**GRAPHIC ARTS (GA)**

**Division:** Arts and Social Sciences  
**Dean:** Walter Birkedahl  
**Executive Assistant:** Sheila Holland  
**Location:** Fremont campus, Smith Center, Room 147  
**Phone number:** (510) 659-6216

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**GA-109A**  
**Beginning Graphic Design I**  
*(Letter Forms and Typography)*  
36.00 hrs lecture, 72.00 hrs lab  
Units: 3.00  
Cross-referenced Course: ART-109A  
Prerequisite: GA-109A or ART-109A  
Accepted For Credit: CSU  
This course is an introduction to graphic design. It will cover the fundamentals of letter form design with traditional and contemporary alphabets. Studio practice will emphasize the relationships between image and message. (GC)

**GA-109B**  
**Beginning Graphic Design II**  
36.00 hrs lecture, 72.00 hrs lab  
Units: 3.00  
Cross-referenced Course: ART-109B  
Prerequisite: GA-109A or ART-109A  
Accepted For Credit: CSU  
This course is an introduction to the pictorial image and written word as basic components in a format for communications. The studio practice develops the student's ability to formulate and communicate a concept into graphic form for both presentation and production. (GC)

**GA-110A**  
**Advanced Graphic Design I**  
36.00 hrs lecture, 72.00 hrs lab  
Units: 3.00  
Cross-referenced Course: ART-110A  
Prerequisite: GA-109B or ART-109B  
Accepted For Credit: CSU  
This is an advanced course. The emphasis is on students' problem-solving ability. It includes comprehensive projects in applied graphics and three-dimensional design. There is instruction in techniques for package design, product visualization, execution of 3-D design prototypes for presentation and photography. (GC)

**GA-110B**  
**Advanced Graphic Design II**  
36.00 hrs lecture, 72.00 hrs lab  
Units: 3.00  
Cross-referenced Course: ART-110B  
Prerequisite: GA-110A or ART-110A  
Accepted For Credit: CSU  
This course gives advanced attention to design solution and presentation. The course deals with the development of a single all-inclusive graphic design project. The emphasis is on effective client relationship from concept development through assignment completion. (GC)

**GA-138A**  
**Beginning Photoshop**  
27.00 hrs lecture, 81.00 hrs lab  
Units: 3.00  
Cross-referenced Course: ART-138A  
Accepted For Credit: CSU & UC  
This course is for photographers with limited experience or new to Adobe Photoshop. Students learn how to work with a digital “darkroom” using original images as well as images supplied by the instructor. Topics included are working with layers and masks, opacity and blend modes, transforming, working with text, camera raw, actions and smart filters, print and web-based workflow. A digital camera is not required. (GC)

**GA-138B**  
**Intermediate Photoshop**  
27.00 hrs lecture, 81.00 hrs lab  
Units: 3.00  
Cross-referenced Course: ART-138B  
Prerequisite: GA-138A or ART-138A  
Accepted For Credit: CSU  
This course is for photographers wishing to increase their working knowledge of Adobe Photoshop. Students work with a digital “darkroom” using original images as well as images supplied by the instructor. Topics included are working with layers and masks, opacity and blend modes, transforming, working with text, camera raw, actions and smart filters, print and web-based workflow. A digital camera is not required. (GC)

**GA-160A**  
**Computer Graphics I**  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Cross-referenced Course: ART-160A  
Accepted For Credit: CSU & UC  
This course is an introduction to microcomputers and to the creation of computer-generated graphics. This course examines the variety of software/hardware tools and techniques available for the production of computer-made imagery. The emphasis is on hard-copy production using printers, plotters, and other reproduction methods. This course also covers design principles, business graphics, and elementary programming principles. (GC)

**GA-160B**  
**Computer Graphics II**  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Cross-referenced Course: ART-160B  
Prerequisite: GA-160A  
Accepted For Credit: CSU  
This course is a continuation of GA-160A. The emphasis in this course is on developing intermediate and advanced skills needed to operate a computer graphics work station. The students complete projects of their choice using more complex Paint and CAD software, printers, and plotters. (GC)

**GA-161A**  
**Digital Graphics I**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Cross-referenced Course: ART-161A  
Accepted For Credit: CSU  
This course is an overview of computer graphics on desktop computers for graphic designers, artists, typographers, and for business applications. This course will cover hardware and software including laser printers, ink jet printers, scanners, tablets, and bit-mapped and vector-based graphics programs. This course also covers design principles and business graphics. The course emphasis is on the creation of a portfolio of computer graphics drawings. (GC)

**GA-161B**  
**Digital Graphics II**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Cross-referenced Course: ART-161B  
Prerequisite: GA-161A or ART-161A  
Accepted For Credit: CSU  
This course is a continuation of GA-161A. The emphasis in this course is on developing intermediate and advanced skills needed to set up and operate a digital graphics work station and publish on the Web. Students complete projects of their choice using complex graphics software, scanners, tablets, and printers. The course emphasis is on the continued development of a portfolio of computer images. (GC)
GA-163  Digital Arts Lab – Macintosh  
27.00 hrs lab  
Units: 0.50  
Cross-referenced Course: ART-163, ID-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)

GA-169A  Beginning Digital Photography  
18.00 hrs lecture, 108.00 hrs lab  
Units: 3.00  
Cross-referenced Course: ART-139A  
Advisory: ART-138A and ENGL-151A  
Accepted For Credit: CSU & UC  
This course explores the photographer’s creative process from several directions. Students will undertake photographic projects designed to provide engagement with a variety of subject matter and ways of photographing; look at photographic work in online and local galleries and museums; consider current issues having to do with photographic technologies; discuss their photographs with other students in an effort to improve their creative processes. Technical instruction will include camera functions, resizing and saving digital files, and minor image modification. For intense technical instruction see ART-138A and ART-138B. Students should consider completing ART-138A prior to enrolling in this course, but it is not a requirement. (GC)

GA-169B  Intermediate Digital Photography  
18.00 hrs lecture, 108.00 hrs lab  
Units: 3.00  
Cross-referenced Course: ART-139B  
Prerequisite: GA-169A or ART-139A  
Accepted For Credit: CSU  
This course continues an exploration of the photographer’s creative process from several directions. Students will undertake photographic projects designed to provide engagement with a variety of subject matter and ways of photographing; complete an extended photographic project of their choosing and receive guidance from the instructor and students; look at photographic work in online and local galleries and museums; consider current issues around photographic technologies; discuss their photographs with other students in an effort to improve their creative processes. Students will formalize their individual projects as books or online galleries. Technical instruction will include camera functions, resizing and saving digital files, and minor image modification. For intense technical instruction see ART-138A and ART-138B. Students should consider completing ART-138A prior to enrolling in this course, but it is not a requirement. (GC)

HEALTH (HLTH)

HLTH-101  Contemporary Health Issues  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course promotes personal, family, and community well-being and includes ways to obtain and maintain optimum wellness. (GC)

HLTH-140  Qigong I  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU & UC  
Qigong is an ancient Chinese health maintenance healing art and energy cultivating system. This course includes basic physical movements, exercises, breathing techniques, static postures, and introduction to self-massage, visualization, and meditation to enhance the flow of Qi throughout the body. (GC)

HLTH-141  Qigong II  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU & UC  
This course deepens the study that was introduced in Qigong I and advances the development of the personal Qigong practice techniques through more challenging routines and theoretical applications. This practice transcends the mind-body-spirit concept and facilitates the transformation to a more spiritual practice of Qigong. (GC)

HLTH-150  Women’s Health Issues  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: WS-150  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course is a study of the contemporary issues affecting women’s health at home and at work from biological, psychological, and sociological perspectives. Explore such topics as mental health, sexuality, parenting, nutrition, exercise, rape, battery, aging, occupational health, and cultural diversity, and the effects on women in American culture. (GC)

HLTH-160  Human Sexuality  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
This course examines the physiological and psychological aspects of sexual health in our contemporary society. Understanding the interrelationship of attitude and behavior as it relates to sexual integrity. Emphasis will be on knowledge, attitudes, and behavior that will contribute to a healthy individual. (GC)
HISTORY (HIST)

Division: Arts and Social Sciences
Dean: Walter Birkedahl
Executive Assistant: Sheila Holland
Location: Fremont campus, Smith Center, Room 147
Phone number: (510) 659-6216

HIST-102A Chicana/o History I
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: CHS-102A
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
This course covers the history of Chicanas and Chicanos from Pre-Colombian times to 1850. The course emphasizes the political, economic, and social influences of Pre-Columbian America, Spain, Mexico, and the United States and includes a study of the United States Constitution. (GR)

HIST-102B Chicana/o History II
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: CHS-102B
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
This course covers the history of the Mexican-American experience from 1850 to the present day. The course emphasizes the political, economic, and social experiences of the Mexican American people under the influences of Mexico and the United States, and includes a study of the Constitution of California. (GR)

HIST-104A Western Civilization with a World Perspective Until 1600
54.00 hrs lecture
Units: 3.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course is a survey of the cultural, social, and political developments of civilization in the Mediterranean through the beginning of early modern history. This course takes an interdisciplinary approach to the study of Western Civilization before 1600 and includes a world perspective. C-ID HIST 170 (GC)

HIST-104B Western Civilization with a World Perspective From 1600
54.00 hrs lecture
Units: 3.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course is a survey of the cultural, social, and political developments in Western Civilization with a world perspective from the rise of the nation-state through contemporary times with a speculative look at the future. (GC)

HIST-105 History of California
54.00 hrs lecture
Units: 3.00
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
This course covers the heritage and development of California from its beginnings to the present day with emphasis on the economic, social, ethnic, multicultural, and political forces which shaped the modern state. The Golden State’s phenomenal growth and multicultural changes are emphasized. (GC)

HIST-106A World History to 1500
54.00 hrs lecture
Units: 3.00
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
History 106A looks at the development of, and interactions between, peoples, states, and civilizations around the world from the end of the ice age (pre-history) to circa 1500 CE (Common Era). The course traces the beginnings of agriculture and rise of cities, the coming of world’s major religions and intellectual thought, the rise and fall of empires, routes of trade and migration, and calamities that have parallels with present day, including the impact of human settlement upon the natural world. (GC)

HIST-106B World History Since 1500
54.00 hrs lecture
Units: 3.00
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
History 106B analyzes the development of societies and interactions of cultures in Asia, Africa, Europe, and the Americas from 1500 to the present, with an emphasis on their global interactions. The course focuses on trading networks, empires, colonization and decolonization, the rise of modern imperialism, capitalism and its opponents, urbanization and mass communication, technologies for war and peace, and calamities that have parallels with present day, including the impact of human settlement upon the natural world. (GC)

HIST-107 History of Film
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: TD-107
Advisory: Eligible for ENGL-151B and ENGL-163
Accepted For Credit: CSU & UC
This course examines the impact of film on our lives and history. Students will review films, discuss, and analyze techniques used. (GR)

HIST-114A African American History 1619-1877
54.00 hrs lecture
Units: 3.00
Advisory: ENGL-151B and/or ENGL-163
Accepted For Credit: CSU & UC
This course covers the history of African Americans from the early 17th century to 1877. Political, social, cultural, and economic experiences will be discussed. (GC)

HIST-114B African American History 1877 to Present
54.00 hrs lecture
Units: 3.00
Advisory: ENGL-163
Accepted For Credit: CSU & UC
A history of African Americans from 1877 to present will be covered. Political, social, cultural, and economic experiences will be discussed. (GC)

HIST-115 Asian-American History
54.00 hrs lecture
Units: 3.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course is a review of Asian Pacific Americans in the social, political, economic, and cultural development of the United States from Reconstruction to the present. Groups surveyed will include Korean, Filipino, Asian Indian, Pacific Islanders, South East Asian, Japanese, and Chinese. (GC)
HIST-117A  History of the United States  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course surveys the history of the United States from pre-colonial times through Reconstruction (1877). C-ID HIST 130 (GC)

HIST-117B  History of the United States  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course surveys the history of the United States from 1877 (the end of Reconstruction) to the present. C-ID HIST 140 (GC)

HIST-118  Contemporary U.S. History: 1945  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course surveys the post-World War II role of the United States in world affairs and explores the socio-political development of the nation from 1945 to the present. The course will emphasize the growing cultural pluralism of twentieth century America. (GC)

HIST-119A  Bad Girls: Women in America Before 1890  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
Women before 1890 faced numerous hardships in their struggles for equality. This course traces women of different racial and ethnic backgrounds as they challenge social, economic, political, and gender norms in North America. The course explores how women have negotiated issues such as race, class, gender, work/labor, and sexuality. (GC)

HIST-119B  Bad Girls: Women in America From 1890  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
Women in the United States after 1890 faced numerous hardships in their struggles for equality. This course traces women of different racial and ethnic backgrounds as they challenge social, economic, political, and gender norms in North America. The course explores how women have negotiated issues such as race, class, gender, work/labor, and sexuality. (GC)

HIST-141  A History of Early Rock and Roll: Music and Culture of the 1950’s  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: IS-142, 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 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)

HIST-142  History of Rock and Roll: Music and Culture of the 1960’s  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: IS-143, MUS-123  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course charts the evolution of Rock and Roll music from the late 1950s through the 1960s, 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)

HIST-143  History of Rock and Roll: Music and Culture Since 1970  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: MUS-125  
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)

INTERDISCIPLINARY STUDIES (IS)

Division: Arts and Social Sciences  
Dean: Walter Birkedahl  
Executive Assistant: Sheila Holland  
Location: Fremont campus, Smith Center, Room 147  
Phone number: (510) 659-6216

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, 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 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)  

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 1950s through the 1960s, 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)
ID-155B  CAD for Interior Design
36.00 hrs lecture, 72.00 hrs lab
Units: 3.00
Cross-referenced Course: ART-155B
Advisory: ID-155A or 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)

ID-155C  Intermediate CAD for Interior Design
36.00 hrs lecture, 72.00 hrs lab
Units: 3.00
Cross-referenced Course: ART-155C
Prerequisite: ID-155B or ART-155B
Accepted For Credit: CSU
This course is a continuation of ID-155B and focuses on developing computer-aided drafting skills as related to interior design and architectural drawings. Applying CAD concepts and practicing commands are emphasized. Drawing skills are refined by applying these concepts to practical laboratory problems. (GC)

ID-156  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)

ID-157  Professional Practice for Interior Design
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: ART-157
This course introduces basic business practices for interior designers. It also includes an overview of career paths, business planning, 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)

ID-158  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)

ID-159A  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. This helps define space, articulate atmosphere, direct attention, and facilitate activities. (GC)

ID-159B  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)

ID-163  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)

INTERPRETER TRAINING (INT)
Division:  Deaf Studies
Dean:  Darline Gunsauls
Executive Assistant: Nora Chopelas
Location:  Fremont campus, Room 6203
Phone number:  (510) 659-6269

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, evaluation, and certification of interpreters. (GC)

INT-106  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, backchanneling, and gendered communication. Transcription conventions will be reviewed for noting language samples. (GR)

INT-107  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 interactional 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-127  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 with exposure to Deaf adults. 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, 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, 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, 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>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Hours</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Corequisite Notes</th>
<th>Corequisite Approval</th>
<th>Corequisite Approval Notes</th>
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<tbody>
<tr>
<td>INT-199D</td>
<td>Introduction to Educational Interpreting K-12</td>
<td>1.00</td>
<td>18.00</td>
<td>INT-145, INT-147, INT-153</td>
<td>INT-227, INT-245, INT-253</td>
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<tr>
<td>INT-199E</td>
<td>Introduction to Post-Secondary Interpreting</td>
<td>0.50</td>
<td>9.00</td>
<td>INT-145, INT-147, INT-153</td>
<td>INT-227, INT-245, INT-253</td>
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<tr>
<td>INT-199F</td>
<td>Introduction to Social Service and Employment</td>
<td>0.50</td>
<td>9.00</td>
<td>INT-145, INT-147, INT-153</td>
<td>INT-227, INT-245, INT-253</td>
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<td>INT-199G</td>
<td>Introduction to Telephone and Video Relay Interpreting</td>
<td>0.50</td>
<td>9.00</td>
<td>INT-145, INT-147, INT-153</td>
<td>INT-227, INT-245, INT-253</td>
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<tr>
<td>INT-199H</td>
<td>Introduction to Mental Health Interpreting</td>
<td>0.50</td>
<td>9.00</td>
<td>INT-145, INT-147, INT-153</td>
<td>INT-227, INT-245, INT-253</td>
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<td>INT-227</td>
<td>Ethics II: Interpreting Ethics and Decision-Making</td>
<td>3.00</td>
<td>54.00</td>
<td>INT-145, INT-147, INT-153</td>
<td>INT-227, INT-245, INT-253</td>
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<td>INT-245</td>
<td>Phantom Interpreting</td>
<td>1.00</td>
<td>54.00</td>
<td>INT-145, INT-147, INT-153</td>
<td>INT-227, INT-245, INT-253</td>
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<tr>
<td>INT-253</td>
<td>Interpreting: English to ASL</td>
<td>6.00</td>
<td>72.00</td>
<td>INT-145, INT-147, INT-153</td>
<td>INT-227, INT-245, INT-253</td>
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</tbody>
</table>
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  
Accepted For Credit: CSU  
This course is designed to provide IPP students with 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  
Corequisite: 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)

JAPANESE (JPNS)  
Division: Language and Communication  
Dean: Mark Lieu  
Executive Assistant: Kathleen Martinez  
Location: Fremont campus, Room HH-227  
Phone number: (510) 659-6173

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)

JPNS-102B  Intermediate Japanese  
90.00 hrs lecture, 18.00 hrs lab  
Units: 5.00  
Prerequisite: JPNS-102A  
Accepted For Credit: CSU & UC  
This course is a continuation of JPNS-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)

JOUR-101A  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 JOUR 110 (GR)

JOUR-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)

JOUR-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. JOUR-146 students are expected to produce one photo/graphic per issue. (GC)
JOUR-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. JOUR-147 students are expected to produce two photos or graphics per issue. (GC)

JOUR-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. JOUR-148 students are expected to produce three photos or graphics per issue. This course is usually reserved for managers and editors. (GC)

JOUR-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, and a critical consumer. C-ID JOUR 100 (GR)

JOUR-170  Newspaper Writing and Editing Staff
9.00 hrs lecture, 27.00 hrs lab
Units: 1.00
Advisory: Completion of, or concurrent enrollment in, JOUR-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. JOUR-170 students are expected to contribute one story per issue. (GR)

JOUR-171  Newspaper Writing and Editing Staff
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: Completion of, or concurrent enrollment in, JOUR-101A
Accepted For Credit: CSU

Staff members gather information, write, and edit stories for publication in the college newspaper, the Monitor, and the Monitor’s online edition. They also write columns and editorials. Working as a team, the staff plans and designs each issue. JOUR-171 students are expected to contribute two stories per issue. (GR)

JOUR-172  Newspaper Writing and Editing Staff
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
Advisory: Completion of, or concurrent enrollment in, JOUR-101A
Accepted For Credit: CSU

Staff members gather information, write, and edit stories for publication in the college newspaper, the Monitor, and the Monitor’s online edition. They also write columns and editorials. Working as a team, the staff plans and designs each issue. JOUR-172 students are expected to contribute three stories per issue. This course is usually reserved for managers and editors. (GR)

JOUR-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. JOUR-173 students are expected to contribute one story or graphic per issue. (GR)
JOUR-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. JOUR-174 students are expected to contribute three stories or graphics per issue. (GR)

JOUR-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. JOUR-175 students are expected to contribute three stories or graphics per issue. This course is usually reserved for managers and editors. (GR)

JOUR-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. JOUR-176 students are expected to make one ad contact per week. (GR)

JOUR-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. JOUR-177 students are expected to make two ad contacts per week. (GR)

JOUR-178  Advertising Staff
36.00 hrs lecture, 54.00 hrs lab
Units: 3.00
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. JOUR-178 students are expected to make three ad contacts per week. This course is usually reserved for managers and editors. (GR)

KINESIOLOGY (KIN)

Division: Kinesiology and Athletics
Dean: Christopher Warden
Executive Assistant: Laura Martinez
Location: Fremont campus, Room 9303
Phone number: (510) 659-6044

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, 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, career guidance, study skills, including cultural stratification, race, gender, education, economics, politics, and the mass media. (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/college 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 course 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-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. (CR)

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, 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. (GC)

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)

LE-230        Basic Public Safety Dispatcher  
30.00 hrs lecture, 90.00 hrs lab  
Units: 3.00  
Advisory: Eligible for ENGL-151B  
This course is designed to provide public safety dispatchers with the necessary skills and knowledge to perform their job. Curriculum includes computer systems, familiarization, legal updates, communications techniques, etc. The course will contain POST curriculum, as well as local training mandates. Repeatable = 5 times (CR)
LE-235A1  Basic Public Safety Dispatcher Update  
10.00 hrs lecture, 30.00 hrs lab  
Units: 1.00  
Advisory: Basic Public Safety Dispatch or equivalent  
This course is designed to provide necessary and required continuing professional training to public safety dispatches as required by The Commission on Peace Officer Standards and Training (POST). Topics include radio procedures, radio systems, telephone procedures, legal updates and emergency dispatching techniques. POST certified. Repeatable = 5 times (CR)

LE-235A2  Basic Public Safety Dispatcher Update  
20.00 hrs lecture, 60.00 hrs lab  
Units: 2.00  
Advisory: Basic Public Safety Dispatch or equivalent  
This course is designed to provide necessary and required continuing professional training to public safety dispatches as required by The Commission on Peace Officer Standards and Training (POST). Topics include radio procedures, radio systems, telephone procedures, legal updates, and emergency dispatching techniques. POST certified. Repeatable = 5 times (CR)

LE-235A3  Basic Public Safety Dispatcher Update  
30.00 hrs lecture, 90.00 hrs lab  
Units: 3.00  
Advisory: Basic Public Safety Dispatch or equivalent  
This course is designed to provide necessary and required continuing professional training to public safety dispatches as required by The Commission on Peace Officer Standards and Training (POST). Topics include radio procedures, radio systems, telephone procedures, legal updates, and emergency dispatching techniques. POST certified. Repeatable = 5 times (CR)

LE-240  Communications Training Officer  
32.00 hrs lecture, 8.00 hrs lab  
Units: 1.00  
Advisory: Basic Public Safety Dispatch or equivalent  
This course is to educate communications trainers to their responsibilities and roles in training new dispatchers. This course will provide students with the skills necessary to effectively manage the demand of their specific training assignment. This program includes topics as The Role of the Trainer, Elements of Instruction, Legal Aspects and Liabilities, Evaluations and Documentation, Critical Incident Stress, and practical exercises. Repeatable = 5 times (GR)

LE-245A  Emergency Medical Dispatcher  
18.00 hrs lecture, 6.00 hrs lab  
Units: 0.50  
This course is designed to provide public safety dispatchers with the general knowledge of how the emergency system operates and the services that are available. It includes medical dispatch orientation, basic telecommunications, allocation of EMS resources, medico-legal considerations, introduction to the Pre-Arrival Instruction Program, treatment sequence cards, pre-arrival instruction cards, interactive scenarios, multi-casualty incident/disasters, quality assurance program, and critical incident stress management. Repeatable = 5 times (GR)

LE-245A1  Emergency Medical Dispatcher  
30.00 hrs lecture, 10.00 hrs lab  
Units: 1.00  
This course is designed to provide public safety dispatchers with the general knowledge of how the emergency system operates and the services that are available. It includes medical dispatch orientation, basic telecommunications, allocation of EMS resources, medico-legal considerations, and introduction to the Pre-Arrival Instruction Program, treatment sequence cards, pre-arrival instruction cards, interactive scenarios, multi-casualty incident/disasters, quality assurance program, and critical incident stress management. Repeatable = 5 times (GR)

LEARNING SKILLS PROGRAM (LSP)

LSP-101  Learning Skills: Writing Fundamentals  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: Approval of DSPS counselor  
This course assists students with learning challenges to develop 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 and assistive technology will be taught with an emphasis on multi-modal learning. Not applicable to associate degree. Repeatable = 3 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/retention 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/Ohlone College WorkAbility III (WAIII) 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, 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 (LS)  
Division: Business, Technology, and Learning Resources  
Dean: Lesley Buehler  
Executive Assistant: Sila Marques  
Location: Fremont campus, Room 1302  
Phone number: (510) 659-6080

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 information retrieval and evaluation. Students choose a topic, design a research strategy, find and evaluate online and print sources relating to their topic, and create an annotated bibliography as a final project. (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 focuses on finding and evaluating information on the Internet for academic research. It introduces students to the principles of Internet search strategies, citation styles, and how to avoid plagiarism. (CR)

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, inverse trigonometric functions, applications of the derivative, 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, and selected applications. (GR)

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**Did you know?**

Ohlone has the third best rate in the state for students who started a basic skills math course and then were successful in transfer level math.  
*Source: Accountability Reporting for Community Colleges*
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites/Advisory/Placement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-151</td>
<td>Algebra I</td>
<td>5.00</td>
<td>MATH-191 or placement evaluation</td>
<td>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)</td>
</tr>
<tr>
<td>MATH-151A</td>
<td>Algebra I (Part 1)</td>
<td>2.50</td>
<td>MATH-191 or placement evaluation</td>
<td>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)</td>
</tr>
<tr>
<td>MATH-151B</td>
<td>Algebra I (Part 2)</td>
<td>2.50</td>
<td>MATH-151A</td>
<td>This course includes exponents, polynomials, factoring, rational expressions, and applications. Not applicable to associate degree. (GR)</td>
</tr>
<tr>
<td>MATH-152</td>
<td>Algebra II</td>
<td>5.00</td>
<td>MATH-151; MATH-151A and MATH-151B; or placement evaluation</td>
<td>This course includes the study of relations and functions and their graphs, quadratic equations, parabolas, exponential and logarithmic functions, and sigma notation. (GR)</td>
</tr>
<tr>
<td>MATH-152A</td>
<td>Algebra II (Part 1)</td>
<td>2.50</td>
<td>MATH-151; MATH-151A and MATH-151B; or placement evaluation</td>
<td>This course includes the study of functions, systems of linear equations, inequalities, radical expressions, equations, problem solving, and complex numbers. (GR)</td>
</tr>
<tr>
<td>MATH-152B</td>
<td>Algebra II (Part 2)</td>
<td>2.50</td>
<td>MATH-152A or placement evaluation</td>
<td>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)</td>
</tr>
<tr>
<td>MATH-153</td>
<td>Intermediate Algebra</td>
<td>3.00</td>
<td>MATH-151; MATH-151A and MATH-151B; or placement evaluation</td>
<td>This course includes the study of relations and functions and their graphs, quadratic equations, parabolas, exponential and logarithmic functions, and sigma notation. (GR)</td>
</tr>
<tr>
<td>MATH-155</td>
<td>Math for the Associate Degree</td>
<td>3.00</td>
<td>MATH-151 or placement evaluation</td>
<td>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)</td>
</tr>
<tr>
<td>MATH-156</td>
<td>Math for Liberal Arts</td>
<td>3.00</td>
<td>MATH-152, MATH-153, or placement evaluation</td>
<td>Accepted For Credit: CSU &amp; UC</td>
</tr>
<tr>
<td>MATH-159</td>
<td>Introduction to Statistics</td>
<td>3.00</td>
<td>MATH-152, MATH-153, or placement evaluation</td>
<td>Accepted For Credit: CSU &amp; UC</td>
</tr>
<tr>
<td>MATH-163</td>
<td>Discrete Mathematics for Computers</td>
<td>3.00</td>
<td>MATH-101A and MATH-101B</td>
<td>Accepted For Credit: CSU &amp; UC</td>
</tr>
<tr>
<td>MATH-166</td>
<td>Finite Mathematics</td>
<td>4.00</td>
<td>MATH-152 or MATH-152B</td>
<td>Accepted For Credit: CSU &amp; UC</td>
</tr>
</tbody>
</table>

This course includes the study of systems of equations, relations, functions and their graphs, conic sections, exponential and logarithmic functions, and sigma notation. (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. 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  
graphs. This course also 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  
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 = 3 times (NG)  

MULTIMEDIA (MM)  
Division:  Arts and Social Sciences  
Dean:  Walter Birkedahl  
Executive Assistant:  Sheila Holland  
Location:  Fremont campus, Smith Center, Room 147  
Phone number:  (510) 659-6216  

MM-102A  Introduction to Multimedia  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU  
Explore technical, artistic, 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-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, techniques to display sound, and animation and  
video. (GC)
MM-106 Advanced Web Site Design  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Prerequisite: MM-105  
Accepted For Credit: CSU  
This course introduces students to advanced techniques in Web site design. In addition to industry standard software like Dreamweaver, Photoshop, and Fireworks CS6, this course focuses on CSS for layout, user experience design, and navigation. Other topics include rapid prototyping; forms; Ajax, jQuery, and Spry; dynamic image galleries; accessibility; building accessible and flexible layouts for screen, tablets, and mobile devices; 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)

MM-109 Flash  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: CS-101  
Accepted For Credit: CSU  
Learn the essential tools in Flash for creating graphics, character animations, interactive interfaces, games, and interactive content for the Web. In addition to animation, the course introduces students to basic ActionScript, the powerful programming language in Flash, to control the timeline, properties of symbols, and user input. (GC)

MM-110 Digital Video for Web and DVD  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Cross-referenced Course: BRDC-110  
Advisory: MM-102A  
Accepted For Credit: CSU  
This course is a hands-on introduction to digital video to develop media production skills. The course will combine hands-on demonstrations, technical workshops, readings, discussion, and critiques. Topics include preproduction, creating stories, camera shots, composition, editing (iMovie and Final Cut), transitions, video file formats, compression, special effects, producing video for You Tube, Web sites, and DVD. (GR)

MM-111 Mobile Application Development  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Prerequisite: MM-105  
Accepted For Credit: CSU  
This course is a practical and project-oriented introduction to creating Web and native applications for mobile platforms, specifically for Apple iOS, and Android devices. Topics covered include user interface design, software design patterns, application architectures, Dreamweaver’s mobile templates, jQuery Mobile, and PhoneGap. (GC)

MM-112 Textures for 3D  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: MM-102A, MM-121A  
Students will learn different techniques to enhance 3D objects and environments using 3D modeling and 2D paint software. The topics covered are painting textures, manipulating digital images, texture mapping, lighting techniques, camera shots, applying principles of art, design to 3D imagery, and rendering images for multimedia and print. (GC)

MM-113 Advanced 3D Modeling and Animation  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Prerequisite: MM-121A  
Accepted For Credit: CSU  
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)

MM-114 Introduction to Video Game Design  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU  
This course 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)

MM-115 Video Game Development  
36.00 hrs lecture, 108.00 hrs lab  
Units: 3.00  
Prerequisite: MM-118 and MM-121A  
Advisory: MM-114 and MM-121B  
Accepted For Credit: CSU  
This course 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. (GR)

MM-116 3D Animation  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: CS-101  
Accepted For Credit: CSU  
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)
**MM-160 Multimedia Portfolio Development**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Prerequisite: MM-102A  
Accepted For Credit: CSU  
This course will focus on the development of student portfolios for the purpose of presentation on the Web. Students will learn about the “cultures” of the multimedia industry, review job roles and responsibilities, go on field trips, and get advice from professionals in the industry. Topics covered include creating a digital portfolio for the Web, evaluation of student work, resources in multimedia, preparing a resume, designing and producing business cards, preparing contracts, job hunting techniques, and preparing for a job interview. (GR)

**MM-162 XHTML**  
36.00 hrs lecture, 108.00 hrs lab  
Units: 4.00  
Cross-referenced Course: CS-162  
Advisory: CS-101, CNET 101, or CS-101A  
Accepted For Credit: CSU  
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, working with eXtensible Markup Language (XML), and eXtensible Stylesheet Language (XSL). (GC)

**MUS (MUS)**

**Division:** Arts and Social Sciences  
**Dean:** Walter Birkedahl  
**Executive Assistant:** Sheila Holland  
**Location:** Fremont campus, Smith Center, Room 147  
**Phone number:** (510) 659-6216

**MUS-100 Survey of the Arts**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: ART-100, IS-100, TD-100  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
In this course theatre, art, 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)

**MUS-101 Music Appreciation: Western Classical Music**  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
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. C-ID MUS 100 (GR)

**MUS-102 Music Appreciation**  
54.00 hrs lecture, 18.00 hrs lab  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
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)

**MUS-103 Fundamentals of Music**  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
This is an introductory course for students investigating the study of musical notation, keys, scales, chords, and ear training. C-ID MUS 110 (GC)

**MUS-104 Music of World Cultures**  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
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)

**MUS-108 Songwriting**  
36.00 hrs lecture  
Units: 2.00  
Accepted For Credit: CSU  
This course will expose students to the analytical processes, compositional techniques, and marketing fundamentals involved in the business of commercial songwriting. Song demos will be created in the computer program GarageBand. Final projects will be played and recorded by live musicians in the Ohlone recording studio. Ability to play guitar or piano will be extremely helpful. (GR)

**MUS-110A Music Theory and Harmony**  
54.00 hrs lecture  
Units: 3.00  
Corequisite: MUS-111B  
Accepted For Credit: CSU & UC  
This course includes the study of major and minor scales, modal tonality, chord construction, rhythmic meters, and the introductory analysis of diatonic harmony and non-harmonic tones. This course is the first in the four-semester theory sequence. (GR)

**MUS-110B Harmony**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: MUS-110A  
Corequisite: MUS-111B  
Accepted For Credit: CSU & UC  
This course includes the study of diatonic harmony in major keys, major and minor triads, 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)
MUS-110C **Advanced Harmony**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: MUS-110A and MUS-110B  
Corequisite: MUS-111C  
Accepted For Credit: CSU & UC  
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. C-ID MUS 140 (GR)

MUS-110D **Advanced Harmony**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: MUS-110C  
Corequisite: MUS-111D  
Accepted For Credit: CSU & UC  
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 fourth of a four-semester theory sequence. C-ID MUS 150 (GR)

MUS-111A **Musicianship I**  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Corequisite: MUS-110A  
Accepted For Credit: CSU & UC  
This course develops facility in sight singing, ear training, and the ability to take musical-dictation. C-ID MUS 125 (GR)

MUS-111B **Musicianship II**  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Prerequisite: MUS-111A  
Accepted For Credit: CSU & UC  
This course continues the development and application of skills in sight singing, ear training, and the ability to take musical dictation. This curriculum parallels the analytical concepts presented in MUS-110B, Harmony. (GR)

MUS-111C **Musicianship III**  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Prerequisite: MUS-111B  
Corequisite: MUS-110C  
Accepted For Credit: CSU & UC  
This course continues the development and application of skills in sight singing, ear training, and the ability to take musical dictation. This curriculum parallels the analytical concepts presented in MUS-110C, Advanced Harmony. C-ID MUS 145 (GR)

MUS-111D **Musicianship IV**  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Prerequisite: MUS-111C  
Corequisite: MUS-110D  
Accepted For Credit: CSU & UC  
This course continues the development and application of skills in sight singing, ear training, and the ability to take musical dictation. This curriculum parallels the analytical concepts presented in MUS-110D, Advanced Harmony. C-ID MUS 155 (GR)

MUS-112A **Pro Tools 101**  
54.00 hrs lecture, 18.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU  
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)

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-112C **Pro Tools 201**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Cross-referenced Course: BRDC-132  
Accepted For Credit: CSU  
This course covers the core concepts and skills needed to operate a Digidesign Pro Tools/HD system in a professional studio environment. Topics include advanced selection and editing techniques; using automation; mixing; in-depth plug-in usage, and more. (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**  
36.00 hrs lecture, 54.00 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**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: MUS-112A, MUS-112B  
Accepted For Credit: CSU  
The lecture component covers basic techniques for live concert sound reinforcement, including basic sound system theory/applications, 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 1950s through the 1960s, 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 self-paced group piano lessons for beginners and students who wish to develop elementary skill at the keyboard. The course 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. The course fulfills part of the performance requirements for the Piano Performance Certificate. (GC)
MUS-160E 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. The course 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. The course fulfills part of the performance requirements for the Piano Performance Certificate. (GR)

MUS-160F Piano Repertoire  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Advisory: MUS-160E  
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. The course 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. (GR)

MUS-161A Class Guitar  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  
This course is group instruction giving students the opportunity to experience playing the guitar in solo, accompaniment, and ensemble settings. The repertoire represents all stylistic periods. Students must provide their own guitar. (GR)

MUS-161B Class Guitar  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Prerequisite: Demonstrate ability to read music for MUS-161B  
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-161D Class Guitar  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Prerequisite: Demonstrate ability to read music for MUS-161D  
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-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-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-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 in correct tone production, diction, and stage presence. Style interpretation will be stressed in each lesson. 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 in correct tone production, diction, and stage presence. Style interpretation will be stressed in each lesson. 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
Advisory: MUS-163A
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
Advisory: MUS-163B
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
Advisory: MUS-163C
Accepted For Credit: CSU & UC
This course involves class instruction on all orchestral-woodwind instruments. (GC)

MUS-164A Brass Instruments
(Horn, Trumpet, Trombone, Tuba)
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Accepted For Credit: CSU & UC
This course involves class instruction on all orchestral-brass instruments. MUS-164A is open to all students. No experience is necessary. (GC)

MUS-164B Brass Instruments
(Horn, Trumpet, Trombone, Tuba)
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Advisory: MUS-164A
Accepted For Credit: CSU & UC
This course involves class instruction on all orchestral-brass instruments. (GC)

MUS-164C Brass Instruments
(Horn, Trumpet, Trombone, Tuba)
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Advisory: MUS-164B
Accepted For Credit: CSU & UC
This course involves class instruction on all orchestral-brass instruments. (GC)

MUS-164D Brass Instruments
(Horn, Trumpet, Trombone, Tuba)
18.00 hrs lecture, 36.00 hrs lab
Units: 1.00
Advisory: MUS-164C
Accepted For Credit: CSU & UC
This course involves class instruction on all orchestral-brass instruments. (GC)

MUS-165A 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. Students must be concurrently enrolled in private instruction. 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. Repeatable = 3 times (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, 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  
Prerequisite: MUS-352  
Accepted For Credit: CSU  
This course is an advanced live-performance workshop for all instrumentalists and singers. The course 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  
Advisory: Ability to read music  
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)

MUS-358 Community Chorale  
54.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU  
This course is a large, "oratorio" style choir designed for the campus/community singer. The course is non-audition choir for those interested in singing with a large ensemble. (GC)

MUS-369 Jazz, Rock, Pop, Blues Piano  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  
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)

MUS-370 Symphonic Band  
54.00 hrs lab  
Units: 0.50  
Advisory: Audition  
Accepted For Credit: CSU & UC  
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)
MUS-371  Mixed Wind Ensemble
54.00 hrs lab
Units: 0.50
Advisory: Audition
Accepted For Credit: CSU & UC
This course includes the study and performance of “one player per part” wind literature. Emphasis will be placed on solo preparation and execution. Attendance at scheduled rehearsals and performances is required. Repeatable = 3 times (GR)

MUS-374  Community Orchestra
54.00 hrs lab
Units: 0.50
Advisory: Audition
Accepted For Credit: CSU & UC
This course features the study and performance of both chamber and full symphonic orchestra repertoire. The literature represents all stylistic periods. (GR)

MUS-380  Musical Theatre Workshop I (Principals)
54.00 hrs lab
Units: 1.00
Prerequisite: Audition and casting role in current musical
Accepted For Credit: CSU & UC
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)

MUS-381  Musical Theatre Workshop II (Chorus)
54.00 hrs lab
Units: 1.00
Prerequisite: Audition and casting role in current musical
Accepted For Credit: CSU & UC
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)

MUS-382  Musical Theatre Workshop III (Instrumental)
54.00 hrs lab
Units: 0.50
Prerequisite: Demonstrate ability to read music
Accepted For Credit: CSU & UC
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 “pit musician.” Repeatable = 3 times (GC)

MUS-394  Madrigals
54.00 hrs lab
Units: 1.00
Prerequisite: Audition only
Advisory: Ability to sight read music
Accepted For Credit: CSU & UC
This course is an audition-only choir ensemble of trained community/campus singers who specialize in choral music from the “show choir/vocal jazz choir” repertoire. Repeatable = 3 times (GC)

NURSING (NUR)

NUR-117  Critical Thinking Development-Intensive
27.00 hrs lab
Units: 0.50
Corequisite: Enrollment in the Nursing Program (NUR-301 through NUR-307)
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)

NUR-118  Strategies for Success
9.00 hrs lecture
Units: 0.50
Advisory: Students who are planning to enroll in or are already enrolled in a Nursing or Allied Health course are eligible to register in this course.
This course introduces basic study skills necessary for student success in the Nursing and Allied Health programs. 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)
NUR-119  Strategies for the RN Student
36.00 hrs lecture
Units: 2.00
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)

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, 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)

Did you know?
California community colleges educate
70% of our state’s nurses.
Source: Community College League of California
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/sensory 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
45.00 hrs lecture, 135.00 hrs lab
Units: 5.00
Prerequisite: NUR-305
Accepted For Credit: CSU
Nursing 306 is the sixth course in the nursing sequence. The course’s 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 CEU is available for RNs. Not applicable to associate degree. (CR)
PERSONAL DEVELOPMENT (PD)

Division: Counseling
Dean: Susan Gutkind
Executive Assistant: Barbara Richardson
Location: Fremont campus, Room 7322
Phone number: (510) 659-6037

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)

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 in Life Transitions
54.00 hrs lecture
Units: 3.00
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
Through the context of transferring from a community college to a university, this course will introduce students to appropriate life skills that can help them achieve greater success in their educational, personal, and professional lives. The course is designed specifically for students interested in successfully navigating the process of transferring to a college or university. Topics include self-awareness; goal setting; motivation; learning styles; critical thinking; decision making; degree options; university systems and transfer programs; education planning; time management and procrastination; money management and financial aid; effective communication; unique transitional considerations for transfer students; and maintaining a healthy lifestyle. (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, 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, 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, 27.00 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)

PD-170  Welcome Day: The Freshman Connection
9.00 hrs lecture
Units: 0.50
Accepted For Credit: CSU
Various workshops will be taught by counselors, faculty, and administrators to help students make the transition to college. They will learn how to be successful in college, what college services are available to them, and where things are located on campus. The course includes a guaranteed follow-up counseling appointment. (CR)

PD-180  Peer Mentoring
36.00 hrs lecture
Units: 2.00
Accepted For Credit: CSU
This course is an introduction to peer mentoring. Students learn about interpersonal communication, principles of counseling and advising, and theories of student development. Students have the opportunity to act as peer mentors for new Ohlone students. (GC)

PD-240  College Success for Pre-Health Science Majors
36.00 hrs lecture
Units: 2.00
Accepted For Credit: CSU
This course is an introduction to Ohlone College health science programs, academic policies, and resources. This course also provides students with information on learning strategies and self motivation/management. (GC)

PD-241  College Success for Athletes
36.00 hrs lecture
Units: 2.00
Cross-referenced Course: KIN-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, 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)

PHILOSOPHY (PHIL)

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?” C-ID PHIL 100 (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 Pre-Socratic, Socrates, Plato, Aristotle, and post-Socratics 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, Hobbes, Locke, Berkeley, Hume, Kant, and contemporary philosophers. C-ID PHIL 140 (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
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course examines the major ethical systems and contemporary moral issues. Ethical theories include Kantianism, Utilitarianism, Virtue Theory, and ethics of care. Moral issues will include euthanasia, abortion, the death penalty, animal rights, obligations to charity. C-ID PHIL 120 (GC)

PHIL-107  Practical Reasoning
54.00 hrs lecture
Units: 3.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU
This is a practical examination of reasoning and argumentation illustrated by topics drawn from everyday life. Topics examined include the structure and form of arguments, informal fallacies, and ways in which cultural, social, and psychological factors support or detract from the reasoning process. (GR)
PHIL-109A  Understanding the Old Testament
54.00 hrs lecture
Units: 3.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course 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-109B  Understanding the New Testament
54.00 hrs lecture
Units: 3.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
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
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
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-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 (PE)

Division: Kinesiology and Athletics
Dean: Christopher Warden
Executive Assistant: Laura Martinez
Location: Fremont campus, Room 9303
Phone number: (510) 659-6044

PE-250  Fitness Camp
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Advisory: Medical check within the last year
Accepted For Credit: CSU & UC
This lifetime fitness and wellness course for men and women will emphasize total body fitness through aerobic activity, strength training, and stretching. Fitness and wellness-related lecture and lab activities will address cardiorespiratory endurance, muscular strength and endurance, safe and effective activity principles, basic nutrition principles, weight management strategies, and risk factors for disease. (GC)

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  Beginning 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
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
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-303C2 Advanced Soccer**
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 wishing to learn the advanced strategies and skills of soccer. This course is recommended for the competitive soccer player. (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 compete 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-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 students 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)

**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.

**PE-336A3 Express Cardio**
54.00 hrs lab
Units: 1.00
Advisory: Medical check within the last year
Accepted For Credit: CSU
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: 0.50  
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)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-350D2</td>
<td>Competitive Swimming</td>
<td>0.50</td>
<td>Ability to swim 1200 yards in under 20 minutes, Medical check within the last year</td>
<td>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)</td>
</tr>
<tr>
<td>PE-350D3</td>
<td>Competitive Swimming</td>
<td>1.00</td>
<td>Ability to swim 1200 yards in under 20 minutes, Medical check within the last year</td>
<td>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)</td>
</tr>
<tr>
<td>PE-351A2</td>
<td>Aquatic Conditioning</td>
<td>0.50</td>
<td>Medical check within the last year</td>
<td>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)</td>
</tr>
<tr>
<td>PE-351A3</td>
<td>Aquatic Conditioning</td>
<td>1.00</td>
<td>Medical check within the last year</td>
<td>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)</td>
</tr>
<tr>
<td>PE-353A2</td>
<td>Water Polo</td>
<td>0.50</td>
<td>Medical check within the last year</td>
<td>This PE course is designed for students wishing to learn the fundamentals of water polo. (GC)</td>
</tr>
<tr>
<td>PE-353B2</td>
<td>Intermediate Water Polo</td>
<td>0.50</td>
<td>Medical check within the last year</td>
<td>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)</td>
</tr>
<tr>
<td>PE-353C2</td>
<td>Advanced Water Polo</td>
<td>0.50</td>
<td>Medical check within the last year</td>
<td>This course is designed for students wishing to learn the advanced strategies and skills of water polo. This course is recommended for the competitive water polo player. (GC)</td>
</tr>
<tr>
<td>PE-360A2</td>
<td>Badminton</td>
<td>0.50</td>
<td>Medical check within the last year</td>
<td>This course is designed to teach the student the basic fundamentals of badminton including rules and game strategy. (GC)</td>
</tr>
<tr>
<td>PE-360A3</td>
<td>Badminton</td>
<td>1.00</td>
<td>Medical check within the last year</td>
<td>This course is designed to teach the student the basic fundamentals of badminton including rules and game strategy. (GC)</td>
</tr>
<tr>
<td>PE-360B2</td>
<td>Intermediate Badminton</td>
<td>0.50</td>
<td>Medical check within the last year</td>
<td>This course is designed to further develop the techniques and skill level of the badminton player. (GC)</td>
</tr>
<tr>
<td>PE-360B3</td>
<td>Intermediate Badminton</td>
<td>1.00</td>
<td>Medical check within the last year</td>
<td>This course is designed to further develop the techniques and skill level of the badminton player. (GC)</td>
</tr>
<tr>
<td>PE-362A2</td>
<td>Beginning Tennis</td>
<td>0.50</td>
<td>Medical check within the last year</td>
<td>This PE course is designed to teach the basic fundamentals, rules, and strategies pertaining to the game of tennis. (GC)</td>
</tr>
<tr>
<td>PE-362A3</td>
<td>Beginning Tennis</td>
<td>1.00</td>
<td>Medical check within the last year</td>
<td>This PE course is designed to teach the basic fundamentals, rules, and strategies pertaining to the game of tennis. (GC)</td>
</tr>
<tr>
<td>PE-362B2</td>
<td>Intermediate Tennis</td>
<td>0.50</td>
<td>Medical check within the last year</td>
<td>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)</td>
</tr>
<tr>
<td>PE-362B3</td>
<td>Intermediate Tennis</td>
<td>1.00</td>
<td>Medical check within the last year</td>
<td>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)</td>
</tr>
</tbody>
</table>
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)

PE-372A2  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 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 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 & UC
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 leisure activity. Tai Chi practice is suitable for all ages and levels of fitness. 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)
This course will allow the student to increase strength, flexibility, stamina, and concentration through the use of floor exercises. This technique driven course will introduce positions and exercises such as the 100, Roll Downs, Table Top, and Roll Like A Ball. (GC)

PE-379A2  
**Body Sculpting**  
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 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)
**PE-393A2 Adaptive Physical Education – Strength Training**
36.00 hrs lab  
Units: 0.50  
Prerequisite: Statement from student’s physician stating medical limitations  
Accepted For Credit: CSU & UC  
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)

**PE-393A3 Adaptive Physical Education – Strength Training**
54.00 hrs lab  
Units: 1.00  
Prerequisite: Statement from student’s physician stating medical limitations  
Accepted For Credit: CSU & UC  
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)

**PE-394A2 Adaptive Physical Education – Aquatics**
36.00 hrs lab  
Units: 0.50  
Prerequisite: Statement from student’s physician stating medical limitations  
Accepted For Credit: CSU & UC  
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)

**PE-394A3 Adaptive Physical Education – Aquatics**
54.00 hrs lab  
Units: 1.00  
Prerequisite: Statement from student’s physician stating medical limitations  
Accepted For Credit: CSU & UC  
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)

**PE-396A2 Adaptive Physical Education – Striding**
36.00 hrs lab  
Units: 0.50  
Prerequisite: Statement from student’s physician stating medical limitations  
Accepted For Credit: CSU & UC  
This course is designed to meet the needs of the physically limited student in a physical education activity class. Individualized cardiovascular conditioning and gradual endurance exercises are utilized. Repeatable = 5 times (GC)

**PE-397A2 Adaptive Physical Education – Exercise**
36.00 hrs lab  
Units: 0.50  
Prerequisite: Statement from student’s physician stating medical limitations  
Accepted For Credit: CSU & UC  
This course is designed to meet the needs of the physically limited student in a physical education activity class. Individualized fitness and general exercises are utilized. Repeatable = 5 times (GC)

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**PHYSICAL THERAPIST ASSISTANT (PTA)**

**Division:** Health Sciences and Environmental Studies  
**Dean:** Gale Carli  
**Executive Assistant:** JoAnne Serran  
**Executive Assistant:** Zelma Hunter  
**Location:** Newark campus, NC1324  
**Phone number:** (510) 742-3100

**PTA-101 Introduction to Physical Therapy**
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: BIOL-103A and BIOL-103B  
Accepted For Credit: CSU  
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)

**PTA-102 Pathology**
54.00 hrs lecture  
Units: 3.00  
Prerequisite: Admission to the PTA program. All graded PTA courses must be passed with a grade of C or better.  
Accepted For Credit: CSU  
This course introduces common pathological conditions with emphasis on the following systems: musculoskeletal, circulatory, respiratory, gastrointestinal, and genitourinary. The role of physical therapy in the treatment of these conditions is covered as well as interventions commonly performed by the physical therapist assistant. (GR)

**PTA-103 Kinesiology I**
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Prerequisite: Admission to the PTA program. All graded PTA courses must be completed with a grade of C or better.  
Accepted For Credit: CSU  
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)

**PTA-104 Kinesiology II**
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Prerequisite: Admission to the PTA program; PTA-103. All graded PTA courses must be passed with grade of C or better.  
Accepted For Credit: CSU  
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)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<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>
<tr>
<td>PTA-109</td>
<td>Physical Therapy Through the Life Span</td>
<td>2.00</td>
<td>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)</td>
</tr>
<tr>
<td>PTA-110A</td>
<td>Neurological Disorders I</td>
<td>2.00</td>
<td>This course is intended to increase the student's 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. (Formerly PTA-110.) (GR)</td>
</tr>
<tr>
<td>PTA-110B</td>
<td>Neurological Disorders II</td>
<td>2.00</td>
<td>This course is a continuation of PTA-110A and is intended to increase the student's 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 they relate to the clinical picture of the physical therapy patient. (GR)</td>
</tr>
<tr>
<td>PTA-111</td>
<td>Advanced Procedures</td>
<td>2.00</td>
<td>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)</td>
</tr>
<tr>
<td>PTA-140</td>
<td>PTA Licensure Preparation</td>
<td>1.00</td>
<td>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)</td>
</tr>
<tr>
<td>PTA-301</td>
<td>Clinical Practicum I</td>
<td>4.00</td>
<td>This course gives students 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)</td>
</tr>
</tbody>
</table>
Clinical Practicum II
216.00 hrs lab
Units: 4.00
Prerequisite: PTA-301
Corequisite: PTA-105B, PTA-109
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)

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 designed by the instructor. (CR)

PHYSICS (PHYS)

Division: Science, Engineering, and Mathematics
Dean: Mike Holtzclaw
Executive Assistant: Irene Benavidez
Location: Fremont campus, Room 8203
Phone number: (510) 659-6191

Survey of Physics
54.00 hrs lecture
Units: 3.00
Advisory: Eligible for ENGL-151B, ENGL-163, and MATH-151
Accepted For Credit: CSU & UC
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)

Introduction to Physics I
54.00 hrs lecture, 54.00 hrs lab
Units: 4.00
Prerequisite: MATH-181
Accepted For Credit: CSU & UC
This course is a study of Newtonian mechanics, energy, transformations, gases, liquids, and solids. Periodic motion and waves will also be studied. C-ID PHYS 105 (GR)

Introduction to Physics – Calculus Supplement
18.00 hrs lecture
Units: 1.00
Prerequisite: PHYS-120
Accepted For Credit: CSU & UC
This is an introduction to basic concepts of Calculus with applications to Physics Mechanics. (GR)

Introduction to Physics II
54.00 hrs lecture, 54.00 hrs lab
Units: 4.00
Prerequisite: PHYS-120
Accepted For Credit: CSU & UC
This course is a continuation of PHYS-120 and covers light and optics, electricity, magnetism, and modern physics. C-ID PHYS 110 (GR)

Introduction to Physics II – Calculus Supplement
18.00 hrs lecture
Units: 1.00
Prerequisite: MATH-101A and PHYS-120
Accepted For Credit: CSU & UC
This is an introduction to Calculus as applied to problems of electromagnetism. (GR)

Mechanics
54.00 hrs lecture, 54.00 hrs lab
Units: 4.00
Prerequisite: MATH-101A
Accepted For Credit: CSU & UC
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)
POLITICAL SCIENCE (PS)

Division: Arts and Social Sciences
Dean: Walter Birkedahl
Executive Assistant: Sheila Holland
Location: Fremont campus, Smith Center, Room 147
Phone number: (510) 659-6216

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. The course emphasizes problems of individual rights, popular representation, and responsible leadership at the federal, state, and local levels. (GC)

PSYCHOLOGY (PSY)

Division: Arts and Social Sciences
Dean: Walter Birkedahl
Executive Assistant: Sheila Holland
Location: Fremont campus, Smith Center, Room 147
Phone number: (510) 659-6216

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, concepts, methods, and research findings in psychology. Topics include the biological bases of behavior, perception, cognition, consciousness, learning, memory, emotion, motivation, development, personality, social psychology, psychological disorders, therapeutic approaches, and applied psychology. C-ID PSY 110 (GR)
include: aggression, prejudice and stereotypes, interpersonal attraction, attitudes, attitude change, conformity, group social environment. The power of the situation, other individuals, development problems. C-ID PSY 180 (GC)

This course considers individual human behavior in relation to the social environment. The power of the situation, other individuals, and the social group will be examined. Emphasized topics include: aggression, prejudice and stereotypes, interpersonal attraction, attitudes, attitude change, conformity, group phenomena, gender roles, cultural norms, person perception, and social cognition. (GC)
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
Advisory: RE-121
Accepted For Credit: CSU
This course covers the various types of lenders, their policies, and the market they serve. It will present basic terminology, official agencies, and private enterprise essential to real estate finance including secondary markets, conventional lenders, and FHA/VA policies. This is one of the required courses for the State of California Real Estate Broker's Examination. (GR)

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)

RESPIRATORY THERAPIST (RT)
Division: Health Sciences and Environmental Studies
Dean: Gale Carli
Executive Assistant: JoAnne Serran
Executive Assistant: Zelma Hunter
Location: Newark campus, NC1324
Phone number: (510) 742-3100

RT-101 Principles of Respiratory Therapy I
54.00 hrs lecture
Units: 3.00
Prerequisite: Admission to the Respiratory Therapy program
Accepted For Credit: CSU
This course presents basic theory and rationale for respiratory care. The course includes the history and organization of respiratory therapy services, basic cardiopulmonary anatomy, physiology, medical gas therapy theory, and an introduction to pathophysiology. (GR)

RT-101L Beginning Clinical Practice
54.00 hrs lab
Units: 1.00
Corequisite: RT-101, RT-102, RT-103
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; BIOI-103A; CHEM-109
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-104A  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, aerosol therapy, beginning cardiac anatomy, physiology, and respiratory care pharmacology. (GR)

RT-104B  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, hypoxia, beginning acid base balance, and arterial blood gas analysis. (GR)

RT-105A  Intermediate Laboratory I
54.00 hrs lab
Units: 1.00
Prerequisite: RT-101
Accepted For Credit: CSU
This course provides laboratory practice of intermediate-level therapist skills including chest assessment, volume expansion therapy, chest physical therapy, and basic airway management techniques. (CR)

RT-105B  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)

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, technical skills including assessment, oxygen therapy, humidity, 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, electrocardiogram interpretation, 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, 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, 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)
Did you know?

Ohlone’s Respiratory Therapist program was recognized in 2013 by the Commission on Accreditation for Respiratory Care (CoARC) for receiving the Distinguished RRT Credentialing Success Award! The award is based on three or more years of data, holding accreditation without having a required progress report, a documented credentialing success rate of 90% or higher, and meeting or exceeding established thresholds for success, attrition, and job placements. 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.

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, 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 discontinuance 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: RT-132
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-132
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: RT-132
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-132
Accepted For Credit: CSU
This course provides supervised clinical experience 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 Respiratory Therapist 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
Prerequisite: Admission to the Respiratory Therapist program
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)
SOCIOLOGY (SOC)

Division: Arts and Social Sciences
Dean: Walter Birkedahl
Executive Assistant: Sheila Holland
Location: Fremont campus, Smith Center, Room 147
Phone number: (510) 659-6216

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. The course covers a 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, 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
Prerequisite: SOC-101
Advisory: ENGL-101A
Accepted For Credit: CSU & UC
This course introduces students to research methods used in the social sciences. It examines critical issues, 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. C-ID SOCI 120 (GC)

SOC-105 Marriage and Family
54.00 hrs lecture
Units: 3.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course deals with analysis of the family as an institution including historical and recent changes, present nature, sociocultural, and economic forces shaping these changes. Emphasis is also placed on developing interpersonal relationships, mate selection, marital and parental roles. This course will study alternative lifestyles, sex roles in transition, and survey of current literature. C-ID SOCI 130 (GR)

SOC-106 Chicano/Latino Culture
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: CHS-101
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course examines the social, cultural, political, and economic heritage of the Chicanos and their contribution to American society. (GR)

SOC-108 Social Inequalities
54.00 hrs lecture
Units: 3.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course focuses on various forms of social inequalities that exist within the U.S. It examines patterns of economic, status, and political inequalities on the basis of multiple factors such as class, gender, sexual orientation, race, and ethnicity. The course analyzes classical and contemporary explanations of inequalities and the consequences of inequalities on individuals and groups. It also explores social mobility and changes in the system of inequalities. (GC)

SOC-142 Sociology of Sport
54.00 hrs lecture
Units: 3.00
Cross-referenced Course: KIN-242
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)

SPANISH (SPAN)

Division: Language and Communication
Dean: Mark Lieu
Executive Assistant: Kathleen Martinez
Location: Fremont campus, Room HH-227
Phone number: (510) 659-6173

SPAN-101A Elementary Spanish
54.00 hrs lecture, 18.00 hrs lab
Units: 5.00
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course is an introduction to fundamentals of Spanish grammar through the development of speaking, reading, writing, and listening skills. Course material is presented within the cultural context of Spanish-speaking countries. C-ID SPAN 100 (GR)

SPAN-101B Elementary Spanish
54.00 hrs lecture, 18.00 hrs lab
Units: 5.00
Prerequisite: SPAN-101A or two years high school Spanish
Advisory: Eligible for ENGL-101A
Accepted For Credit: CSU & UC
This course is an introduction to the fundamentals of Spanish grammar through the development of speaking, reading, writing, and listening skills. Course material is presented within the cultural context of Spanish-speaking countries. This course is a continuation of SPAN-101A studies. C-ID SPAN 110 (GR)
SPAN-121A Intermediate Spanish
90.00 hrs lecture, 18.00 hrs lab
Units: 5.00
Prerequisite: SPAN-101A or three years of high school Spanish
Accepted For Credit: CSU & UC
This course is the first half of Intermediate Spanish and a continuation of the SPAN-101 series. The course includes a more in-depth review of grammar, composition, development of conversation skills through an introduction to Spanish and Latin-American literature. Readings include short stories, essays, dramas, poetry, and journalism articles in Spanish. C-ID SPAN 210 (GR)

SPAN-121B Intermediate Spanish
90.00 hrs lecture, 18.00 hrs lab
Units: 5.00
Prerequisite: SPAN-102A
Accepted For Credit: CSU & UC
This course is the second half of Intermediate Spanish and a continuation of SPAN-102A. The course continues with a more in-depth review of advanced grammar, composition, and development of conversation skills through an introduction to Spanish and Latin-American literature. Readings include short stories, essays, dramas, poetry, and journalism articles in Spanish. C-ID SPAN 210 (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, 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 interpersonal and intercultural relationships. Emphasis on giving and receiving feedback, nonverbal communication, and negotiation. 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 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)

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-110A  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. Repeatable = 3 times (GR)

SPCH-110A  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. Repeatable = 3 times (GR)

SPCH-110A  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 Repeatable = 3 times (GR)

SPCH-112A  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. Repeatable = 3 times (GR)

SPCH-112A  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. Repeatable = 3 times (GR)

SPCH-112A  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. Repeatable = 3 times (GR)

SPCH-114A  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-114A  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-114A  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 presentation 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, 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, apply and express cultural identities, and the meanings they produce as communicators and performers. C-ID COMM 170 (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 (TD)**

**Division:** Arts and Social Sciences  
**Dean:** Walter Birkedahl  
**Executive Assistant:** Sheila Holland  
**Location:** Fremont campus, Smith Center, Room 147  
**Phone number:** (510) 659-6216

**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. C-ID THTR 111 (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 course 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  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course is designed for those students who wish to explore and experience the contemporary world of theatre, its cultural differences, and how it relates to film and the entertainment industry. This course examines all aspects of production: designing, producing, the audience experience, and employment opportunities. Students will learn through reading, research, attending live events, student-generated reports, and blogs. (GR)

**TD-110**  Introduction to Acting  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
This course is an examination and application of theatre elements that relate directly to the actor including, but not limited to, criticism, emotion, stage movement, vocal techniques, theatrical terminology, rehearsal and performance techniques, and script analysis. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. C-ID THTR 151 (GR)

**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 principles 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, such as 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. C-ID THTR 152 (GR)
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, 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, 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, presentation techniques for regional, summer stock, film/TV, and festival venues. (GR)

TD-117A1  Audition/Portfolio Preparation  
18.00 hrs lecture, 2700 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, presentation techniques for regional, summer stock, film/TV, and festival venues. (GR)

TD-117A2  Audition/Portfolio Preparation  
2700 hrs lecture, 2700 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, 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 designed for upper level theatre students to study the techniques for 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)  
Accepted For Credit: CSU & UC  
This course 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. C-ID THTR 191 (GR)

TD-120B4  Student Repertory Theatre  
216.00 hrs lab  
Units: 4.00  
Prerequisite: Auditions (for actors only)  
Accepted For Credit: CSU & UC  
This course 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 course 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 course 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: Co-enrollment in a dance technique class  
Accepted For Credit: CSU & UC  
This course 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: Co-enrollment in a dance technique class
Accepted For Credit: CSU & UC
This course 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-122   Rehearsal and Performance
108.00 hrs lab
Units: 2.00
Prerequisite: Audition or tryout
Accepted For Credit: CSU
This course is for students performing in a major college production. Enrollment is for the duration of the production. (GR)

TD-123   Rehearsal and Performance
162.00 hrs lab
Units: 3.00
Prerequisite: Audition or tryout
Accepted For Credit: CSU
This course is for students performing in a major college production. Enrollment is for the duration of the production. (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 course is for students performing in a major college production. C-ID THTR 191 (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, 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, 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, apply, 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-130
Advisory: ENGL-151B
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 course 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 Gary 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 course 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 course 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 course provides students with the opportunity to develop coordination, rhythm, and performances 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 course; 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 Contemporary Dance
18.00 hrs lecture, 54.00 hrs lab
Units: 2.00
Accepted For Credit: CSU & UC
Students will learn basic fundamentals of contemporary dance with emphasis on body alignment, strength, coordination, rhythmic movement, and creative expression. (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-145L Open Dance Lab
36.00 hrs lab
Units: 0.50
Corequisite: Student must be concurrently enrolled in an Ohlone dance course
Accepted For Credit: CSU
The student will have supervised and tutored studio time to perfect skills and techniques learned in a concurrently enrolled dance course. (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, 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, 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. C-ID THTR 173 (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. (GR)

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 covers the costume design process and the history of costumes. Play analysis, rendering, research, fabrics and their uses, and related topics will be addressed. (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
2.00 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), including set construction, lighting, sound, costuming, makeup, stage management, publicity, and house management. C-ID THTR 192 (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, practicum labs, and field trips. Areas covered will include live performance; film and television; themed entertainment and retail; and corporate events and gaming technologies. This course will provide students 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. (GR)

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, 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, 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, 54.00 hrs lab  
Units: 2.00  
Advisory: TD-150; ability to climb ladders and lift 50 pounds  
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-178 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)
WORK EXPERIENCE EDUCATION (WEX)

Division: Business, Technology, and Learning Resources
Dean: Lesley Buehler
Executive Assistant: Sila Marques
Location: Fremont campus, Room 1302
Phone number: (510) 659-6080

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)