies the day-to-day problems encountered by owners and managers of residential income properties. The application of sound business principles in the pursuit of operational effectiveness is emphasized. (GC)

RT-101  
**Principles of Respiratory Therapy I**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: ENGL-101A; MATH-153 or MATH-155; CHEM-109 or CHEM-106A; BIOL-103A  
Accepted For Credit: CSU  
This course presents basic theory and rationale for respiratory care. It includes the history and organization of respiratory therapy services, basic cardiopulmonary anatomy and physiology, medical gas therapy theory, and an introduction to pathophysiology. (GR)

RT-101 L  
**Beginning Clinical Practice**  
54.00 hrs lab  
Units: 1.00  
Corequisite: RT-101, RT-102, RT-103, and RT-145  
Accepted For Credit: CSU  
This course introduces students to the care of patients requiring respiratory therapy modalities. It also covers beginning level assessment skills, patient interviewing techniques, and the establishment and monitoring of therapeutic equipment systems. (CR)

RT-102  
**Beginning Laboratory**  
108.00 hrs lab  
Units: 2.00  
Prerequisite: MATH-153 or MATH-155; ENGL-101A; BIOL-103A; CHEM-109 or CHEM-106A  
Accepted For Credit: CSU  
This course provides laboratory practice of beginning-level therapist skills including administration of medical gases, medicated aerosols, and incentive spirometry techniques. (CR)

RT-103  
**Basic Patient Care**  
27.00 hrs lab  
Units: 0.50  
Prerequisite: Admission to the RT program  
Accepted For Credit: CSU  
This course provides simulated practice of patient care skills in a multimedia setting. (CR)

RT-104 A  
**Principles of Respiratory Therapy II**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: RT-101, RT-101L, RT-102, RT-103  
Accepted For Credit: CSU  
This course is designed to study theory related to intermediate level respiratory care skills including endotracheal intubation, management of artificial airways, humidity and aerosol therapy, beginning cardiac anatomy and physiology, and respiratory care pharmacology. (GR)

RT-104 B  
**Principles of Respiratory Therapy III**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: RT-101  
Accepted For Credit: CSU  
Theory related to analysis of cardiopulmonary assessment findings and cleaning and sterilization of respiratory care equipment. This course also includes study of additional fundamentals of respiratory physiology including assessment of oxygenation and hypoxia, beginning acid base balance, and arterial blood gas analysis. (GR)

RT-105 A  
**Intermediate Laboratory I**  
54.00 hrs lab  
Units: 1.00  
Prerequisite: Admission to the RT program; completion of semester 1 of RT program  
Accepted For Credit: CSU  
This course provides laboratory practice of intermediate-level therapist skills including chest assessment, hyperinflation therapy, chest physical therapy, and airway management. (CR)

RT-105 B  
**Intermediate Laboratory II**  
27.00 hrs lab  
Units: 0.50  
Prerequisite: RT-102  
Accepted For Credit: CSU  
This course provides laboratory practice of advanced techniques required in emergency and critical care settings within the laboratory confines. (CR)

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**RESPIRATORY THERAPIST**

Division: Health Sciences and Environmental Studies
RT-106 Intermediate Clinical Practice  
108.00 hrs lab  
Units: 2.00  
Prerequisite: Admission to the RT program; completion of semester 1 of RT program  
Accepted For Credit: CSU  
This is a supervised clinical experience course at area hospitals. It emphasizes the practice of beginning and intermediate-level problem-solving and technical skills including assessment, oxygen therapy, humidity and aerosol administration, and chest physical therapy; or hyperinflation therapy, airway management, and beginning artificial ventilation. (CR)

RT-107 Intermediate Clinical Practice  
216.00 hrs lab  
Units: 4.00  
Prerequisite: Admission to the RT program; completion of semester 1 of RT program  
Accepted For Credit: CSU  
This is a supervised clinical experience course at area hospitals. It emphasizes the practice of beginning and intermediate-level problem-solving and technical skills including assessment, oxygen therapy, humidity and aerosol administration, chest physical therapy, hyperinflation therapy, airway management and beginning artificial ventilation. (CR)

RT-108 Basic Principles of Respiratory Pathophysiology  
18.00 hrs lecture  
Units: 1.00  
Prerequisite: Admission to the RT program; completion of semester 1 of RT program  
Accepted For Credit: CSU  
This course emphasizes the principles of common pathophysiologic conditions encountered by respiratory therapy practitioners. (GR)

RT-130A Advanced Respiratory Therapy I  
45.00 hrs lecture  
Units: 2.50  
Prerequisite: RT-104A, RT-104B, and RT-108  
Accepted For Credit: CSU  
The focus of this course is the study of advanced respiratory care. The course includes invasive and non-invasive monitoring, hemodynamic monitoring systems, advanced arterial blood gas interpretation, x-ray, clinical laboratory and electrocardiogram interpretation, and carbon dioxide transport and monitoring. (GR)

RT-130B Advanced Respiratory Therapy II  
27.00 hrs lecture  
Units: 1.50  
Prerequisite: RT-130A  
Accepted For Credit: CSU  
This course presents concepts of advanced respiratory care with emphasis on recognition, interpretation, and treatment of cardiopulmonary anatomical and physiological alterations of the body as a consequence of disease or trauma. (GR)

RT-130L Advanced Clinical Practice  
108.00 hrs lab  
Units: 2.00  
Prerequisite: RT-131A  
Corequisite: RT-133  
Accepted For Credit: CSU  
This is a supervised clinical experience course at area hospitals. It emphasizes the practice of advanced-level technical skills including procedures employed in emergency care situations, artificial airway maintenance and discontinuance, arterial blood sampling measurements, and initiation and termination of mechanical ventilatory life support. (CR)

RT-131A Principles of Mechanical Ventilation I  
45.00 hrs lecture  
Units: 2.50  
Prerequisite: RT-104A, RT-104B, RT-105B  
Accepted For Credit: CSU  
This course presents the scientific basis for continuous mechanical ventilatory interventions employed in clinical practice of respiratory care with an emphasis on classification, selection, setup, maintenance, complications, adjuncts to and discontinuance of mechanical ventilatory life support. (GR)

RT-131B Principles of Mechanical Ventilation II  
45.00 hrs lecture  
Units: 2.50  
Prerequisite: RT-131A  
Accepted For Credit: CSU  
This course builds on the foundation of Mechanical Ventilation already learned. Therapeutic interventions, complications and effects, discontinuation, and special techniques of mechanical ventilation will be presented. (GR)

RT-132 Advanced Laboratory  
54.00 hrs lab  
Units: 1.00  
Prerequisite: RT-104A and RT-104B  
Corequisite: RT-130A  
Accepted For Credit: CSU  
This course provides laboratory practice of advanced respiratory therapy skills including establishment, stabilization, maintenance, and discontinuation of endotracheal and tracheotomy tubes; arterial blood sampling techniques; radiographic and electrocardiogram interpretation; and invasive and non-invasive monitoring. (CR)

RT-133 Mechanical Ventilation Laboratory  
108.00 hrs lab  
Units: 2.00  
Prerequisite: RT-131A  
Accepted For Credit: CSU  
This course provides laboratory practice of advanced skills related to the safe application and initiation of mechanical ventilation. Students will become familiar with multiple neonatal and adult mechanical ventilators as well as gain an increased understanding of the various modes offered. (CR)

RT-134 Neonatal and Pediatric Respiratory Care  
18.00 hrs lecture  
Units: 1.00  
Prerequisite: Admission to the RT Program; completion of first two semesters of RT Program; BIOL-103B, BIOL-106, and PHYS-108  
Accepted For Credit: CSU  
This course addresses fetal development and special problems in the adaptation of respiratory care procedures and techniques to the needs of the neonatal and developing child. (GR)

RT-134L Clinical Practicum in Neonatal and Pediatric Respiratory Care  
81.00 hrs lab  
Units: 1.50  
Prerequisite: RT-134  
Accepted For Credit: CSU  
This course offers clinical application of respiratory care procedures and techniques to the ill neonate and developing child. (CR)
RT-135  **Computer Simulation for Respiratory Care**  
27.00 hrs lab  
Units: 0.50  
Prerequisite: Admission to the RT program; completion of semesters 1, 2, and 3 of RT program  
This course prepares students for the Respiratory Care National Board Clinical Simulation Examination which requires specialized knowledge in solving patient management problems written in a branching logic format. Students will practice basic computer skills involving data entry and retrieval. (GR)

RT-136  **Critical Care Clinical Practice**  
189.00 hrs lab  
Units: 3.50  
Prerequisite: RT-130L  
Accepted For Credit: CSU  
This is a supervised clinical experience course at area hospitals. Advanced level respiratory care skills including cardiopulmonary assessment, management, evaluation, and decision-making processes involved in the care of the ICU patient are emphasized. Students in this course practice as a member of the hospital health care team. (GR)

RT-137  **Home Respiratory Care and Pulmonary Rehabilitation**  
9.00 hrs lecture  
Units: 0.50  
Prerequisite: Admission to the RT program; completion of semesters 1, 2, and 3 of RT program  
Accepted For Credit: CSU  
This course provides an overview of the respiratory therapists involvement in the home care industry and rehabilitation of the patient coping with chronic cardiopulmonary disease. Decision making, formulation of care plan, and patient teaching are emphasized in this course. (GR)

RT-138  **Specialty Rotations in Respiratory Care**  
27.00 hrs lab  
Units: 0.50  
Prerequisite: RT-130A  
Accepted For Credit: CSU  
This is a supervised clinical experience course at area home care establishments, local hospitals, and pulmonary physicians’ office. Students will have the opportunity to select experiences that match their interests including individual rotations with physicians, participation in ongoing pulmonary rehabilitation programs, and visitation of patients receiving respiratory home care. (CR)

RT-139  **Pulmonary Function Testing**  
18.00 hrs lecture  
Units: 1.00  
Prerequisite: Admission to the RT program  
Accepted For Credit: CSU  
This course provides an in-depth survey of various pulmonary laboratory methods to detect the presence and degree of respiratory impairment/disease. (GR)

rt-139L  **Clinical Practice in Pulmonary Function Testing**  
27.00 hrs lab  
Units: 0.50  
Corequisite: RT-139  
Accepted For Credit: CSU  
This course provides supervised clinical experience at area hospitals. Various pulmonary laboratory methods for detecting the presence of respiratory impairment/disease are emphasized. (CR)

RT-145  **Cardio-Pulmonary Resuscitation (CPR)**  
Basic Life Support (BLS)  
9.00 hrs lecture  
Units: 0.50  
Prerequisite: The student should have the ability to read and understand the American Heart Association CPR manual. The student should have the physical ability and stamina to perform the CPR skills. Admission to the RT/RN/PTA Program.  
This course meets the American Heart Association requirements for Basic Life Support CPR training for health care providers. (GR)

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**SOCIETY**

Division: Arts and Social Sciences

**SOC-101 Introduction to Sociology**  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course is an exploration of our culturally diverse society from a multi-perspective approach. Systematic study of social human behavior and human groups with an emphasis on the influence of social relationships on people’s attitudes, behaviors, and how societies are established and changed. C-ID SOCI 110 (GC)

**SOC-102 Social Problems of a Diverse Society**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course analyzes the nature and characteristics of social problems within the context of sociological theory. The course examines four major areas of social problems. First, it explores social problems of behavioral deviance, such as those related to sexual behavior, alcohol and drugs, violence, and crime. Second, it examines social problems of inequality, including economic, racial/ethnic, gender, and sexual orientation inequalities. Third, it looks at problems of social institutions, such as problems situated in government, work, education, health care, and the family. Fourth, it analyzes global social problems, including those related to the environment, war, and urbanization. This course introduces theoretical frameworks for understanding the causes and effects of these problems, as well as potential solutions for these problems. C-ID SOCI 115 (GC)

**SOC-103 Social Science Research Methods**  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course introduces students to research methods used in the social sciences. It examines critical issues and techniques in research design, data collection, and data analysis. It also investigates the ethical responsibilities of social science researchers. This course contains a lab component that provides students with practical experience in evaluating and conducting social science research. (GC)
Did you know???

28% of University of California and 55% of California State University graduates started at a California community college.

Source: California Community Colleges Chancellor’s Office
SPCH-101  Introduction to Public Speaking  
54.00 hrs lecture, 18.00 hrs lab  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
Practice public speaking through delivery techniques, organizing an outline and applying research methodology to support speech topic. C-ID COMM 110 (GR)

SPCH-102  Small Group Communication/Critical Thinking  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: ENGL-101A  
Accepted For Credit: CSU & UC  
Enhance small group communication and team building through the study of theories, concepts, and practices of effective group decision making and problem solving. Emphasis on logical reasoning and the evaluation of evidence. (GR)

SPCH-103  Interpersonal Communication  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
Study and practice the principles of relational communication in intrapersonal and interpersonal relationships at home and work. C-ID COMM 130 (GR)

SPCH-104  Critical Thinking/Persuasion  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: ENGL-151B  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
Learn persuasive techniques and develop critical thinking skills necessary to evaluate personal and public messages. Emphasis on logical reasoning, evaluation of evidence, and the development of a persuasive message. (GR)

SPCH-105  Intercultural Communication  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
Study the diversity of styles of verbal and nonverbal communication in different cultures. Emphasis on communicating effectively across cultures. C-ID COMM 150 (GR)

SPCH-106  Critical Thinking/Argumentation and Debate  
54.00 hrs lecture, 18.00 hrs lab  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
Develop critical thinking through oral advocacy and debate. Emphasis on both written and oral arguments based on logic and reasoning. C-ID COMM 120 (GR)

Did you know???

Transfer students from the California Community Colleges to the University of California system currently account for 48% of UC’s bachelor’s degrees in science, technology, engineering, and mathematics.  
Source: California Community Colleges Chancellor’s Office

SPCH-107  Leadership Communication  
54.00 hrs lecture, 18.00 hrs lab  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU  
Explore and analyze how leadership theory can inform and direct the way leadership is practiced. Analyze traditional and interactional theories of leadership including the influences of culture and gender on leadership. Emphasis is on theory and practice. (GC)

SPCH-108  Gender Communication  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: WS-108  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
Examine the influence of gender and culture on communication in personal relationships, organizations, mass media and society. (GR)

SPCH-110A1  Forensics Workshop  
9.00 hrs lecture, 27.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU  
Participate in or attend public speeches or performances in order to encourage community involvement. (GR)

SPCH-110A2  Forensics Workshop  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU  
Participate in or attend public speeches or performances in order to encourage community involvement. (GR)

SPCH-110A3  Forensics Workshop  
27.00 hrs lecture, 81.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU  
Participate in platform forensic speech activities including: informative speaking, persuasive speaking, impromptu, extemporaneous, speech to entertain, or communication analysis. C-ID COMM 160B (GC)

SPCH-112A1  Argumentation and Debate Workshop  
9.00 hrs lecture, 27.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU  
Participate in or attend public meetings or debates in order to encourage critical thinking and community involvement. (GR)

SPCH-112A2  Argumentation and Debate Workshop  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU  
Participate in or attend public meetings or debates in order to encourage critical thinking and community involvement. (GR)

SPCH-112A3  Argumentation and Debate Workshop  
27.00 hrs lecture, 81.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU  
Participate in argumentation and debate; research significant contemporary problems; analyze issues, evidence, and logic; and present researched arguments. (GR)
SPCH-114A1 Oral Interpretation Workshop
9.00 hrs lecture, 27.00 hrs lab
Units: 1.00
Accepted For Credit: CSU
Participate in or attend public performances of all genres of literature with an emphasis on the analysis and interpretation of the material. (GC)

SPCH-114A2 Oral Interpretation Workshop
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Accepted For Credit: CSU
Participate in or attend public performances of all genres of literature with an emphasis on the analysis and interpretation of the material. (GR)

SPCH-114A3 Oral Interpretation Workshop
27.00 hrs lecture, 81.00 hrs lab
Units: 3.00
Accepted For Credit: CSU
Participate in the oral interpretation of literature (poetry, prose, or drama) with an emphasis on the analysis and interpretation of the literature. (GR)

SPCH-115 Career Communication
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: BA-115
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU
Develop vital communication skills for global and diverse professional environments including presentational skills, interviewing, meeting management, small group communication, and leadership skills. (GR)

SPCH-116 Listening Techniques
18.00 hrs lecture
Units: 1.00
Accepted For Credit: CSU
Examine listening styles and practice listening skills for college, career, and personal development. Emphasis is on the benefits of listening, listening theory, and tips for improving listening. (GR)

SPCH-122 Family Communication
54.00 hrs lecture
Units: 3.00
Accepted For Credit: CSU & UC
Explore family communication processes, roles, decision-making techniques, and conflict management in traditional and nontraditional families. (GR)

SPCH-130 Oral Communication of Literature
54.00 hrs lecture, 18.00 hrs lab
Units: 3.00
Cross-referenced Course: TD-130
Advisory: ENGL-151B
Accepted For Credit: CSU & UC
Using performance as a communication concept, students will explore performance theory and apply and express cultural identities and the meanings they produce as communicators and performers. (GR)

SPCH-132 Voice and Diction
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: TD-132
Advisory: ENGL-151A
Accepted For Credit: CSU & UC
Understand and improve the speaking voice through oral exercises that focus on expressiveness and articulation. Increase vocabulary and use the International Phonetic Alphabet in transcription and pronunciation. (GR)

SPCH-190A Speech Communication Lab Consultant
9.00 hrs lecture, 27.00 hrs lab
Units: 1.00
Advisory: SPCH-101 or instructor recommendation
Accepted For Credit: CSU
Designed to help students improve their personal and professional communication capabilities. Teaching-learning techniques include assistance with thesis development, outlining, research and delivery skills. (GC)

SPCH-190B Speech Communication Lab Consultant
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: SPCH-101 or instructor recommendation
Accepted For Credit: CSU
Designed to help students improve their personal and professional communication capabilities. Teaching-learning techniques include assistance with thesis development, outlining, research and delivery skills. (GC)

SPCH-190C Speech Communication Lab Consultant
18.00 hrs lecture, 108.00 hrs lab
Units: 3.00
Advisory: SPCH-101 or instructor recommendation
Accepted For Credit: CSU
Designed to help students improve their personal and professional communication capabilities. Teaching-learning techniques include assistance with thesis development, outlining, research and delivery skills. (GC)

THEATRE AND DANCE

Division: Arts and Social Sciences

TD-100 Survey of the Arts
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: ART-100, IS-100, MUS-100
Advisory: Eligible for ENGL-151B and ENGL-163
Accepted For Credit: CSU & UC
In this course theatre, art, and music are explored through discussion, historical review, and contemporary issues. The purpose of this course is to increase students' understanding and enjoyment of the arts. The course is taught by three instructors, one from each discipline. (GR)

TD-102 Introduction to Theatre Appreciation
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Advisory: TD-100
Accepted For Credit: CSU & UC
This course is a study of the combined elements of contemporary theatre through examination of audience/performer relationships and the organization of support personnel. The focus is on current and classical plays with special emphasis on dramatic analysis, cultural significance, and critical thinking. Mandatory attendance is required at selected Bay Area theatres at students' expense. (GC)
TD-107  History of Film
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: HIST-107
Advisory: Eligible for ENGL-151B and ENGL-163
Accepted For Credit: CSU & UC
This class examines the impact of film on our lives and history. Students will review films, discuss, and analyze techniques used. (GR)

TD-109  Theatre for Today
54.00 hrs lecture, 3.60 hrs lab
Units: 3.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course is designed to help prepare students for a professional audition/interview by developing performance selections, portfolio layouts, and presentation techniques for regional, summer stock, film/TV, and festival venues. (GR)

TD-110  Introduction to Acting
54.00 hrs lecture, 54.00 hrs lab
Units: 4.00
Prerequisite: TD-110
Accepted For Credit: CSU
This course is an advanced study in the principals and practices of contemporary acting techniques. Students will analyze and evaluate the acting theories of the Stanislavski system of acting, as assessed by the 20th century American acting leaders; i.e. Uta Hagen, Stella Adler, Michael Shurtleff, Lee Strasberg, Viola Spolin, etc. Students will apply these principles to their scene work, improvisation, and workshop exercises, and evaluate their progress and that of their classmates. (GR) C-ID THTR 152

TD-111  Intermediate Acting — Scene Study
54.00 hrs lecture, 54.00 hrs lab
Units: 4.00
Prerequisite: TD-110
Accepted For Credit: CSU
This course is an advanced study in the principals and practices of contemporary acting techniques. Students will analyze and evaluate the acting theories of the Stanislavski system of acting, as assessed by the 20th century American acting leaders; i.e. Uta Hagen, Stella Adler, Michael Shurtleff, Lee Strasberg, Viola Spolin, etc. Students will apply these principles to their scene work, improvisation, and workshop exercises, and evaluate their progress and that of their classmates. (GR) C-ID THTR 152

TD-112  Acting Styles — Classical
54.00 hrs lecture, 54.00 hrs lab
Units: 4.00
Prerequisite: TD-110
Accepted For Credit: CSU & UC
This course is a study of dramatic literature for the purpose of performance, including major study of Shakespeare comedies, tragedies, and histories. Background examination and performance appraisal will highlight each area of study. The emphasis is upon performance of characters in monologue and scene work from selected plays. Selected plays will be studied and several will be viewed both live and on video. (GR)

TD-114  Acting for the Camera
54.00 hrs lecture, 54.00 hrs lab
Units: 4.00
Accepted For Credit: CSU & UC
This course will include analysis and practical study of techniques and skills necessary for performing in front of the camera. Emphasis is placed on acting, but includes daily work in practical cinematography, directing, script supervision, and crewing for all styles of film and video. (GR)

TD-115A  Theatre Improvisation
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Accepted For Credit: CSU & UC
Students will learn how to improvise a story, character, and setting. They will create through pantomime as well as vocal techniques. There will be a public performance final at the end of the term. (GR)

TD-116  Acting Laboratory
54.00 hrs lab
Units: 1.00
Accepted For Credit: CSU & UC
This laboratory class applies the knowledge and techniques gained in the production and technique classes. (GC)

TD-117A  Audition/Portfolio Preparation
18.00 hrs lecture, 18.00 hrs lab
Units: 0.50
Accepted For Credit: CSU
This course is designed to help prepare students for a professional audition/interview by developing performance selections, portfolio layouts, and presentation techniques for regional, summer stock, film/TV, and festival venues. (GR)

TD-117A1  Audition/Portfolio Preparation
18.00 hrs lecture, 27.00 hrs lab
Units: 1.00
Accepted For Credit: CSU
This course is designed to help prepare students for a professional audition/interview by developing performance selections, portfolio layouts, and presentation techniques for regional, summer stock, film/TV, and festival venues. (CR)

TD-117A2  Audition/Portfolio Preparation
27.00 hrs lecture, 27.00 hrs lab
Units: 2.00
Accepted For Credit: CSU
This course is designed to help prepare students for a professional audition/interview by developing performance selections, portfolio layouts, and presentation techniques for regional, summer stock, film/TV, and festival venues. (GR)

TD-118  Survey of Acting Techniques
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Accepted For Credit: CSU & UC
This course is an active survey of, and participation in, a variety of public performance techniques, including scenework, monologues, reader's theatre, improvisation, radio plays, and theatre games. (GC)

TD-119  Directing for the Stage
54.00 hrs lecture, 54.00 hrs lab
Units: 4.00
Advisory: TD-110 and TD-114
Accepted For Credit: CSU & UC
This course is a study of the background and techniques of the director in theatre with an emphasis on practical experience in directing through class projects and public performances. (GR)
TD-120A3  Student Repertory Theatre
162.00 hrs lab
Units: 3.00
Prerequisite: Auditions (for actors only)
Advisory: TD-110
Accepted For Credit: CSU & UC
This class is a combination of professional and educational theatre. Students will participate in performance and technical roles in a repertory company. There will be a variety of plays presented for public performance. Members of the company will be expected to participate in all phases of production. (GR)

TD-120B4  Student Repertory Theatre
216.00 hrs lab
Units: 4.00
Prerequisite: Auditions (for actors only)
Accepted For Credit: CSU & UC
This class is a combination of professional and educational theatre. Students will participate in positions of leadership in acting and/or technical roles in a repertory company. Members of the company will be expected to participate in all phases of production, particularly in the capacity of producer, director, designer, or other position of artistic or business leadership. (GR)

TD-121A  Dance Rehearsal and Performance
108.00 hrs lab
Units: 2.00
Advisory: Co-enrollment in a dance technique class
Accepted For Credit: CSU & UC
This class is an educational setting for dance performance experience. The student will learn the ins and outs of a theatrical dance performance. Each student, regardless of skill level, will be given the opportunity to perform on stage in a professional setting with the security of an educational environment. The class also supports the Theatre Technology students to do the same. (GC)

TD-121B  Dance Rehearsal and Performance
162.00 hrs lab
Units: 3.00
Advisory: It is highly recommended that the student be co-enrolled in a dance technique class
Accepted For Credit: CSU & UC
This class is an educational setting for dance performance. The student will learn the ins and outs of a theatrical dance performance. Each student, regardless of skill level, will be given the opportunity to perform on stage in a professional setting with the security of an educational environment. (GR)

TD-121C  Dance Rehearsal and Performance
216.00 hrs lab
Units: 4.00
Advisory: It is highly recommended that each student is co-enrolled in a dance technique class
Accepted For Credit: CSU & UC
This class is an educational setting for dance performance. The student will learn the ins and outs of a theatrical dance performance. Each student, regardless of skill level, will be given the opportunity to perform on stage in a professional setting with the security of an educational environment. It also supports the Theatre Technology students to do the same. (GR)

TD-124  Rehearsal and Performance
216.00 hrs lab
Units: 4.00
Prerequisite: Auditions
Advisory: Eligible for ENGL-151B and ENGL-163; TD-110
Accepted For Credit: CSU & UC
This class is for students performing in a major college production. (GR)

TD-125  Summerfest — Principals
360.00 hrs lab
Units: 7.00
Prerequisite: Audition
Accepted For Credit: CSU & UC
This course is normally taught as an eight to ten-week summer session course and is designed to familiarize students with the principles and complexities involved in the preparation and production of the Summerfest production in a principal role. Specific instruction will be given in acting, movement, speech, singing, and accents as they relate to the style and history of the period and to musical theatre specifically. (GR)

TD-126  Summerfest — Featured Parts
315.00 hrs lab
Units: 6.00
Prerequisite: Audition
Accepted For Credit: CSU & UC
This course is normally taught as an eight to ten-week summer session course and is designed to familiarize students with the principles and complexities involved in the preparation and production of the Summerfest production in a featured role or chorus. Specific instruction will be given in acting, movement, speech, singing, and accents as they relate to the style and history of the period. (GR)

TD-129  Summerfest — Technicians
378.00 hrs lab
Units: 7.00
Advisory: TD-150
Accepted For Credit: CSU & UC
This course is normally taught as an eight to ten-week summer session course. It is designed to familiarize and teach students the various technical aspects, such as set construction, lighting, costuming, makeup, publicity, and house management needed for the preparation and production of a major theatrical Summerfest production. (GC)

TD-130  Oral Communication of Literature
54.00 hrs lecture, 18.00 hrs lab
Units: 3.00
Cross-referenced Course: SPCH-130
Advisory: ENGL-151B
Accepted For Credit: CSU & UC
Using performance as a communication concept, students will explore performance theory and apply and express cultural identities and the meanings they produce as communicators and performers. (GR)

TD-132  Voice and Diction
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: SPCH-132
Advisory: ENGL-151A
Accepted For Credit: CSU & UC
Understand and improve the speaking voice through oral exercises that focus on expressiveness and articulation. Increase vocabulary and use the International Phonetic Alphabet in transcription and pronunciation. (GR)

TD-141A  Introduction to Ballet
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: Medical check within last year
Accepted For Credit: CSU & UC
This class introduces the rudiments of classical ballet to the beginning dance student. Students will develop the strength and coordination to perform the technical skills of basic ballet through barre and center work and by learning simple movement combinations. Ballet terminology will be covered. Requires attendance at selected events offered by Ohlone College at the Cary Soren Smith Center for the Fine and Performing Arts. (GC)
TD-141B  Intermediate Ballet
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Prerequisite: TD-141A
Advisory: Medical check within last year
Accepted For Credit: CSU & UC
This class continues the training in the rudiments of classical ballet for the intermediate level student. The students will further develop the technical skills to perform intermediate-level choreography. Ballet II terminology will be covered. (GC)

TD-142A  Introduction to Jazz Dance
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: Medical check within last year
Accepted For Credit: CSU & UC
Students will learn the basic skill of jazz dance with emphasis on body alignment, strength, and coordination. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

TD-142B  Intermediate Jazz Dance
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: TD-142A
Accepted For Credit: CSU & UC
Students will work on more advanced skills and styles inherent in jazz dance. Class work will deal with technical skills, combinations of steps, and exploration of composition in jazz dance form. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

TD-142C  Advanced Jazz Dance
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: TD-142B
Accepted For Credit: CSU & UC
Students will complete advanced skills inherent in jazz dance. This advanced level technical jazz dance class will deal with leaps, turns, and technique as well as dance composition. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

TD-143A  Introduction to Tap
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Accepted For Credit: CSU & UC
Students will study basic tap dance techniques and elementary tap dances. This class provides students with the opportunity to develop coordination, rhythm, and performance skills. Some history of tap will be included. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

TD-143B  Intermediate Tap
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: TD-143A
Accepted For Credit: CSU & UC
Students will further develop intricate skills in tap dancing by studying intermediate-level skills and choreography. (GC)

TD-143C  Advanced Tap Dance
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: This is an advanced level class; the student is expected to have a strong intermediate level skill set upon enrollment
Accepted For Credit: CSU & UC
Students will further develop advanced and intricate skills in tap dance by studying advanced rhythm patterns, movements, and choreography with some provision for student composition of dance. Performance skills will be included. (GC)

TD-144A  Introduction to Modern Dance
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: Medical check within last year
Accepted For Credit: CSU & UC
Students will learn basic skills of modern dance with emphasis on body alignment, strength, coordination, rhythmic movement, and creative expression. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

TD-144B  Intermediate Contemporary Dance
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: TD-144A
Accepted For Credit: CSU & UC
Students will further prepare their bodies as an instrument for dance, progressing to longer, faster-paced, more diversified, and more difficult movement phrases. Coursework will include some creative dance experiences, abstract dance, and musical mime. (GC)

TD-146L  Open Dance Lab
36.00 hrs lab
Units: 0.50
Corequisite: Student must be concurrently enrolled in an Ohlone dance class
Accepted For Credit: CSU
The student will have supervised and tutored studio time to perfect skills and techniques learned in a concurrently enrolled dance class. (GR)

TD-147A  Dance Company Repertoire I
108.00 hrs lab
Units: 2.00
Advisory: It is highly recommended that the student be co-enrolled in an intermediate or advanced level jazz or modern dance technique class
Accepted For Credit: CSU & UC
The student will be introduced to the art of performance dance. The student will utilize a fusion of diverse dance disciplines, cultural backgrounds, and personal experience for the expression and performance of advanced level choreography. The student will be introduced to new choreography with each enrollment. There may be performances off campus, such as field trips and tours. (GR)
**TD-147B Dance Company Repertoire II**  
108.00 hrs lab  
Units: 2.00  
Advisory: It is highly recommended that the student be co-enrolled in an intermediate or advanced level dance technique class  
Accepted For Credit: CSU & UC  
The student will continue to explore the art of performance dance. The student will utilize a fusion of diverse dance disciplines, cultural backgrounds, and personal experience for the expression and performance of advanced level choreography. The student will be introduced to new choreography with each enrollment. There may be performances off campus, such as field trips and tours. (GR)

**TD-148A2 Introduction to Hip Hop**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within last year  
Accepted For Credit: CSU & UC  
Students will learn basic skills of hip hop dance with emphasis on creative expression, strength, coordination, and rhythmic style. (GR)

**TD-148A3 Introduction to Hip Hop**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within last year  
Accepted For Credit: CSU & UC  
Students will learn basic skills of contemporary street jazz/hip hop dance with emphasis on body alignment, strength, coordination, rhythmic movement, and creative expression. (GC)

**TD-148B2 Intermediate Hip Hop**  
36.00 hrs lab  
Units: 0.50  
Prerequisite: TD-148A2 or TD-148A3  
Advisory: Medical check within last year  
Accepted For Credit: CSU & UC  
Students will learn, at an intermediate level, skills of hip hop dance with emphasis on creative expression, strength, coordination, rhythmic style, and improvisation. (GR)

**TD-148B3 Intermediate Hip Hop**  
54.00 hrs lab  
Units: 1.00  
Prerequisite: TD-148A3  
Accepted For Credit: CSU & UC  
Students will learn, at an intermediate level, skills of contemporary street jazz/hip hop dance with emphasis on body alignment, strength, coordination, rhythmic movement and creative expression. (GC)

**TD-149 Choreography for Production**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU & UC  
Students will learn methods and elements of choreography and relate them to technical theatre elements of set, lighting, costuming, and sound. (GR)

**TD-150 Technical Theatre**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU & UC  
This course introduces the theory and practice of technical theatre production. Emphasis is placed on theatre safety, scenery construction techniques and materials, and backstage procedures. Students receive hands-on training in the scene shop and as members of the stage crew of a department production. (GR)

**TD-152 Introduction to Stage Lighting and Sound**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: TD-150  
Accepted For Credit: CSU & UC  
This course introduces the basic concepts, technology, and safe practices of electricity and lighting and sound for live events. Lectures will focus on theory and practice, while lab will provide opportunities to use equipment in real life situations. (GR)

**TD-153 Scenic Painting**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: TD-150  
Accepted For Credit: CSU & UC  
This course is a study of various methods of painting theatrical scenery. Tools to be used will include brushes, rollers, sponges, and stencils. Students will learn techniques in faux, trompe-l’oeil, and forced perspective. Students also participate in current department productions. (GR)

**TD-154 Theatrical Makeup for Stage, TV, and Dance**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU & UC  
This course includes lecture, demonstration, and laboratory practice in the design and application of stage and film makeup, including ethnic, fantasy, horror, period styles, and special effects. (GR)

**TD-155A Costume Construction I**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU & UC  
This course provides basic costume construction techniques to develop a student's skill in the use of fabrics, methods, and simple patterns in a theatrical context. (GC)

**TD-155B Costume Construction II**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Prerequisite: TD-155A  
Accepted For Credit: CSU & UC  
This course provides costume construction techniques to advance students' skill in the use of special fabrics, methods, and more complex patterns. (GC)

**TD-156 Theatrical Costuming**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU & UC  
This course identifies and provides experience using materials, tools, and techniques used in building costumes. The history of costumes, use of sewing machines, design, and related topics are covered. (GR)

**TD-159 Theatre Management**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: Eligible for ENGL-151B  
Accepted For Credit: CSU  
This course is an introduction to the theories and practices of dance, theatre, and music performance management. Students will study advertising, public relations, box office operations, and event staffing. There is practical lab application of studies in conjunction with concurrent productions (student and professional) and/or outside projects in film and TV. (GR)
TD-160A Production Lab
27.00 hrs lab
Units: 0.50
Accepted For Credit: CSU
This lab provides hands-on instruction and practice in technical production for theatre, dance, and television. (GC)

TD-160A2 Production Lab
108.00 hrs lab
Units: 2.00
Accepted For Credit: CSU & UC
This lab provides hands-on instruction and practice in technical production for theatre, dance, and television. (GC)

TD-161 Stagecraft Lab (Theatre, Television, Dance)
54.00 hrs lab
Units: 1.00
Accepted For Credit: CSU & UC
This course involves participation in all the technical aspects of preparing a scheduled college production (stage, television, and dance), such as set construction, lighting, costuming, makeup, publicity, and house management. (GR)

TD-162 Stagecraft Lab (Theatre, Television, Dance)
108.00 hrs lab
Units: 2.00
Accepted For Credit: CSU & UC
This course involves participation in all the technical aspects of preparing a scheduled college production (stage, television, and dance), such as set construction, lighting, costuming, makeup, publicity, and house management. (GR)

TD-163 Stagecraft Lab (Theatre, Television, Dance)
162.00 hrs lab
Units: 3.00
Accepted For Credit: CSU & UC
This course involves participation in all the technical aspects of preparing a scheduled college production (stage, television, and dance), such as set construction, lighting, costuming, makeup, publicity, and house management. (GR)

TD-164 Stagecraft Lab (Theatre, Television, Dance)
216.00 hrs lab
Units: 4.00
Accepted For Credit: CSU & UC
This course involves participation in all the technical aspects of preparing a scheduled college production (stage, television, and dance), such as set construction, lighting, costuming, makeup, publicity, and house management. (GR)

TD-170 Survey of Entertainment Design
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Accepted For Credit: CSU
This course explores trends in entertainment design and technology through lectures and fieldtrips. Areas covered will include live performance, film and television, themed entertainment, retail and corporate events. The purpose of this course is to provide students with a broad overview of the field of entertainment design and technology with emphasis on current and future employment opportunities and the skills needed for them. (GC)

TD-171 3D Entertainment Design for Lighting
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Advisory: TD-152
Accepted For Credit: CSU
This course focuses on the fundamentals of computer-aided design as related to lighting design for the entertainment industry. Using Mini-CAD design and drafting programs, this course will guide students through the process of creating lighting designs using three-dimensional models of theatres and other spaces. (GR)

TD-172 Intermediate Lighting for Stage, Television, and Live Events
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Advisory: TD-152 or stage/TV lighting experience
Accepted For Credit: CSU
This course offers project-based instruction on the equipment and techniques used in lighting. It will be divided into three sections, each of which will focus on a specific area of the entertainment industry: lighting for the stage, for television production, and for live events. (GC)

TD-173 Introduction to Moving Lights
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: TD-172
Accepted For Credit: CSU
This course offers an introduction to the technology and applications of intelligent lighting systems for the entertainment industry. The course and lab work will concentrate on the features and functions of a wide variety of lighting fixtures and control systems in use in the entertainment industry today. (GC)

TD-174 Intermediate Moving Lights
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Prerequisite: TD-173
Advisory: TD-172
Accepted For Credit: CSU
This course builds upon the work done in TD-173. Students will begin designing with, and programming, intelligent lighting systems for different types of events (concerts, corporate parties, trade shows). More sophisticated work will be done in trouble shooting, servicing, and rigging, as well. (GC)

TD-175 Intermediate Sound for Stage, Television, and Live Events
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Advisory: TD-152 or stage/TV sound experience
Accepted For Credit: CSU
This course offers project-based instruction on the equipment and techniques used in sound design, recording, and reinforcement. It will be divided into three sections, each of which will focus on a specific area of the entertainment industry: sound for the stage, for television production, and for live events. (GC)

TD-176 Digital Sound Editing for Stage and TV
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Advisory: TD-175, MUS-113
Accepted For Credit: CSU
This project-based course provides advanced, hands-on instruction in industry-standard digital sound editing and MIDI systems, including Peak, ProTools, and CueBase. The course is intended for students pursuing careers in audio/technology in the entertainment industry. (GC)

TD-177 Fundamentals of Rigging
36.00 hrs lecture, 36.00 hrs lab
Units: 2.00
Advisory: TD-150; ability to climb ladders and lift 50 pounds
This course offers an introduction to the rigging systems and equipment commonly used in the entertainment industry. Through a combination of classroom and lab, students will learn the fundamental concepts of safe rigging including load calculation and placement, safety devices, and fall protection. Students should be in good physical condition and must be able to climb ladders and lift fifty pounds. (GC)
TD-179  **Introduction to Stage Management**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: TD-152  
Accepted For Credit: CSU  
This course introduces the responsibilities, techniques, and tools of a modern stage manager for live and broadcast events. Areas covered will include creating schedules, promptbooks, and other paperwork; organizing and managing crew; managing production meetings; managing the rehearsal process; running performances. (GC)

TD-180  **Make a Movie**  
162.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU  
In this course students will participate in the production of independent films. The positions for students include both talent and technical operations. (GR)

TD-181  **Directing for the Camera**  
36.00 hrs lecture, 108.00 hrs lab  
Units: 4.00  
Advisory: Eligible for ENGL-151B, TD-114  
Accepted For Credit: CSU  
Using three-camera technique, the students will produce and direct four dramatic scenes for television and one music video. Using single and multi-camera shots, students will produce, direct, and edit one dramatic scene. (GR)

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**WORK EXPERIENCE EDUCATION**

Division: Business, Technology, and Learning Resources

WEX-185A1  **General Work Experience Education**  
75.00 hrs lab  
Units: 1.00  
Corequisite: Parallel Plan: Work and attend school at the same time. Enrollment in a minimum of seven units, including Work Experience Education; students may qualify for a maximum of 3 WEX units per semester for a total of 6 WEX-185 units. Alternate plan (work and attend school alternately): enrollment limited to one other class during the semester; students must have completed a minimum of seven semester units prior to enrolling in the alternate plan; students may enroll in up to six semester units per semester. General limitations: Students may not enroll in WEX-185 and any 195 course concurrently. Requires a minimum of 75 hours of paid work or 60 hours of volunteer work. Accepted For Credit: CSU  
This course offers participants the ability to engage in work-based learning while enrolled in school to gain employment experience. Through a set of learning objectives established by the student, supervisor, and instructor, students shall enhance their career awareness and expand their understanding of the skills required to be successful in the workplace. This work-based learning experience will promote a better understanding of the relationship between formal education and job success. Repeatable = 3 times for a maximum of 6 units (GC)

WEX-185A2  **General Work Experience Education**  
150.00 hrs lab  
Units: 2.00  
Corequisite: Parallel Plan: Work and attend school at the same time. Enrollment in a minimum of seven units, including Work Experience Education; students may qualify for a maximum of 3 WEX units per semester for a total of 6 WEX-185 units. Alternate plan (work and attend school alternately): enrollment limited to one other class during the semester; students must have completed a minimum of seven semester units prior to enrolling in the alternate plan; students may enroll in up to six semester units per semester. General limitations: Students may not enroll in WEX-185 and any 195 course concurrently. Requires a minimum of 150 hours of paid work or 120 hours of volunteer work. Accepted For Credit: CSU  
This course offers participants the ability to engage in work-based learning while enrolled in school to gain employment experience. Through a set of learning objectives established by the student, supervisor, and instructor, students shall enhance their career awareness and expand their understanding of the skills required to be successful in the workplace. This work-based learning experience will promote a better understanding of the relationship between formal education and job success. Repeatable = 3 times for a maximum of 6 units (GC)

WEX-185A3  **General Work Experience Education**  
225.00 hrs lab  
Units: 3.00  
Corequisite: Parallel Plan: Work and attend school at the same time. Enrollment in a minimum of seven units, including Work Experience Education; students may qualify for a maximum of 3 WEX units per semester for a total of 6 WEX-185 units. Alternate plan (work and attend school alternately): enrollment limited to one other class during the semester; students must have completed a minimum of seven semester units prior to enrolling in the alternate plan; students may enroll in up to six semester units per semester. General limitations: Students may not enroll in WEX-185 and any 195 course concurrently. Requires a minimum of 225 hours of paid work or 180 hours of volunteer work. Accepted For Credit: CSU  
This course offers participants the ability to engage in work-based learning while enrolled in school to gain employment experience. Through a set of learning objectives established by the student, supervisor, and instructor, students shall enhance their career awareness and expand their understanding of the skills required to be successful in the workplace. This work-based learning experience will promote a better understanding of the relationship between formal education and job success. Repeatable = 3 times for a maximum of 6 units (GC)
WEX-195A1  Occupational Work Experience Education
75.00 hrs lab
Units: 1.00
Corequisite: Parallel Plan (Work and attend school at the same time): Enrollment in a minimum of seven units, including Work Experience Education; students may qualify for a maximum of 3 WEX units per semester for a total of 6 WEX-185 units. Alternate Plan (Work and attend school alternately): Enrollment limited to one other class during the semester; students must have completed a minimum of seven semester units prior to enrolling in the alternate plan; students may enroll in up to six semester units per semester. General limitations: Students may not enroll in WEX-185 and WEX-195 concurrently. Accepted For Credit: CSU

This course, known as Occupational Work Experience Education, offers participants the ability to engage in work-based learning related to their college major and/or occupational goal. Through a set of learning objectives established by the student, supervisor, and instructor, students shall enhance their career awareness and expand their understanding of the skills required to be successful in the workplace. This work-based learning experience will promote a better understanding of the relationship between formal education and job success. Repeatable = 3 times in series to a maximum of 16 units (GC)

WEX-195A2  Occupational Work Experience Education
150.00 hrs lab
Units: 2.00
Corequisite: Parallel Plan: Work and attend school at the same time. Enrollment in a minimum of seven units, including Work Experience Education; students may qualify for a maximum of 3 WEX units per semester for a total of 6 WEX-195 units. Alternate plan (work and attend school alternately): enrollment limited to one other class during the semester; students must have completed a minimum of seven semester units prior to enrolling in the alternate plan; students may enroll in up to six semester units per semester. General limitations: Students may not enroll in WEX-185 and any 195 course concurrently. Requires a minimum of 150 hours of paid work or 120 hours of volunteer work. Accepted For Credit: CSU

This course, known as Occupational Work Experience Education, offers participants the ability to engage in work-based learning related to their college major and/or occupational goal. Through a set of learning objectives established by the student, supervisor, and instructor, students shall enhance their career awareness and expand their understanding of the skills required to be successful in the workplace. This work-based learning experience will promote a better understanding of the relationship between formal education and job success. Repeatable = 3 times in series to a maximum of 16 units (GC)

WEX-195A3  Occupational Work Experience Education
225.00 hrs lab
Units: 3.00
Corequisite: Parallel Plan: Work and attend school at the same time. Enrollment in a minimum of seven units, including Work Experience Education; students may qualify for a maximum of 3 WEX units per semester for a total of 6 WEX-195 units. Alternate plan (work and attend school alternately): enrollment limited to one other class during the semester; students must have completed a minimum of seven semester units prior to enrolling in the alternate plan; students may enroll in up to six semester units per semester. General limitations: Students may not enroll in WEX-185 and any 195 course concurrently. Requires a minimum of 225 hours of paid work or 180 hours of volunteer work. Accepted For Credit: CSU

This course, known as Occupational Work Experience Education, offers participants the ability to engage in work-based learning related to their college major and/or occupational goal. Through a set of learning objectives established by the student, supervisor, and instructor, students shall enhance their career awareness and expand their understanding of the skills required to be successful in the workplace. This work-based learning experience will promote a better understanding of the relationship between formal education and job success. Repeatable = 3 times in series to a maximum of 16 units (GC)

WEX-195A4  Occupational Work Experience Education
300.00 hrs lab
Units: 4.00
Corequisite: Parallel Plan: Work and attend school at the same time. Enrollment in a minimum of seven units, including Work Experience Education; students may qualify for a maximum of 3 WEX units per semester for a total of 6 WEX-195 units. Alternate plan (work and attend school alternately): enrollment limited to one other class during the semester; students must have completed a minimum of seven semester units prior to enrolling in the alternate plan; students may enroll in up to six semester units per semester. General limitations: Students may not enroll in WEX-185 and any 195 course concurrently. Requires a minimum of 300 hours of paid work or 240 hours of volunteer work. Accepted For Credit: CSU

This course, known as Occupational Work Experience Education, offers participants the ability to engage in work-based learning related to their college major and/or occupational goal. Through a set of learning objectives established by the student, supervisor, and instructor, students shall enhance their career awareness and expand their understanding of the skills required to be successful in the workplace. This work-based learning experience will promote a better understanding of the relationship between formal education and job success. Repeatable = 3 times in series to a maximum of 16 units (GC)