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## JAPANESE

Division: Humanities, Social Sciences, and Mathematics

**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)

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## JOURNALISM

Division: Fine Arts, Business, and Communication Studies

**JOUR-101A Newswriting**

54.00 hrs lecture  
Units: 3.00

Prerequisite: ENGL-101A with grade of C or better  
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. (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-145****Digital Photojournalism**

18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00

Cross-referenced Course: ART-145

Advisory: ART-133A or equivalent photographic experience

Accepted For Credit: CSU

This course is designed for students with a career or consumer interest in photography as a communication art. The history, techniques, philosophy, and markets of photojournalism are explored through lectures, discussions, and appropriate photographic assignments. Emphasis is on photography as a complement to printed material. Digital photographic techniques are stressed using scanners and PhotoShop. (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 or equivalent

Accepted For Credit: CSU

Staff members initiate, plan, and complete photographic or graphic art assignments for publication in the campus 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. Repeatable = 3 times to a maximum of 9 units (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 or equivalent

Accepted For Credit: CSU

Staff members initiate, plan and complete photographic or graphic art assignments for publication in the campus 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. Repeatable = 3 times to a maximum of 9 units (GC)

**JOUR-148****Photography/Graphic Arts Newspaper Staff**

18.00 hrs lecture, 108.00 hrs lab  
Units: 3.00

Cross-referenced Course: ART-148

Advisory: ART-106A or ART-133A or equivalent

Accepted For Credit: CSU

Staff members initiate, plan, and complete photographic or graphic art assignments for publication in the campus 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/ART-148 is limited to editors). Repeatable = 3 times to a maximum of 9 units (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 &amp; UC

We swim in an ocean of media. Our thoughts, beliefs, life choices, jobs, government and shopping decisions are all influenced by the media. Most of us complain about it, but we wouldn't turn the media off, even if we could. Yet we don't know much about it. Who decides what messages get sent? What do the senders want? How do we process the messages? How does the technology work? Your media exposure will continue for the rest of your life. This class aims to make you a more informed, critical consumer. (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 campus newspaper, the *Monitor*. 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. Repeatable = 3 times to a maximum of 9 units for JOUR-170-172 (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 campus newspaper, the *Monitor*. They also write columns and editorials. Working as a team, the staff plans and designs each issue. JOUR-171 students contribute two stories and help with layout. Repeatable = 3 times for a maximum of 9 units for JOUR-170-172 (GR)

**JOUR-172 Newspaper Writing and Editing Staff**

18.00 hrs lecture, 108.00 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 campus newspaper, the *Monitor*. They also write columns and editorials. Working as team, the staff plans and designs each issue. JOUR-172 students are usually editors and senior writers. Repeatable = 3 times to a maximum of 9 units for JOUR-170-172 (GR)

**JOUR-173 Magazine Writing and Editing Staff**

9.00 hrs lecture, 27.00 hrs lab

Units: 1.00

Advisory: Eligible for ENGL-151B

Accepted For Credit: CSU

This course offers students practical experience in preparing feature, informative, and/or literary materials for the student magazine. They also plan and design the publication and conduct an annual literary-art contest. JOUR-173 is for specialized writers. Repeatable = 3 times to a maximum of 9 units for JOUR-173-175 (GR)

**JOUR-174 Magazine Writing and Editing Staff**

18.00 hrs lecture, 54.00 hrs lab

Units: 2.00

Advisory: Eligible for ENGL-151B

Accepted For Credit: CSU

This course offers students practical experience in preparing feature, informative, and/or literary materials for the student magazine. They also plan and design the publication and conduct an annual literary-art contest. JOUR-174 is for writers. Repeatable = 3 times to a maximum of 9 units for JOUR-173-175 (GR)

**JOUR-175 Magazine Writing and Editing Staff**

18.00 hrs lecture, 108.00 hrs lab

Units: 3.00

Advisory: Eligible for ENGL-151B

Accepted For Credit: CSU

This course offers students practical experience in preparing feature, informative, and/or literary materials for the student magazine. They also plan and design the publication and conduct an annual literary-art contest. JOUR-175 is limited to editors. Repeatable = 3 times to a maximum of 9 units for JOUR-173-175 (GR)

**JOUR-176 Advertising Staff**

9.00 hrs lecture, 27.00 hrs lab

Units: 1.00

Advisory: BA-129 and/or ART/GA-109B

Accepted For Credit: CSU

This course offers practical experience in advertising production related to the student newspaper, magazine, and special college projects. Staff members sell, design, and paste-up ads, maintain regular accounts, and solicit new advertisers. Repeatable = 3 times to a maximum of 9 units for JOUR-176-178 (GR)

**JOUR-177 Advertising Staff**

18.00 hrs lecture, 54.00 hrs lab

Units: 2.00

Advisory: BA-129 and/or ART/GA-109B

Accepted For Credit: CSU

This course offers practical experience in advertising production related to the student newspaper, magazine, and special college projects. Staff members sell, design, and paste-up ads, maintain regular accounts, and solicit new advertisers. Repeatable = 3 times to a maximum of 9 units for JOUR-176-178 (GR)

**JOUR-178 Advertising Staff**

18.00 hrs lecture, 108.00 hrs lab

Units: 3.00

Advisory: BA-129 and/or ART/GA-109B

Accepted For Credit: CSU

This course offers practical experience in advertising production related to the student newspaper, magazine, and special college projects. Staff members sell, design, and paste-up ads, maintain regular accounts, and solicit new advertisers. Repeatable = 3 times to a maximum of 9 units for JOUR-176-178 (GR)

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## KINESIOLOGY

Division: Athletics and Exercise Science

### **KIN-240 Theory of Physical Education, Fitness, and Sport**

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 class will be the career options covering areas such as exercise physiology, biomechanics, motor learning, sports pedagogy, sports sociology, and related areas in athletic training, sports management, and allied health. (GC)

### **KIN-241 College Success for Athletes**

36.00 hrs lecture

Units: 2.00

Cross-referenced Course: PD-241

Accepted For Credit: CSU

This course is designed for new student-athletes to assist with the adjustment to college level academics and athletics. The focus is on application of learning strategies, academic planning, time management, transfer and eligibility guidelines, life skills and study skills. Additionally, this course will promote realistic expectations of college while understanding what is necessary to succeed as an intercollegiate athlete. (GC)

### **KIN-242 Sociology of Sport**

54.00 hrs lecture

Units: 3.00

Cross-referenced Course: SOC-142

Accepted For Credit: CSU

This course will examine the history of sport and its political, social, and economic impact on public opinion. This will include an investigation into the phenomenon of sport including cultural stratification, race, gender, education, economics, politics, and the mass media. (GC)

### **KIN-243 Sports Marketing**

54.00 hrs lecture

Units: 3.00

Cross-referenced Course: BA-143

Accepted For Credit: CSU

This course examines the application of the principles of promotion and marketing to the sport and fitness industry. The areas covered will include high school/collegiate athletics, professional sports, and the fitness club industry. (GC)

### **KIN-244 Sports Management**

54.00 hrs lecture

Units: 3.00

Cross-referenced Course: BA-144

Accepted For Credit: CSU

This course provides an overview of professional sport management in North America. The political, historical, social, economic, and cultural impacts of sport management are explored. Topics will include team management, organizational administration, legal issues, public relations, and facility management. Students will become familiar with career opportunities in the sports management field. (GC)

### **KIN-251 Fitness for Life**

54.00 hrs lecture

Units: 3.00

Accepted For Credit: CSU & UC

This class is designed for students who wish to assess cardiovascular fitness, strength, flexibility, body fat and nutrition, and stress level as a basis for designing and implementing a personal program for aerobic endurance, strength, and flexibility. (GC)

### **KIN-256 Sports Performance Testing**

18.00 hrs lecture, 54.00 hrs lab

Units: 2.00

Cross-referenced Course: PTA-119

Accepted For Credit: CSU

This course covers assessment methods commonly used to evaluate athletic ability. It covers anaerobic testing methods used to establish baseline, normative, and developmental data. Testing for specific sports such as basketball, football, soccer, and tennis is also covered. Repeatable = 1 time (GR)

### **KIN-257 Prevention and Care of Athletic Injuries**

54.00 hrs lecture, 54.00 hrs lab

Units: 4.00

Advisory: ENGL-151B or equivalent; BIOL-130

Accepted For Credit: CSU & UC

This course is 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, use of therapeutic modalities, and emergency first aid procedures as applied to athletic injuries. (GR)

### **KIN-258 Exercise Prescription**

36.00 hrs lecture, 54.00 hrs lab

Units: 3.00

Accepted For Credit: CSU

This course is designed to introduce principles of exercise prescription and strength and conditioning. Topics will include exercise physiology, exercise prescription for special and general populations, free weight and machine exercise techniques, nutrition and weight management, biomechanical concepts, and emergency and legal issues related to fitness and strength training. This course will also prepare students for the Personal Trainer Examination. (GC)

### **KIN-261 Mental Aspects of Sport**

36.00 hrs lecture

Units: 2.00

Accepted For Credit: CSU

This course will develop the connection between the mental and physical aspects of competition and the ways to enhance performance. Stress reduction techniques, goal setting, imagery, and visualization will be covered as will training methods for both the body and mind. Repeatable = 2 times (GC)

### **KIN-381 Clinical Experiences in Sports Medicine 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 participate in the treatment, evaluation, and rehabilitation of student athletes injured during practice or competition. Students will practice the application of athletic training procedures according to protocols established by the athletic trainer. Repeatable = 3 times (CR)

**KIN-382 Clinical Experiences in Sports Medicine 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 participate in the treatment, evaluation, and rehabilitation of student athletes injured during practice or competition. Students will practice the application of athletic training procedures according to protocols established by the athletic trainer. Repeatable = 3 times (CR)

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## LEARNING SKILLS PROGRAM

Division: Deaf Studies

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

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

**LSP-104 Reading Comprehension**  
 54.00 hrs lecture, 18.00 hrs lab  
 Units: 3.00  
 Prerequisite: Prior 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 the associate degree. (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 (WAIll) partnership. The course provides students with the skills necessary to seek and obtain employment. The course will discuss resume and cover letter writing, interviewing skills, ADA laws and employment rights, goals assessment, workplace behavior, and job retention. Students will complete a portfolio which includes a resume, cover letter, letters of recommendation, and sample application. Not applicable to the associate degree. (CR)

**LSP-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)

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## LIBRARY SCIENCE

Division: Learning Resources and Academic Technology

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

**LS-151 Internet for Research**  
 9.00 hrs lecture  
 Units: 0.50  
 Cross-referenced Course: CS-151  
 Advisory: CAOT-153 or equivalent  
 Accepted For Credit: CSU  
 This course presents instruction in the use of the Internet as an alternative to traditional college-level learning resources. It will teach skills and strategies for finding and retrieving information on the Internet. This course is normally offered in a short-term format. (CR)

### Did you know???

In 2007-2008 there were 2,772,250 full-year students attending California Community Colleges.

Source: Community College League of California

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## MATHEMATICS

Division: Humanities, Social Sciences, and Mathematics

**MATH-101A Calculus with Analytic Geometry**

90.00 hrs lecture

Units: 5.00

Prerequisite: MATH-188 with C or better or equivalent

Accepted For Credit: CSU &amp; UC

This course includes review of functions and graphs, elements of analytic geometry, limits, continuity, differentiation of algebraic, trigonometric, logarithmic, exponential, and inverse trigonometric functions, applications of the derivative, and introduction to integration and some applications of the definite integral. (GR)

**MATH-101B Calculus with Analytic Geometry**

90.00 hrs lecture

Units: 5.00

Prerequisite: MATH-101A with a C or better or equivalent

Accepted For Credit: CSU &amp; 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 with C or better or equivalent

Accepted For Credit: CSU &amp; UC

This course includes vector analysis, functions of several variables, partial derivatives, multiple integration, integration of vector valued functions, and applications. (GR)

**MATH-103 Introduction to Linear Algebra**

54.00 hrs lecture

Units: 3.00

Prerequisite: MATH-101B

Accepted For Credit: CSU &amp; 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. (GR)

**MATH-104 Differential Equations**

90.00 hrs lecture

Units: 5.00

Prerequisite: MATH-101B with C or better

Accepted For Credit: CSU &amp; UC

This course includes the study of the traditional topics in ordinary differential equations as well as series solutions, Laplace transforms, systems of equations, numerical methods, and selected applications. (GR)

**MATH-111 Introduction to Matlab**

54.00 hrs lecture

Units: 3.00

Prerequisite: MATH-101A

Advisory: ENGL-101A

Accepted For Credit: CSU &amp; UC

This course provides students with an introduction to the software package Matlab. Topics include programming, two and three dimensional graphing, data import and export, curve fitting, recursion, and applications to calculus. (GR)

**MATH-151 Algebra I**

90.00 hrs lecture

Units: 5.00

Prerequisite: MATH-190 or placement evaluation

This course includes the study of operations on algebraic expressions, linear equations and inequalities, graphs of linear equations, systems of equations, exponents, polynomials, factoring, and rational expressions. Not applicable to the associate degree. (GR)

**MATH-151A Algebra I (Part 1)**

54.00 hrs lecture

Units: 2.50

Prerequisite: MATH-190 with grade of C or better or equivalent or placement evaluation

This course includes the study of operations using signed numbers, equations and inequalities, graphs, and an introduction to systems of equations. It emphasizes problem-solving skills. Not applicable to the associate degree. (GR)

**MATH-151B Algebra I (Part 2)**

54.00 hrs lecture

Units: 2.50

Prerequisite: MATH-151A

This course includes exponents, polynomials, factoring, rational expressions, and applications. Not applicable to the associate degree. (GR)

**MATH-152 Algebra II**

90.00 hrs lecture

Units: 5.00

Prerequisite: MATH-151 or MATH-151A and MATH-151B with a grade of C or better or equivalent or placement evaluation

This course includes the study of systems of equations, relations, functions and their graphs, conic sections, exponential and logarithmic functions, arithmetic and geometric sequences and series, and the binomial theorem. (GR)

**MATH-152A Algebra II (Part 1)**

54.00 hrs lecture

Units: 2.50

Prerequisite: MATH-151 or MATH-151A and MATH-151B with a grade of C or better or equivalent or placement evaluation

This course includes the study of systems of linear equations, inequalities, radical expressions and equations, problem solving, and complex numbers. (GR)

**MATH-152B Algebra II (Part 2)**

54.00 hrs lecture

Units: 2.50

Prerequisite: MATH-152A with a grade of C or better or equivalent or placement evaluation

This course includes the study of relations, functions, and their graphs, quadratic functions and equations, exponential and logarithmic functions, conic sections, sequences, series, sigma notation, and the binomial expansion. (GR)

**MATH-153 Intermediate Algebra**

54.00 hrs lecture

Units: 3.00

Prerequisite: MATH-151 or MATH-151A and MATH-151B with a grade of C or better or equivalent or placement evaluation

This course includes the study of relations and functions and their graphs, quadratic equations, parabolas, exponential and logarithmic functions, and sigma notation. (GR)

**MATH-155 Math for the Associate Degree**

54.00 hrs lecture

Units: 3.00

Prerequisite: MATH-151 or placement

This course meets the minimum general education mathematics requirement. It uses the concepts of beginning algebra (Algebra I), problem solving skills, and analytical thinking to investigate areas such as consumer concerns, recreational math, probability, math in sports, statistics, geometry, trigonometry, and math in the work place. (GR)

**MATH-156 Math for Liberal Arts**

54.00 hrs lecture

Units: 3.00

Prerequisite: MATH-152 or MATH-153 with grade of C or better or equivalent or placement evaluation

Accepted For Credit: CSU &amp; UC

This course is designed for liberal arts and education students and uses the concepts learned in Intermediate Algebra. It is a survey course of college mathematics with emphasis placed on the nature of mathematics, problem solving, and thinking patterns. Topics covered will be selected from the areas of sets and logic, methods of proof, elements of probability and statistics, geometry, systems of numeration, math of finance, basic trigonometry and calculus, math history, and linear programming. (GC)

**MATH-159 Introduction to Statistics**

90.00 hrs lecture

Units: 5.00

Prerequisite: MATH-152 or MATH-153 with grade of C or better or equivalent or placement evaluation

Advisory: Completion of ENGL-163 or equivalent

Accepted For Credit: CSU &amp; UC

This course examines the elements of probability, binomial and normal distributions, measures of location, measures of variation, hypothesis testing, point and interval estimation, small sample tests, linear correlation, analysis of variance, and use of technology for statistical applications. (GR)

**MATH-163 Discrete Mathematics for Computers**

54.00 hrs lecture

Units: 3.00

Cross-referenced Course: CS-113

Prerequisite: MATH-188 or equivalent

Advisory: MATH-101A and MATH-101B

Accepted For Credit: CSU &amp; UC

This course is designed for majors in mathematics and computer science. It is the first course for students in discrete mathematics. A main goal of this course is to teach students to think abstractly. This requires that students learn to use logically valid different methods of proof including mathematical induction. Topics include logic, proofs, sets, relations, recurrence relations, graphs, trees, and combinatorics. Applications include Boolean Algebra, logic circuits, O-Notation, and Automata. (GC)

**MATH-166 Finite Mathematics**

72.00 hrs lecture

Units: 4.00

Prerequisite: MATH-152 or equivalent with grade of C or better

Accepted For Credit: CSU &amp; UC

This course includes the core concepts of set theory, systems of linear equations and inequalities, linear programming, matrices, math of finance with applications to business and social sciences, and an introduction to probability and decision making. (GR)

**MATH-167 Calculus for Business and Social Science**

90.00 hrs lecture

Units: 5.00

Prerequisite: MATH-152 or equivalent with grade of C or better

Accepted For Credit: CSU &amp; 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-171 Mastering Math Skills: Fractions**

27.00 hrs lab

Units: 0.50

Students will refresh their knowledge of operations with fractions and the applications of fractions. It is intended for students currently enrolled in MATH-151 or MATH-151A or MATH-151B who feel they will benefit from a review of this material. Not applicable to the associate degree. Repeatable = 2 times (GC)

**MATH-172 Mastering Math Skills: Whole Numbers, Decimals and Percentages**

27.00 hrs lab

Units: 0.50

Students will refresh their knowledge of operations with whole numbers, decimals, and percentages and their applications. It is intended for students currently enrolled in MATH-151 or MATH-151A or MATH-151B who feel they will benefit from a review of this material. Not applicable to the associate degree. Repeatable = 2 times (GC)

**MATH-181 Trigonometry**

54.00 hrs lecture

Units: 3.00

Prerequisite: MATH-152 with grade of C or better or equivalent 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 with C or better or equivalent

Accepted For Credit: CSU &amp; UC

This course is a review of the concepts and skills necessary for Calculus. The course includes the theory and graphing of elementary, exponential, and logarithmic functions; a review of trigonometry; systems of linear and quadratic equations; and an introduction to sequences and series. (GR)

**MATH-190 Basic Mathematics**

54.00 hrs lecture

Units: 3.00

This course includes a study of the arithmetic of whole numbers, fractions, and decimals; applications of arithmetic-ratios, percents, word problems, and U.S. and metric systems of measurement; statistical graphs, measurement of central tendency and word problems employing those concepts; and an introduction to algebra and geometry. Not applicable to the associate degree. (GR)

**MATH-190A Basic Mathematics (Self-Paced)**

18.00 hrs lecture

Units: 1.00

This self-paced course covers the arithmetic of whole numbers, fractions, and decimals. Completion of MATH-190A, MATH-190B, and MATH-190C is equivalent to MATH-190. Not applicable to the associate degree. (GR)

**MATH-190B Basic Mathematics (Self-Paced)**

18.00 hrs lecture  
Units: 1.00

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, MATH-190B, and MATH-190C is equivalent to MATH-190. Not applicable to the associate degree. (GR)

**MATH-190C Basic Mathematics (Self-Paced)**

18.00 hrs lecture  
Units: 1.00

This self-paced course covers introductory concepts from algebra and geometry. Completion of MATH-190A, MATH-190B, and MATH-190C is equivalent to MATH-190. Completion of MATH-190C can be used as the prerequisite of MATH-151 or MATH-151A/MATH-151B (Algebra I). Not applicable to the associate degree. (GR)

**MATH-196 Geometry**

54.00 hrs lecture  
Units: 3.00

Prerequisite: MATH-151 or equivalent

Students will study geometric concepts, deductive proofs, and logical arguments, and develop skills to solve problems and construct proofs. The topics include lines, angles, circles, triangles, parallelism, similarity, congruency, areas, volumes, and logic. (GR)

**MATH-199 Success in Math**

18.00 hrs lecture  
Units: 1.00

Corequisite: In order to practice and learn the strategies to succeed in math in MATH-199, students must be enrolled in a math class in which they can use the strategies

This course is designed to assist students in learning mathematics through the development of successful study skills and exam taking methods. Students will also be provided with skills necessary to overcome any math anxieties they may have. This course addresses learning styles, reading math textbooks, completing homework assignments, and taking notes. Not applicable to the associate degree. Repeatable = 2 times (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. Repeatable = 3 times (NG)

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## MULTIMEDIA

Division: Fine Arts, Business, and Communication Studies

**MM-102A Multimedia I**

54.00 hrs lecture, 54.00 hrs lab

Units: 4.00

Prerequisite: CS-101 or equivalent

Advisory: CS-102 or CS-104A or CS/ART/BA/GA-160A

Accepted For Credit: CSU

Explore technical, artistic, and creative ways to produce animations, images, and basic interactive multimedia projects using industry standard software such as Photoshop and Flash. Topics include typography, design principles, multimedia terminology, copyright issues, image and sound manipulation. (GC)

**MM-102B Multimedia II**

54.00 hrs lecture, 54.00 hrs lab

Units: 4.00

Prerequisite: MM-102A or equivalent

Accepted For Credit: CSU

This course covers the skills necessary to use digital video, sound, animations, graphics, and programming to develop educational courseware. An emphasis will be put on group project development in cooperation with a content expert and an instructional designer. Students' individual strengths will be used in groups to create educational and training models. Repeatable = 2 times (GC)

**MM-103A Introduction to Flash: Animation**

4.50 hrs lecture, 13.50 hrs lab

Units: 0.50

Learn the essential tools in Flash for creating graphics, importing artwork and sound. Learn different techniques to produce animations for the Web and CD-ROM. This course is typically taught in two days. Repeatable = 1 time (GC)

**MM-103B Intermediate Flash: Interactivity**

4.50 hrs lecture, 13.50 hrs lab

Units: 0.50

Prerequisite: MM-103A

Learn different techniques for creating interactive projects, optimizing their performance, and publishing for the Web and CD-ROM. Create interactive controls by dragging and dropping actions to projects. Learn basic ActionScripting. This course is usually taught in two days. Repeatable = 1 time (GC)

**MM-104 Advanced Interactivity in Flash**

36.00 hrs lecture, 54.00 hrs lab

Units: 3.00

Prerequisite: MM-103A or 103B or equivalent

Accepted For Credit: CSU

First, learn how to create interactive Flash Sites for the Web using multiple timelines, nested movies, variables, text fields, and preloaders. Then learn ActionScript, the powerful programming language in Flash, to add complex interaction to projects. No prior programming experience is required; however, familiarity with Flash is essential. Repeatable = 2 times (GC)

“Ohlone College is giving me a second chance at recreating my life according to what I had always wanted for myself: a satisfying career in Nursing, and the chance to go as far as possible in my education for this career.”

*Lisa Munn*

*Ohlone College Nursing Major*

*Abe and Hannah Hochler Memorial Scholarship Recipient,*

*Fall 2008*

- MM-105 Web Site Design**  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Accepted For Credit: CSU  
Students will learn design principles to create web sites of their choice using the latest software applications. Students will also learn to analyze web sites created in a wide range of fields and various cultures. Topics include CSS, typography, color, copyright issues, accessibility, contracts, digital imaging optimization, and techniques to display sound, animation and video. Repeatable = 2 times (GC)
- MM-106 Advanced Web Site Design**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Prerequisite: MM-105 or equivalent course (to be approved by instructor)  
Accepted For Credit: CSU  
Learn advanced techniques in web site design employing industry standard software like Dreamweaver, Photoshop and Fireworks. This course focuses on CSS for layout, style, and navigation. Other topics include web graphics, forms, Ajax within the Spry framework, dynamic image galleries, accessibility, and professional practices in web site design. (GC)
- MM-107 Introduction to Dreamweaver**  
4.50 hrs lecture, 13.50 hrs lab  
Units: 0.50  
This is an introductory course in creating Web pages with Macromedia Dreamweaver. Repeatable = 1 time (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  
Students will learn creative techniques to shoot, edit, and produce short videos employing digital camcorders, microphones, lights, and a variety of video editing software. Topics include camera shots, transitions, composition, video file formats, compression, special effects, and producing video for the YouTube, websites, and DVDs. Repeatable = 1 time (GR)
- MM-111 Introduction to After Effects**  
4.50 hrs lecture, 13.50 hrs lab  
Units: 0.50  
Students will learn the essential tools for creating motion graphics and visual effects and will effectively produce 2D or 3D visual effects for digital video, multimedia, and the Web. This course is typically taught in two days. Repeatable = 1 time (GC)
- MM-114 Textures for 3D**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: MM-116 or MM-102A  
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 and design to 3D imagery, and rendering images for multimedia and print. Repeatable = 1 time (GC)
- MM-115 3D Animation**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: CS-101 or equivalent  
Accepted For Credit: CSU  
This course will focus on the operation of 3D Computer Animation Software. Students will create their own 3D animations and present their work. Repeatable = 3 times (GC)
- MM-116 3D Modeling**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: MM-102A  
Accepted For Credit: CSU  
Students will learn different techniques to model objects and environments using a 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. Repeatable = 1 time (GC)
- MM-117 Advanced 3D Modeling and Animation**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Prerequisite: MM-115 or MM-116  
Accepted For Credit: CSU  
Students will learn advanced techniques in modeling and animation using 3D modeling software. The topics include advanced modeling tools, texture mapping, lighting effects, particle systems, camera effects, and advanced animation using inverse kinematics. Repeatable = 1 time (GC)
- MM-118 Introduction to Video Game Design**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU  
This class focuses on the process of planning, developing, and creating content for video games. Students will gain an understanding of the video game industry, and they will learn how to design characters, levels, and design documents. (GC)
- MM-119 Video Game Development**  
36.00 hrs lecture, 108.00 hrs lab  
Units: 3.00  
Prerequisite: MM-116 and MM-118  
Advisory: MM-114 and MM-115  
Accepted For Credit: CSU  
This class focuses on producing video games using 3D software and game engines. Students work in a team environment and follow production practices employed in the video game industry. Repeatable = 1 time (GC)
- MM-120 Designing an On-Line Course**  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU  
This course will focus on how to develop courses for the World Wide Web. The course will survey distance learning models and presentation techniques and will develop evaluation criteria. As a culmination, students will develop and test a module for the World Wide Web. Repeatable = 2 times (GC)
- MM-160 Multimedia Portfolio Development**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Prerequisite: MM-105 or equivalent  
Advisory: MM-102B  
Accepted For Credit: CSU  
This course will focus on the development of student portfolios of their work for presentation on CD-ROM and the World Wide Web. Students will review the "cultures" of the multimedia industry, review job rolls and responsibilities, go on field trips, and critique student work. (GC)

- MM-162 XHTML**  
36.00 hrs lecture, 108.00 hrs lab  
Units: 4.00  
Cross-referenced Course: CS-162  
Advisory: CS-101 or CS-101L  
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 include Dynamic Hypertext Markup Language (DHTML) techniques and working with eXtensible Markup Language (XML) and eXtensible Stylesheet Language (XSL). Repeatable = 1 time (GC)
- MM-195A1 Work Experience Education – Vocational**  
75.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU  
Work experience education for students employed in jobs directly related to a major. Units received are based on hours worked. (GC)
- MM-195A2 Work Experience Education – Vocational**  
150.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU  
Work experience education for students employed in jobs directly related to a major. Units received are based on hours worked. (GC)
- MM-195A3 Work Experience Education – Vocational**  
225.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU  
Work experience education for students employed in jobs directly related to a major. Units received are based on hours worked. (GC)
- MM-195A4 Work Experience Education – Vocational**  
300.00 hrs lab  
Units: 4.00  
Accepted For Credit: CSU  
Work experience education for students employed in jobs directly related to a major. Units received are based on hours worked. (GC)

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## MUSIC

Division: Fine Arts, Business, and Communication Studies

- MUS-101 Introduction to Music – Western Classical Music**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
This course examines the study of western classical music as cultural expression. It is designed for students looking for a general survey course in music as well as those who simply want to increase their musical understanding. The course considers listening techniques and fundamental concepts including form, style, musical media, and textures. The subject matter ranges from rondellus to reggae to rock. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)
- MUS-102 Music Appreciation**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
This is an introductory course in music for students without previous formal training in music, listening, or performance. It 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. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)
- MUS-103 Fundamentals of Music**  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
This is a basic course for students investigating the study of musical notation, keys, scales, and chords, along with other elements of basic musicianship. This course is useful in working with children and youth. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (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 Song Writing**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU  
This course will expose students to the compositional techniques inherent in the process of commercial song writing. Students will learn to write songs, listen to their projects on the computer, edit the songs using standard music sequencing and notational software, compare the outcomes with standard professional compositional criteria, and record the final edited projects. Repeatable = 1 time (GC)
- 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, 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. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

**MUS-110A Music Theory and Harmony**

54.00 hrs lecture

Units: 3.00

Corequisite: MUS-111A

Accepted For Credit: CSU &amp; UC

This course is a study of notation in major and minor scales, tonality, chord construction, rhythm, and non-harmonic tones. This course serves as an introduction to more advanced study of music theory and harmony. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)

**MUS-110B Harmony**

54.00 hrs lecture

Units: 3.00

Prerequisite: MUS-110A or equivalent

Corequisite: MUS-111B

Accepted For Credit: CSU &amp; UC

This course includes the study of diatonic harmony in major keys, major and minor triads and inversions, modulation, non-harmonic tones, and secondary dominants. The course includes writing for the piano using the phrase, period, and two- and three-part song form. This course is the second in the four-semester theory sequence. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)

**MUS-110C Advanced Harmony**

54.00 hrs lecture

Units: 3.00

Prerequisite: MUS-110B

Corequisite: MUS-111C

Accepted For Credit: CSU &amp; 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. (GR)

**MUS-110D Advanced Harmony**

54.00 hrs lecture

Units: 3.00

Prerequisite: MUS-110C

Corequisite: MUS-111D

Accepted For Credit: CSU &amp; UC

This course is a study of compositional materials and techniques from the late 19th century to the present. This course is the fourth of a 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-111A Musicianship**

18.00 hrs lecture, 36.00 hrs lab

Units: 1.00

Corequisite: MUS-110A

Accepted For Credit: CSU &amp; UC

This course develops facility in sight singing, ear training, and the ability to take musical dictation. (GR)

**MUS-111B Musicianship**

18.00 hrs lecture, 36.00 hrs lab

Units: 1.00

Prerequisite: MUS-111A or equivalent

Corequisite: MUS-110B

Accepted For Credit: CSU &amp; UC

This course develops facility in sight singing, ear training, and the ability to take musical dictation. (GR)

**MUS-111C Advanced Musicianship**

18.00 hrs lecture, 36.00 hrs lab

Units: 1.00

Prerequisite: MUS-111B or equivalent

Corequisite: MUS-110C

Accepted For Credit: CSU &amp; UC

This course covers sight singing and reading of materials employed in MUS-110C. (GR)

**MUS-111D Advanced Musicianship**

18.00 hrs lecture, 36.00 hrs lab

Units: 1.00

Prerequisite: MUS-111C or equivalent

Corequisite: MUS-110D

Accepted For Credit: CSU &amp; UC

This course covers sight singing and reading of materials employed in MUS-110D. (GR)

**MUS-112A ProTools 101**

36.00 hrs lecture, 54.00 hrs lab

Units: 3.00

Accepted For Credit: CSU

The ProTools 101: Introduction to ProTools covers basic ProTools principles, giving you what you need to complete a ProTools project, from initial set up to final mixdown. Whether your project involves recording live instruments, MIDI sequencing of software synthesizers, or audio looping, this course will give you the basic skills to succeed. (GR)

**MUS-112B ProTools 110**

36.00 hrs lecture, 54.00 hrs lab

Units: 3.00

Prerequisite: MUS-112A or equivalent

Accepted For Credit: CSU

Digidesign ProTools 110: Essentials of ProTools provides a more detailed look at the ProTools system. This course covers all the key concepts and skills needed to operate a ProTools system. The course provides the foundation for the later 200-series ProTools Music Production and Post Production courses. Repeatable = 1 time (GR)

**MUS-112C Pro Tools 201**

36.00 hrs lecture, 54.00 hrs lab

Units: 3.00

Advisory: MUS-112A, MUS-112B, or equivalent

Accepted For Credit: CSU

Pro Tools 201: Pro Tools Production Essentials 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, and in-depth plug-in usage. (GR)

**MUS-113 Studio Recording**

36.00 hrs lecture, 54.00 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, tape recorder, and monitoring stations. The course explores various types of microphones, the functions of mixing boards, the characteristics of signal processors, and recording techniques. (GC)

- 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. Repeatable = 3 times (GC)
- MUS-116 Sound Reinforcement and Live Recording**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: MUS-112A  
The lecture component covers basic techniques for live concert sound reinforcement, including basic sound system theory/applications and study of individual sound system component operation (microphones, mixers, effects, power amplifiers, speaker systems). Lab presents field opportunities for students to apply knowledge in concert situations. Repeatable = 1 time (GR)
- MUS-120A History of Trends in Music Literature**  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU & UC  
This course is a historically oriented study of music in the western world from earliest beginning, through the medieval, Renaissance (Monteverdi), and Baroque (Bach) periods. Music majors required to take course for letter grade only. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)
- MUS-120B History of Trends in Music Literature**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
This course is a historically oriented study of music in the western world from the classical period (Mozart-Haydn) through music of the 19th and 20th centuries. Romantic concepts as well as recent compositional techniques of the 20th century are examined. Music majors required to take course for letter grade only. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)
- 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. (GC)
- MUS-122 A History of Early Rock and Roll: Music and Culture of the 1950's**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: HIST-141, IS-142  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course presents a historical overview of the emergence of rock and roll music as a cultural phenomenon in the U.S. The major figures of the 1950's – Bill Haley, Fats Domino, Elvis Presley, Chuck Berry, and Little Richard – will be studied alongside the major historical events and trends that shaped this decade. The course is designed to gradually develop a student's appreciation for this art form while simultaneously exposing the symbiotic interrelationship between rock and roll and American culture. The course will chart how rock and roll simultaneously reflects and affects society by grounding the key people, events, and songs within their historical context. (GC)
- MUS-123 History of Rock and Roll: Music and Culture of the 1960's**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: HIST-142, IS-143  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course charts the evolution of Rock and Roll music from the late 1950's through the 1960's focusing on the history of the period as well as a detailed analysis of the stylistic development of this important musical genre. The course is designed to gradually develop students' appreciation for this art form while simultaneously exposing the symbiotic interrelationship between rock and American society. (GC)
- MUS-125 History of Rock and Roll: Music and Culture Since 1970**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: HIST-143  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
This course looks at the development of popular music and its relationship to general culture and society since 1970. It will include identification and analysis of art rock, disco, new wave, reggae, rap, hip-hop, worldbeat, and other musical genres through online reading, lectures, and in-class demonstrations. (GR)
- MUS-160A Beginning Class Piano**  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  
This course consists of class piano lessons for beginners and students who wish to develop elementary skill at the keyboard. It is required for music majors and recommended for teaching credential applicants. It is also recommended for all students interested in learning the piano for fun. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)
- MUS-160B Class Piano**  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Advisory: MUS-160A or equivalent  
Accepted For Credit: CSU & UC  
This course consists of class piano lessons for beginners and students who wish to develop elementary skill at the keyboard. It is required for music majors and recommended for teaching credential applicants. It is also recommended for all students interested in learning the piano for fun. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

**MUS-160C Class Piano**

18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Advisory: MUS-160B or equivalent  
Accepted For Credit: CSU & UC

This course consists of intermediate level class piano lessons for students who wish to develop skill at the keyboard. It is required for music majors and recommended for teaching credential applicants. It is also recommended for all students interested in learning the piano for fun. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

**MUS-160D Class Piano**

18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Advisory: MUS-160C or equivalent  
Accepted For Credit: CSU & UC

This course consists of intermediate level class piano lessons for students who wish to develop skill at the keyboard. It is required for music majors and recommended for teaching credential applicants. It is also recommended for all students interested in learning the piano for fun. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)

**MUS-160E Piano Repertoire**

18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Advisory: MUS-160D or equivalent  
Accepted For Credit: CSU & UC

This course consists of intermediate to advanced level class piano lessons for students who wish to develop skill at the keyboard. It is required for music majors and recommended for teaching credential applicants. It is also recommended for all students interested in learning the piano for fun. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)

**MUS-160F Piano Repertoire**

18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Advisory: MUS-160E or equivalent  
Accepted For Credit: CSU & UC

This course consists of intermediate to advanced level class piano lessons for students who wish to develop skill at the keyboard. It is required for music majors and recommended for teaching credential applicants. It is also recommended for all students interested in learning the piano for fun. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GR)

**MUS-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 learn song accompaniment, solo and ensemble experience playing the guitar. The literature represents all stylistic periods. Students must provide their own guitar. (GC)

**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  
Corequisite: MUS-166A or MUS-166B  
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  
Corequisite: MUS-166B  
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  
Corequisite: MUS-166C  
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  
Corequisite: MUS-166D  
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  
Advisory: MUS-163A or equivalent  
Accepted For Credit: CSU & UC  
This course involves class instruction on all orchestral-woodwind instruments. (GC)
- MUS-163B Woodwind Instruments (Flute, Saxophone, Clarinet, Oboe, Bassoon)**  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Advisory: MUS-163B or equivalent  
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-163C or equivalent  
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-163D or equivalent  
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 or equivalent  
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 or equivalent  
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 or equivalent  
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-165 A 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 or equivalent  
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 or equivalent  
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 or equivalent  
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  
Corequisite: MUS-162C  
Accepted For Credit: CSU & UC  
This course involves individual instruction in voice, piano, guitar, or other traditional orchestral instruments. It is expected that students will have, as a minimum, one hour of lecture/recital instruction per week; one hour of supervised practice per week; and one individual lesson with instructor per week. A minimum of twelve lessons per semester must be verified. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)
- MUS-166B 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. It is expected that students will have, as a minimum, one hour of lecture/recital instruction per week; one hour of supervised practice per week; and one individual lesson with instructor per week. A minimum of twelve lessons per semester must be verified. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)
- MUS-166C 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. It is expected that students will have, as a minimum, one hour of lecture/recital instruction per week; one hour of supervised practice per week; and one individual lesson with instructor per week. A minimum of twelve lessons per semester must be verified. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)
- MUS-166D 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. It is expected that students will have, as a minimum, one hour of lecture/recital instruction per week; one hour of supervised practice per week; and one individual lesson with instructor per week. A minimum of twelve lessons per semester must be verified. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (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. Repeatable = 3 times (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. Lecture, demonstration, and in-class playing are presented in a group instruction class. Repeatable = 3 times (GR)
- MUS-169C Blues/Rock Guitar II**  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
Advisory: MUS-169B  
Accepted For Credit: CSU & UC  
Advanced blues/rock improvisation and accompaniment. Includes lecture, demonstration, and in-class playing presented in a group class. Repeatable = 3 times (GR)
- MUS-192 Music for Minors: Music Docent Training**  
45.00 hrs lecture, 27.00 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. Repeatable = 1 time (GR)
- MUS-350 Community Band**  
54.00 hrs lab  
Units: 0.50  
Prerequisite: Demonstrate ability to read music  
Accepted For Credit: CSU & UC  
Study and performance of band and chamber music repertoire. Repeatable = 3 times (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  
Prerequisite: Ability to read music  
Advisory: MUS-103, MUS-110 or equivalent  
Accepted For Credit: CSU & UC  
This course includes sight-reading, preparation, performance, and recording of various styles of music composed and arranged for standard Jazz, Rock, Jump, Blues, and Latin ensembles. Emphasis 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 (GC)

**MUS-352B Advanced Jazz/Rock Combos**

54.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU

Advanced Live-Performance Workshop for all instrumentals and singers. This class is a continuation of the concepts covered in MUS-352 with greater emphasis on soloing, arranging, music theory, and contemporary performance practices. Repeatable = 3 times (GC)

**MUS-354A String Techniques – Ohlone Chamber Orchestra**

54.00 hrs lab  
Units: 0.50  
Prerequisite: Demonstrate ability to read music  
Accepted For Credit: CSU & UC

This course involves class instruction on all string instruments. Repeatable = 3 times (GC)

**MUS-355 College Chorus**

54.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC

This choir is a predominately campus (full-time student) organization for the beginning choral singer. It is a non-audition choir which performs with the Chorale and Symphonic Choir as well as its own performance opportunities. Repeatable = 3 times (GC)

**MUS-356 Chamber Singers**

54.00 hrs lab  
Units: 1.00  
Prerequisite: Audition  
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 & UC

This course is a large, "oratorio" style choir designed for the campus/community singer. It is non-audition choir for those interested in singing with a large ensemble. Repeatable = 3 times (GC)

**MUS-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. Repeatable = 3 times (NG)

**MUS-367 Women's Chorus**

54.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC

This choir is open to all female members of the campus and the community. The course will concentrate on music designed for this gender-specific ensemble. Students will be required to attend all rehearsals and concerts programmed for this group. Little or no prior choral experience is needed. Repeatable = 3 times (GC)

**MUS-368 Men's Chorus**

54.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC

This choir is open to all male members of the campus and the community. The course will concentrate on music designed for this gender-specific ensemble. Students will be required to attend all rehearsals and concerts programmed for this group. Little or no prior choral experience is needed. Repeatable = 3 times (GC)

**MUS-369 Jazz, Rock, Popular, 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. Repeatable = 3 times (GR)

**MUS-370 Symphonic Band**

54.00 hrs lab  
Units: 0.50  
Prerequisite: Ability to read music  
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  
Prerequisite: Ability to read music  
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 (GC)

**MUS-374 Community Orchestra**

54.00 hrs lab  
Units: 0.50  
Prerequisite: Demonstrate ability to read music  
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. Repeatable = 3 times (GC)

**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 &amp; 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 &amp; 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)

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**NURSING**

Division: Health Sciences and Environmental Studies

**NUR-115M LVN Bridge to Registered Nursing**

27.00 hrs lecture, 81.00 hrs lab

Units: 3.00

Prerequisite: Admission to the LVN-RN Mobility Option

This course is required of all students admitted to the LVN-RN Mobility Option. Content includes the nursing process as it applies to adaptation theory of nursing practice, LVN role transition to registering nursing, assessment skills, IV therapy, math for medications, basic procedures, and care planning. This course is taught in a self-paced modular format. Repeatable = 1 time (GR)

**NUR-115P Maternal-Child Review**

90.00 hrs lecture

Units: 2.50

Advisory: Eligible for ENGL-101A

NUR-115P is a review of the care of the child-bearing, 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 labor and delivery, post-partum, the newborn nursery, and pediatrics. The content will include pathophysiology, nursing assessment, nursing implications of diagnostic tests, and related pharmacology. Students will assess patients, identify nursing diagnosis, and implement and evaluate nursing interventions to promote adaptive responses in pediatric and obstetric patients experiencing alterations in physiologic and psychosocial modes. This course will focus 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 post-partum care of the mother and the newborn. Repeatable = 1 time (CR)

**NUR-116V Clinical Nursing Renewal**

27.00 hrs lab

Units: 0.50

Prerequisite: Admission to the Nursing Program

This clinical nursing course provides for renewal of nursing skills in a hospital setting. Clinical objectives will be determined by faculty. Eligibility is limited to students re-enrolling after an extended period of absence or following a clinical failure. Continuation in the nursing program is contingent on a passing grade. Repeatable = 1 time (CR)

**NUR-117****Critical Thinking Development-Intensive**

27.00 hrs lab

Units: 0.50

Corequisite: Concurrent enrollment in the Nursing Program (NUR-101 through NUR-109)

This course is designed for students concurrently enrolled in the nursing program. Weekly contact hours are 1.5 lab hours online and by arrangement. 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. Repeatable = 3 times (GC)

**NUR-118****Strategies for Success**

9.00 hrs lecture

Units: 0.50

This course introduces basic study skills necessary for success in the nursing program. Understanding test-taking format and practice tests with NCLEX-type questions will be offered to improve student test-taking success. Not applicable to the associate degree. Repeatable = 3 times (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. Repeatable = 2 times (GC)

**NUR-301****Foundations of Nursing**

54.00 hrs lecture, 135.00 hrs lab

Units: 5.50

Prerequisite: Admission to the Registered Nursing Program

Advisory: CFS-109 and PSY-108 must be completed by the end of the second semester of the Registered Nursing Program

Accepted For Credit: CSU

NUR-301 is the first course in the nursing sequence. Students are introduced to the theory and practice of nursing based on the adaptation model. A 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, 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 barriers such as cultural groups, variances in time, and personal space. Simulated practice of fundamental nursing skills in a multimedia setting and utilization of 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: NUR-301 with grade of C or better

Advisory: CFS-109 and PSY-108 must be completed by the second semester of the Nursing Program

Accepted For Credit: CSU

NUR-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. Simulated practice of nursing skills is in a multimedia setting and utilization of low fidelity mannequins is 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-302 with grade of C or better

Advisory: CFS-109 and PSY-108 must be completed by the end of the second semester of the Nursing Program

Accepted For Credit: CSU

NUR-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 as 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 post-partum 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 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. Simulated practice of nursing skills in a multimedia setting with the use of low 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: NUR-303 with grade of C or better; CFS-109, PSY-108 with grades of C or better

Accepted For Credit: CSU

NUR-304 is the fourth course in the nursing sequence. The focus of this course is advanced concepts in nursing care of the medical-surgical patient experiencing acute physical and psychological changes related to cardiovascular, respiratory, endocrine-protective, and ingestion and elimination disorders. Issues surrounding acute nursing care of high-risk population and the complexity of oncology nursing will be explored. Students will continue to learn the nursing role with the pre-operative, intra-operative, and post-operative patient. Pharmacology is expanded in this course and addressed in each subsequent course. The course will focus on assessing, developing, implementing, and evaluating a plan of care that respects the individual's cultural beliefs related to health care practices of the multicultural individual experiencing acute illness and disease. Simulated practice of nursing skills is in a multimedia setting and utilization of low fidelity mannequins is included. Clinical application of both theory and skills occurs in the hospital. (GR)

**NUR-305 Nursing Care of the Medical-Surgical Patient III**

45.00 hrs lecture, 135.00 hrs lab

Units: 5.00

Prerequisite: NUR-304 with grade of C or better

Accepted For Credit: CSU

NUR-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 patients with alterations of cardiovascular, respiratory, endoprotective, elimination, and neuro/sensation systems of adult and geriatric patients. Critical thinking will be promoted by assisting the students to interrelate pathophysiology, nursing assessment, implications of diagnostic tests, pharmacology, and medical treatments. Students will assess, identify nursing diagnoses, and implement nursing interventions to promote adaptive responses in adult and geriatric patients experiencing complex physiologic and psychosocial alterations of the cardiovascular, respiratory, renal, endoprotective, and neurological systems. This course focuses on assessing, developing, implementing, and evaluating a plan of care that respects the individual's cultural beliefs experiencing physiological problems related to the cardiac, respiratory, renal, and neurological systems. Simulated practice of related skills in a multimedia setting and utilization of low fidelity mannequins is included. Clinical application of both theory and skills occurs in the acute care hospitals. (GR)

**Did you know???**

University of California, Berkeley is the most popular

UC campus for Ohlone transfer students.

San José State University is the most popular

CSU campus for Ohlone transfer students.

**NUR-306 Nursing Care of the Mental Health Client and Advanced Gerontologic Care**

36.00 hrs lecture, 162.00 hrs lab

Units: 5.00

Prerequisite: NUR-305 with grade of C or better

Accepted For Credit: CSU

NUR-306 is the sixth course in the nursing sequence. The course focus is on comprehensive nursing care to promote adaptive communication and responses in mental health and geriatric clients. The nursing roles of provider and manager of care, communicator, teacher, and member of the profession are explored in meeting the needs of patients in community-based psychiatric and geriatric settings. Nursing skills will focus on assessments, communication, and critical thinking through the use of actual clinical situations and/or simulations and 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. 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-306 with grade of C or better

Accepted For Credit: CSU

NUR-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 to 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. 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. Repeatable = 2 times (CR)

**NUR-316 Maternal-Newborn and Women's Health Review**

9.00 hrs lecture, 27.00 hrs lab

Units: 1.00

Advisory: Eligible for ENGL-101A; NUR-107 and NUR-307 or in progress

Nursing 316 is an intensive, two weekend 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. Repeatable = 2 times (GC)

**NUR-365 Supervised Tutoring**

180.00 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 and skill enhancement in a subject. It may include consultation with skills lab coordinator and supervised tutoring and/or student tutors. Repeatable = 3 times (NG)

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**PERSONAL DEVELOPMENT**

Division: Counseling

**PD-100 Transition to College**

18.00 hrs lecture

Units: 1.00

Accepted For Credit: CSU

This course is designed for new students as an orientation to Ohlone and to college life in general. Students will become familiar with various aspects of Ohlone such as facilities, programs, services, policies, technology, and campus-wide issues. Additional topics that will be covered are study skills, academic expectations, diversity, health/wellness, and relationships. (GC)

**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. This will be offered as a short-term course. Repeatable = 2 times (CR)



Photo courtesy of Julie Polk.

- 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, and 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 writing and communication, cultural diversity, health maintenance, stress management, campus resources, learning styles and strategies including lecture note-taking, test-taking, memory, and concentration. (GC)
- PD-111 Strategies for College Success**  
18.00 hrs lecture  
Units: 1.00  
Accepted For Credit: CSU & UC  
This course covers specific topics designed to help students succeed in college. Additionally, students are assisted in adjusting to college life and identifying learning strategies, problem solving, academic planning, critical thinking, and individual motivation. The theme and content of each class varies and is determined by the counseling faculty. Repeatable = 2 times (GC)
- PD-113 Strategies for Succeeding in College**  
36.00 hrs lecture  
Units: 2.00  
Accepted For Credit: CSU & UC  
This course helps students to 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. Repeatable = 2 times (GC)
- PD-114 Introduction to Paraprofessional Counseling**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Cross-referenced Course: PSY-114  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU  
This course is designed for students who are interested in learning basic counseling theories, skills, and ethics. Training will emphasize crisis intervention, active listening, and other skills which are necessary for effective interpersonal communication. Includes supervised experience on campus and in the community. (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. Repeatable = 3 times (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. Repeatable = 1 time (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. Repeatable = 2 times (GC)
- PD-160 Student Leadership in Higher Education**  
27.00 hrs lecture, 36.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU  
This class is designed to prepare students for leadership roles in campus and future organizations. It includes communication, leadership roles, proper administration of Robert's Rules of Order, delegation, and program evaluation. It is open to student government members, general club members, and any student interested in gaining valuable leadership skills. (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)

**PD-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 in developing a learning methodology in a subject. It includes diagnosis and consultation with a tutorial coordinator and supervised tutoring by instructional aides and/or student tutors who have received specific training in tutoring methods and who work under the direction of discipline faculty. Students enroll after referral by a counselor or an instructor on the basis of an identified learning need. Repeatable = 3 times (NG)

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## PHILOSOPHY

Division: Humanities, Social Sciences, and Mathematics

**PHIL-100 Introduction to Philosophy**  
 54.00 hrs lecture  
 Units: 3.00  
 Advisory: ENGL-101A  
 Accepted For Credit: CSU & UC  
 An introduction to philosophy, examining various philosophers, and enduring questions such as "What is Reality?" "Who am I?" and "What can I know?" (GC)

**PHIL-101 Ancient Philosophy**  
 54.00 hrs lecture  
 Units: 3.00  
 Advisory: Eligible for ENGL-101A  
 Accepted For Credit: CSU & UC  
 This course is an introduction to the development of Western philosophy through a study of its beginnings in ancient Greece. Thinkers considered include the Presocratics, Socrates, Plato, Aristotle, and post-Socratics such as the Stoics and Epicureans. (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. (GC)

**PHIL-104 Logic**  
 54.00 hrs lecture  
 Units: 3.00  
 Advisory: Eligible for ENGL-101A  
 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. (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 and Care. Moral issues will include euthanasia, abortion, the death penalty, animal rights, and obligations to charity. (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. (GC)

**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 survey of the religious and philosophical thought of the great Eastern religious traditions: Hinduism, Buddhism, Confucianism, Taoism, and Shintoism. 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 comparative survey of major religious traditions of the Western World: Judaism, Christianity, Islam, and others. 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. (GC)

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## PHYSICAL EDUCATION

Division: Athletics and Exercise Science

**PE-195A1 PE Work Experience Education**  
75.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU  
Through a set of learning objectives established by the student, supervisor and instructor, each student will work with and learn from professionals in the field of Physical Education (Exercise Science and Wellness). These experiences will enable students to improve job skills, and analyze career opportunities and requirements. Repeatable = 3 times up to 16 units (GC)

**PE-195A2 PE Work Experience Education**  
150.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU  
Through a set of learning objectives established by the student, supervisor and instructor, each student will work with and learn from professionals in the field of Physical Education (Exercise Science and Wellness). These experiences will enable students to improve job skills, and analyze career opportunities and requirements. Repeatable = 3 times or up to 16 units (GC)

**PE-195A3 PE Work Experience Education**  
225.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU  
Through a set of learning objectives established by the student, supervisor and instructor, each student will work with and learn from professionals in the field of Physical Education (Exercise Science and Wellness). These experiences will enable students to improve job skills, and analyze career opportunities and requirements. Repeatable = 3 times or up to 16 units (GC)

**PE-195A4 PE Work Experience Education**  
300.00 hrs lab  
Units: 4.00  
Accepted For Credit: CSU  
Through a set of learning objectives established by the student, supervisor, and instructor, each student will work with and learn from professionals in the field of Physical Education (Exercise Science and Wellness). These experiences will enable students to improve job skills and analyze career opportunities and requirements. Repeatable = 3 times or 16 units (GC)

**PE-250 Fitness Camp**  
18.00 hrs lecture, 36.00 hrs lab  
Units: 1.00  
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. Repeatable = 3 times (GC)

**PE-252 Personal Exercise Program**  
9.00 hrs lecture, 27.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU  
This course enables the student to continue to practice exercise programs developed in PE-250. The programs must include activities which develop cardiovascular fitness, strength, flexibility, and fitness maintenance. Repeatable = 3 times (GC)

**PE-255 Water Safety Instruction**  
9.00 hrs lecture, 27.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year; current Red Cross Lifesaving Certificate  
Accepted For Credit: CSU & UC

This course allows students to refine swimming and life-saving skills and also develop the ability to analyze swimming skills. Students will learn basic techniques of teaching swimming, life saving, and water safety skills. Students will also learn the basis of management of pool and waterfront programs. The ANRC Water Safety Instructor Certificate is issued upon successful completion. Repeatable = 3 times (GC)

**PE-268 Golf Instruction and Theory**  
18.00 hrs lecture, 36.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU  
This course includes the study of strength and flexibility and its application, the role and purpose of golf equipment, course management skills and theories, rules and etiquette, mental preparation, and the skills of the swing, putt, chip, and pitch. Repeatable = 1 time (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-300A3 Basketball**  
54.00 hrs lab  
Units: 1.00  
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; PE-300A2, PE-300A3, or equivalent

Accepted For Credit: CSU &amp; 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-300C3 Advanced Basketball**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year; PE-300A2, PE-300A3, or equivalent

Accepted For Credit: CSU &amp; UC

This course is designed to further develop the techniques of the basketball player who has been taught the fundamentals, rules, and strategies of basketball. This course is recommended for those who have played basketball competitively. (GC)

**PE-301A2 Volleyball**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This PE course is designed for students wishing to learn the fundamentals of volleyball. (GC)

**PE-301A3 Volleyball**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This PE course is designed for students wishing to learn the fundamentals of volleyball. (GC)

**PE-301B2 Intermediate Volleyball**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year; PE-301A2 or PE-301A3 or equivalent

Accepted For Credit: CSU &amp; UC

This PE course is designed for students wishing to learn the intermediate strategies and skills of volleyball. (GC)

**PE-301B3 Intermediate Volleyball**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year; PE-301A2 or PE-301A3 or equivalent

Accepted For Credit: CSU &amp; UC

This PE course is designed for students wishing to learn the intermediate strategies and skills of volleyball. (GC)

**PE-301C2 Advanced Volleyball**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year; PE-301B2, PE-301B3, or equivalent

Accepted For Credit: CSU &amp; 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-301C3 Advanced Volleyball**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year; PE-301B2, PE-301B3, or equivalent

Accepted For Credit: CSU &amp; 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-302A2 Flag Football**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This co-ed course is designed to assist the student in developing total fitness through flag football. The objective of this course is to provide the students with the general knowledge of flag football with emphasis on team play. (GC)

**PE-302A3 Flag Football**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This co-ed course is designed to assist the student in developing total fitness through flag football. The objective of this course is to provide the students with the general knowledge of flag football with emphasis on team play. (GC)

**PE-303A2 Soccer**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course will instruct the student in the basic techniques of soccer. Basic skills, rules, and basic strategies will be covered. (GC)

**PE-303A3 Soccer**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course will instruct the student in the basic techniques of soccer. Basic skills, rules, and basic strategies will be covered. (GC)

**PE-304A2 Indoor Soccer**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course will instruct the student in the basic fundamentals and strategies used in indoor soccer. (GC)

**PE-304A3 Indoor Soccer**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course will instruct the student in basic fundamentals and strategies used in indoor soccer. (GC)

**PE-305C2 Advanced Softball**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; 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-305C3 Advanced Softball**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
For students with advanced level of softball skill. This is a course for fast pitch softball. (GC) (GC)
- PE-306A2 Slow Pitch Softball**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This PE class is designed to provide softball skills and basic strategies at the beginning level. (GC)
- PE-306A3 Slow Pitch Softball**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This PE class is designed to provide softball skills and basic strategies at the beginning level. (GC)
- PE-306B2 Intermediate Slow-Pitch Softball**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year; PE-306A2 or PE-306A3 or equivalent  
Accepted For Credit: CSU & UC  
This PE course is designed to further the skills and understanding of softball for each participant at the intermediate level. (GC)
- PE-306B3 Intermediate Slow-Pitch Softball**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year; PE-306A2, PE-306A3, or equivalent  
Accepted For Credit: CSU & UC  
This PE course is designed to further the skills and understanding of softball for each participant at the intermediate level. (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-307C3 Advanced Baseball**  
54.00 hrs lab  
Units: 1.00  
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-315A2 Beginning Bowling**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU  
This course provides the student an understanding of the fundamentals of beginning bowling. (GC)
- PE-315B2 Intermediate Bowling**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year; PE-315A2 or equivalent  
Accepted For Credit: CSU  
This course is designed for students who wish to learn advanced bowling techniques. (GC)
- PE-320A2 Basic Golf Skills**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed to give the student an understanding of the fundamentals of the game of golf including grip, stance, swing, rules, etiquette, and knowledge of equipment. (GC)
- PE-320A3 Basic Golf Skills**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed to give the student an understanding of the fundamentals of the game of golf including grip, stance, swing, rules, etiquette, and knowledge of equipment. (GC)
- PE-320B2 Intermediate Golf Skills**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year; PE-320A2 or PE-320A3 or equivalent  
Accepted For Credit: CSU & UC  
This course is designed to further develop the techniques of the golfer who has learned the fundamentals of grip, stance, and swing. The use of all clubs and playing situations will be stressed. (GC)
- PE-320B3 Intermediate Golf Skills**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year; PE-320A2 or PE-320A3 or equivalent  
Accepted For Credit: CSU & UC  
This course is designed to further develop the techniques of the golfer who has learned the fundamentals of grip, stance, and swing. The use of all clubs and playing situations will be stressed. (GC)
- PE-320C2 Advanced Golf Skills**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year; PE-320B2 or PE-320B3 or equivalent  
Accepted For Credit: CSU & UC  
This course is designed for the more advanced students of golf who would like to fine-tune their game and work on any problem areas of play. (GC)

**PE-320C3 Advanced Golf Skills**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year; PE-320B2 or PE-320B3 or equivalent

Accepted For Credit: CSU &amp; UC

This course is designed for the more advanced students of golf who would like to fine-tune their game and work on any problem areas of play. (GC)

**PE-321 Small Group Golf Instruction**

36.00 hrs lecture, 108.00 hrs lab

Units: 4.00

Accepted For Credit: CSU

This course covers the fundamentals of golf technique including proper use of equipment, grip, stance, and swing. The class is broken into smaller groups for more effective learning and coaching. Repeatable = 2 times (GC)

**PE-322A2 Golf: Chipping, Pitching, and Putting**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year; PE-320A2, PE-320A3, or equivalent

Accepted For Credit: CSU &amp; 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, PE-320A3, or equivalent

Accepted For Credit: CSU &amp; 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

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. Repeatable = 2 times (GC)

**PE-324A2 On-Course Golf Management**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year; PE-320C2, PE-320C3, or equivalent

Accepted For Credit: CSU &amp; 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 or Tournament Golf. The student will also play various golf formats and establish a golf handicap. (GC)

**PE-324A3 On-Course Golf Management**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year; PE-320C2, PE-320C3, or equivalent

Accepted For Credit: CSU &amp; 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 or tournament golf. The student will also play various golf formats and establish a golf handicap. (GC)

**PE-325A2 Tournament Golf**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course is designed to prepare the individual mentally and physically for the rigors of tournament golf play. The student will play various tournament formats of scramble, best ball, and alternating shot. (GC)

**PE-325A3 Tournament Golf**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course is designed to prepare the individual mentally and physically for the rigors of tournament golf play. The student will play various tournament formats of scramble, best ball, and alternating shot. (GC)

**PE-326A2 Swing Analysis**

36.00 hrs lab

Units: 0.50

Corequisite: PE-320 or PE-322

Accepted For Credit: CSU &amp; UC

This course is designed to assist the golfer with swing improvement using video. (GC)

**PE-326A3 Swing Analysis**

54.00 hrs lab

Units: 1.00

Corequisite: PE-320A2 or PE-322

Accepted For Credit: CSU &amp; UC

This course is designed to assist the golfer with swing improvement using video. Repeatable = 2 times (GC)

**PE-327A2 Adult Golf: A Lifelong Experience**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU

This course is focused for the older adult golf enthusiast. Content to include: fundamentals of the game of golf including: grip, stance, swing, rules, etiquette, and knowledge of equipment. Students will have the opportunity to travel and play at local golf courses. Repeatable = 3 times (CR)

**PE-327A3 Adult Golf: A Lifelong Experience**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

This course is focused for the older adult golf enthusiast. Content to include: fundamentals of the game of golf including: grip, stance, swing, rules, etiquette, and knowledge of equipment. Students will have the opportunity to travel and play at local golf courses. Repeatable = 3 times (CR)



Students tour the Fitness Center at the Newark campus. Photo courtesy of College Advancement.

**PE-327B2 Travel Destinations**

36.00 hrs lab

Units: 0.50

Advisory: Prior golf experience recommended

Accepted For Credit: CSU

This course is focused on the individual golf enthusiast that wants to travel to a variety of destinations to play golf. Repeatable = 2 times (CR)

**PE-327B3 Travel Destinations**

54.00 hrs lab

Units: 1.00

Advisory: Prior golf experience recommended

Accepted For Credit: CSU

This course is focused on the individual golf enthusiast that wants to travel to a variety of destinations to play golf. Repeatable = 2 times (CR)

**PE-328 Golf Course Experience**

36.00 hrs lecture, 108.00 hrs lab

Units: 4.00

Advisory: Prior golf experience recommended

Accepted For Credit: CSU

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. Repeatable = 2 times

**PE-335A2 Express Workout**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU & UC

Move from one fitness station to the next with this 30-minute circuit training program targeting muscular strength and endurance, cardiorespiratory fitness and flexibility. This class is designed to tone the entire body in a minimum amount of time and is appropriate for all fitness levels. Repeatable = 3 times (GC)

**PE-335A3 Express Workout**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU & UC

Move from one fitness station to the next with this 30-minute circuit training program targeting muscular strength and endurance, cardiorespiratory fitness and flexibility. This class is designed to tone the entire body in a minimum amount of time and is appropriate for all fitness levels. Repeatable = 3 times (GC)

**PE-336A2 Express Cardio**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU & UC

This class 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. Repeatable = 3 times (GC)

**PE-336A3 Express Cardio**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU & UC

This class 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. Repeatable = 3 times (GC)

**PE-341A2 Strength Training**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU & UC

This course is designed to assist the student in developing a strength fitness program through demonstrations and practical applications of sound weight lifting techniques. (GC)

**PE-341A3 Strength Training**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU & UC

This course is designed to assist the student in developing a strength fitness program through demonstrations and practical applications of sound weight lifting techniques. (GC)

**PE-341B2 Intermediate Strength Training**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year; PE-341A2 or

PE-341A3 or equivalent

Accepted For Credit: CSU & UC

This activity class is designed to assist the student with advanced strength training techniques for personal muscular development. (GC)

**PE-341B3 Intermediate Strength Training**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year; PE-341A2 or

PE-341A3 or equivalent

Accepted For Credit: CSU & UC

This activity class is designed to assist the student with advanced strength training techniques for personal muscular development. (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 of the students 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 &amp; UC

This activity course is designed to increase flexibility, strength, and cardiovascular endurance of the students 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 &amp; UC

Set in the fitness lab, this course includes the use of free weights, machine weights, and cardiovascular equipment to improve and develop the muscular and cardiovascular systems of the body. (GC)

**PE-343A3 Strength and Cardio Training**

54.00 hrs lab

Units: 1.00

Accepted For Credit: CSU &amp; UC

Set in the fitness lab, this course includes the use of free weights, machine weights, and cardiovascular equipment to improve and develop the muscular and cardiovascular systems of the body. (GC)

**PE-344A2 Total Fitness**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course is designed to provide students, faculty, and staff with an individualized fitness and wellness program through the use of cardio-vascular equipment, circuit training, and machine and free weights. It allows for participation at the student, faculty, and staff convenience during the open lab hours. Repeatable = 3 times (GC)

**PE-344A3 Total Fitness**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course is designed to provide students, faculty, and staff with an individualized fitness and wellness program through the use of cardio-vascular equipment, circuit training, and machine and free weights. It allows for participation at the student, faculty, and staff convenience during the open lab hours. Repeatable = 3 times (GC)

**PE-346A2 Guts and Butts**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

Guts and Butts is a conditioning program emphasizing muscular strength, toning, and endurance for the abdominal, glutes, and thigh muscle groups. Repeatable = 3 times (GC)

**PE-346A3 Guts and Butts**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

Guts and Butts is a conditioning program emphasizing muscular strength, toning, and endurance for the abdominal, glutes, and thigh muscle groups. Repeatable = 3 times (GC)

**PE-350A2 Learning to Swim**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; 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 &amp; UC

This course is designed for students who want to learn how to swim and become less fearful of the water. This course is also recommended for students wanting to become better swimmers. (GC)

**PE-350D2 Competitive Swimming**

36.00 hrs lab

Units: 0.50

Advisory: Ability to swim 1200 yards in under 20 minutes;

medical check within the last year

Accepted For Credit: CSU &amp; UC

This course consists of a swimming workout consisting of progressively more difficult interval swimming. All four competitive strokes will be used throughout the semester. (GC)

**PE-350D3 Competitive Swimming**

54.00 hrs lab

Units: 1.00

Advisory: Ability to swim 1200 yards in under 20 minutes;

medical check within the last year

Accepted For Credit: CSU &amp; UC

This course consists of a swimming workout consisting of progressively more difficult interval swimming. All four competitive strokes will be used throughout the semester. (GC)

**PE-351A2 Aquatic Conditioning**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course is designed for students who want to improve their swimming and conditioning skills. This progressive program enables the students to become physically fit without injury to joints of the body. (GC)

**PE-351A3 Aquatic Conditioning**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course is designed for students who want to improve their swimming and conditioning skills. This progressive program enables the student to become physically fit without injury to joints of the body. (GC)

**PE-353A2 Water Polo**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course is designed for students who wish to learn the basic fundamentals and strategies in beginning water polo. This course is highly recommended for the student who wishes to play water polo. (GC)

- PE-353A3 Water Polo**  
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 wish to learn the basic fundamentals and strategies in beginning water polo. This course is highly recommended for the student who wishes to play water polo. (GC)
- PE-353B2 Intermediate Water Polo**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year; PE-353A2 or PE-353A3 or equivalent  
Accepted For Credit: CSU & UC  
This course is designed to teach students intermediate water polo skills and strategies. This course is highly recommended for the student who wishes to play water polo. (GC)
- PE-353B3 Intermediate Water Polo**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year; PE-353A2 or PE-353A3 or equivalent  
Accepted For Credit: CSU & UC  
This course is designed to teach students intermediate water polo skills and strategies. This course is highly recommended for the student who wishes to play water polo. (GC)
- PE-355A2 Aquatic Stroke Techniques**  
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 with very advanced swimming skills. Its focus is on the refinement of swimming techniques of the four competitive swimming strokes: butterfly, backstroke, breaststroke, freestyle and associated starts and turns. Repeatable = 3 times (GC)
- PE-355A3 Aquatic Stroke Techniques**  
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 with very advanced swimming skills. Its focus is on the refinement of swimming techniques of the four competitive swimming strokes: butterfly, backstroke, breaststroke, freestyle and associated starts and turns. Repeatable = 3 times (GC)
- PE-355A4 Aquatic Stroke Techniques**  
108.00 hrs lab  
Units: 2.00  
Advisory: Medical check within the last year  
This course is designed for students with very advanced swimming skills. Its focus is on the refinement of swimming techniques of the four competitive swimming strokes: butterfly, backstroke, breaststroke, freestyle and associated starts and turns. Repeatable = 3 times (GC)
- PE-356A2 Water Exercise**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed to provide students with a fitness program through various water exercise and swimming workouts. Repeatable = 3 times (GC)
- PE-356A3 Water Exercise**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed to provide students with a fitness program through various water exercises and swimming workouts. Repeatable = 3 times (GC)
- PE-357A2 Aqua Aerobics**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course will introduce aerobic activities in the swimming pool. Activities to include rhythmic movements to music, major muscle group exercises, and fluid resistance training. Repeatable = 3 times (GC)
- PE-357A3 Aqua Aerobics**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course will introduce aerobic activities in the swimming pool. Activities to include rhythmic movements to music, major muscle group exercises, and fluid resistance training. Repeatable = 3 times (GC)
- PE-360A2 Badminton**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed to give the student an understanding of the basic fundamentals of badminton. (GC)
- PE-360A3 Badminton**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This course is designed to give the student an understanding of the basic fundamentals of badminton. (GC)
- PE-360B2 Intermediate Badminton**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year; PE-360A2, PE-360A3, or equivalent  
Accepted For Credit: CSU & UC  
This course is designed to further develop the techniques and skill level of the badminton player. (GC)
- PE-360B3 Intermediate Badminton**  
54.00 hrs lab  
Units: 1.00  
Advisory: Medical check within the last year; PE-360A2, PE-360A3, or equivalent  
Accepted For Credit: CSU & UC  
This course is designed to further develop the techniques and skill level of the badminton player. (GC)
- PE-362A2 Beginning Tennis**  
36.00 hrs lab  
Units: 0.50  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This PE course is designed to teach the basic fundamentals, rules, and strategies pertaining to the game of tennis. (GC)

**PE-362A3 Beginning Tennis**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This PE course is designed to teach the basic fundamentals, rules, and strategies pertaining to the game of tennis. (GC)

**PE-362B2 Intermediate Tennis**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year; PE-362A2, PE-362A3, or equivalent

Accepted For Credit: CSU &amp; UC

This PE course is designed for students to learn the fundamental and intermediate skills of tennis. Strategy sessions in singles as well as doubles play will also be covered. (GC)

**PE-362B3 Intermediate Tennis**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year; PE-362A2 or PE-362A3 or equivalent

Accepted For Credit: CSU &amp; UC

This PE course is designed for students to learn the fundamental and intermediate skills of tennis. Strategy sessions in singles as well as doubles play will also be covered. (GC)

**PE-362C2 Advanced Tennis**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year; PE-362B2, PE-362B3, or equivalent

Accepted For Credit: CSU &amp; UC

This PE course is designed for students to learn the advanced skills of tennis including strategies, rules, and tournament play. (GC)

**PE-362C3 Advanced Tennis**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year; PE-362B2 or PE-362B3 or equivalent

Accepted For Credit: CSU &amp; UC

This PE course is designed for students to learn the advanced skills of tennis including strategies, rules, and tournament play. (GC)

**PE-365A2 Chi Walking/Running**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course is an aerobic activity designed to provide physical and cardiovascular benefits. Stretching and attaining each individual's target heart rate will be emphasized. (GC)

**PE-365A3 Chi Walking/Running**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course is an aerobic activity designed to provide physical and cardiovascular benefits. Stretching and attaining each individual's target heart rate will be emphasized. (GC)

**PE-366A2 Dance Aerobics**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This PE course is designed for students to learn a series of dances which will strengthen the cardiovascular system; strengthen, tone, and trim the skeletal muscle system; and increase flexibility. (GC)

**PE-366A3 Dance Aerobics**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This PE course is designed for students to learn a series of dances which will strengthen the cardiovascular system; strengthen, tone, and trim the skeletal muscle system; and increase flexibility. (GC)

**PE-367A2 Step Aerobics**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

Step Aerobics is an introduction to choreography utilizing the step as a means for improving cardiorespiratory endurance. A complete warm-up and cool down will be included. Toning exercises for the abdominal and upper body will complete the workout. (GC)

**PE-367A3 Step Aerobics**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

Step Aerobics is an introduction to choreography utilizing the step as a means for improving cardiorespiratory endurance. A complete warm-up and cool down will be included. Toning exercises for the abdominal and upper body will complete the workout. (GC)

**PE-368A2 Hi-Low Aerobics**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course utilizes aerobic exercise done to music to stimulate cardiorespiratory fitness. A thorough warm-up and cool down, as well as abdominal strengthening will be included. A final stretching routine will focus on increasing flexibility, primarily in the low back and hamstrings. (GC)

**PE-368A3 Hi-Low Aerobics**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course utilizes aerobic exercise done to music to stimulate cardiorespiratory fitness. A thorough warm-up and cool down, as well as abdominal strengthening will be included. A final stretching routine will focus on increasing flexibility, primarily in low back and hamstrings. (GC)

**PE-371A2 Total Body Conditioning**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

Total body conditioning program emphasizing muscular strength and endurance, cardiorespiratory endurance, and flexibility. Aerobic activities are combined with resistance training exercises and are designed to work the total body. Step aerobics, aerobic dance, power walking, circuit training, and interval training will be introduced. (GC)

**PE-371A3 Total Body Conditioning**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

Total body conditioning is a complete conditioning program emphasizing muscular strength and endurance, cardiorespiratory endurance, and flexibility. Aerobic activities are combined with resistance training exercises and are designed to work the total body. Step aerobics, aerobic dance, power walking, circuit training, and interval training will be introduced. (GC)

**PE-372B2 Boot Camp**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course combines cardiorespiratory, strength, flexibility and core training into a back-to-basics approach to fitness. Body weight exercises, like sit-ups, push-ups, 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. Repeatable = 3 times (GC)

**PE-372B3 Boot Camp**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course combines cardiorespiratory, strength, flexibility and core training into a back-to-basics approach to fitness. Body weight exercises, like sit-ups, push-ups, 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. Repeatable = 3 times (GC)

**PE-374A2 Kickboxing**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; 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-374A3 Kickboxing**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; 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 &amp; 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. Repeatable = 3 times (GC)

**PE-375A3 Tai Chi**

54.00 hrs lab

Units: 1.00

Accepted For Credit: CSU &amp; UC

This physical activity course is designed to focus on Tai Chi as a lifetime leisure activity. Tai Chi practice is suitable for all ages and levels of fitness. Benefits include stress reduction, improved balance, and injury prevention through improvement of joint stability and increased range of motion. Repeatable = 3 times (GC)

**PE-376A2 Yoga**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course will explore the philosophies and positions related to yoga fundamentals. In addition, concepts of meditation will be introduced. Repeatable = 3 times (GC)

**PE-376A3 Yoga**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course will explore the philosophies and positions related to yoga fundamentals. In addition, concepts of meditation will be introduced. Repeatable = 3 times (GC)

**PE-376B2 Fitness Yoga**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course combines yoga and fitness principles in a unique blend that develops muscle endurance, strength, balance, flexibility and core stability through a series of exercises and traditional yoga poses. Repeatable = 3 times (GC)

**PE-376B3 Fitness Yoga**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This course combines yoga and fitness principles in a unique blend that develops muscle endurance, strength, balance, flexibility and core stability through a series of exercises and traditional yoga poses. Repeatable = 3 times (GC)

**PE-376C2 Yoga and Meditation**

36.00 hrs lab

Units: 0.50

Accepted For Credit: CSU &amp; UC

This class introduces the student to the basic principles and practices of yoga, including yogic breathing, positioning, and a holistic approach to a healthy mind and body. Various meditation techniques will be introduced and practiced with a focus on relaxation and stress reduction. Repeatable = 3 times (GC)

**PE-376C3 Yoga and Meditation**

54.00 hrs lab

Units: 1.00

Accepted For Credit: CSU &amp; UC

This class introduces the student to the basic principles and practices of yoga, including yogic breathing, positioning, and a holistic approach to a healthy mind and body. Various meditation techniques will be introduced and practiced with a focus on relaxation and stress reduction. Repeatable = 3 times (GC)

**PE-377A2 Pilates**

36.00 hrs lab

Units: 0.50

Accepted For Credit: CSU &amp; UC

This course will allow the student to increase their strength, flexibility, stamina, and concentration through the use of floor exercise. This technique driven class will introduce positions such as the 100's, roll downs, table tops, and rockers. Repeatable = 3 times (GC)

**PE-377A3 Pilates**

54.00 hrs lab

Units: 1.00

Accepted For Credit: CSU &amp; UC

This course will allow the student to increase their strength, flexibility, stamina, and concentration through the use of floor exercise. This technique driven class will introduce positions such as the 100's, roll downs, table tops, and rockers. Repeatable = 3 times (GC)

**PE-378A2 Indoor Cycling**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

Indoor Cycling is a group exercise class done on stationary bikes to music. During the class the instructor simulates an outdoor ride. Together, you travel on flat roads, climb hills, sprint and race. The workout is non-impact and you control the resistance and intensity making it the perfect cardiovascular workout for every fitness level. Burn calories, improve endurance, strengthen your lower body, and relax the mind without the need for special skills. Repeatable = 3 times (GC)

**PE-378A3 Indoor Cycling**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

Indoor Cycling is a group exercise class done on stationary bikes to music. During the class the instructor simulates an outdoor ride. Together, you travel on flat roads, climb hills, sprint and race. The workout is non-impact and you control the resistance and intensity making it the perfect cardiovascular workout for every fitness level. Burn calories, improve endurance, strengthen your lower body, and relax the mind without the need for special skills. Repeatable = 3 times (GC)

**PE-378B2 Term and Burn**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

Combine an active workout on a stationary cycle with a review of medical terminology and you have Term and Burn. Each class will review anatomical, physiological, and scientific vocabulary combined with a heart-thumping, cardiovascular workout. This class is appropriate for students in the PTA, RT, and Nursing programs, as well as those with an interest in Physical Education, Personal Training or a career in the fitness industry. Repeatable = 3 times (GC)

**PE-378B3 Term and Burn**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

Combine an active workout on a stationary cycle with a review of medical terminology and you have Term and Burn. Each class will review anatomical, physiological, and scientific vocabulary combined with a heart-thumping, cardiovascular workout. This class is appropriate for students in the PTA, RT, and Nursing programs, as well as those with an interest in Physical Education, Personal Training or a career in the fitness industry. Repeatable = 3 times (GC)

**PE-379A2 Body Sculpting**

36.00 hrs lab

Units: 0.50

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This physical activity course is designed to focus on total body conditioning to help you reach your 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. Repeatable = 3 times (GC)

**PE-379A3 Body Sculpting**

54.00 hrs lab

Units: 1.00

Advisory: Medical check within the last year

Accepted For Credit: CSU &amp; UC

This physical activity course is designed to focus on total body conditioning to help you reach your 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. Repeatable = 3 times (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 &amp; UC

Individualized course designed to meet physical needs of physically limited students. Recommended for disabled students. (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 &amp; UC

Individualized course designed to meet physical needs of physically limited student. Recommended for disabled students. (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 &amp; UC

This course is designed to meet the needs of the physically limited student in a physical education program. Individualized aquatic programs allow participation for recreation value. (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 program. Individualized aquatic programs allow participation for recreational value. (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 program. Individualized cardiovascular conditioning and gradual endurance exercises allow participation for recreational value. (GC)

**PE-396A3 Adaptive Physical Education – Striding**  
 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 program. Individualized cardiovascular conditioning and gradual endurance exercises allow participation for recreational value. (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 program. Individualized fitness and general exercising allows participation for recreational value. (GC)

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## PHYSICAL SCIENCE

Division: Science, Technology, and Engineering

**PHS-135 Physical Science**  
 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 explores a variety of physical science topics (focus on solid matter) through laboratory investigation. (GR)

## PHYSICAL THERAPIST ASSISTANT

Division: Health Sciences and Environmental Studies

**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. It 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)

**PTA-105A Therapeutic Exercise I**

36.00 hrs lecture, 54.00 hrs lab

Units: 3.00

Prerequisite: Admission into PTA program; PTA-102, PTA-103; all graded PTA courses must be completed with a grade of C or better

Corequisite: PTA-104, PTA-106

Accepted For Credit: CSU

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)

**PTA-105B Therapeutic Exercise II**

36.00 hrs lecture, 54.00 hrs lab

Units: 3.00

Prerequisite: Admission into the PTA program; PTA-105A; all graded PTA courses must be passed with a grade of C or better

Corequisite: PTA-108

Accepted For Credit: CSU

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)

**PTA-106 Orthopedics**

36.00 hrs lecture

Units: 2.00

Prerequisite: Admission into the PTA program; PTA-102, PTA-103; all graded PTA courses must be passed with a grade of C or better

Accepted For Credit: CSU

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 out-patient setting. Signs and symptoms, surgical intervention, treatment regimens, and implications for rehabilitation are all covered in this class. (GR)

**PTA-107C Clinical Practicum III**

162.00 hrs lab

Units: 3.00

Prerequisite: PTA-107B

Corequisite: PTA-109, PTA-110, PTA-111

Accepted For Credit: CSU

This course is a continuation of the clinical education of the physical therapist assistant. It builds on the skills learned in PTA-107B. This course focuses on the collection and interpretation of clinical data and includes exposure to various testing devices 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 will conduct a workplace or practice analysis to consider the structure and function of the clinical setting. This evaluation will include such factors as patient referral patterns, time management, staff utilization, and marketing plans. The purpose of the exercise is to acquaint students with fiscal and management considerations in the health care delivery system. Laboratory experiences may include opportunities in more than one setting, as designated by the instructor. Repeatable = 1 time (CR)

**PTA-108 Advanced Modalities**

27.00 hrs lecture, 27.00 hrs lab

Units: 2.00

Prerequisite: Admission to PTA/Program PTA-101

Accepted For Credit: CSU

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)

**PTA-109 Physical Therapy Through the Life Span**

27.00 hrs lecture, 27.00 hrs lab

Units: 2.00

Prerequisite: Admission to PTA program; PTA-105A, PTA-105B, and PTA-106

Accepted For Credit: CSU

This course will introduce students to the role of physical therapy treatment as it applies to the developmental process from gestation through aging. Emphasis is placed on neurodevelopmental techniques used for abnormal development in infants and children, as well as treatment protocols for patients with neurologic or musculoskeletal disorders. The aging process will be covered with concentration on the effects of exercise and activity on improving the quality of life of the individual. Repeatable = 1 time (GR)

**PTA-110 Neurological Disorders**

27.00 hrs lecture, 27.00 hrs lab

Units: 2.00

Prerequisite: Admission to the PTA program; PTA-105A, PTA-105B, PTA-107A, and PTA-107B

Accepted For Credit: CSU

This course is intended to increase students' knowledge of the anatomy and physiology of the human nervous system including the central, peripheral, and autonomic nervous systems. Emphasis is placed on the clinical manifestations of disease or injury to the nervous system as it relates to the clinical picture of the physical therapy patient. (GR)

**PTA-111 Advanced Procedures**

27.00 hrs lecture, 27.00 hrs lab

Units: 2.00

Prerequisite: Admission to PTA Program; PTA-101

Accepted For Credit: CSU

This course is a continuation of clinical procedures mastered in PTA-108, Advanced Modalities. This course is an introduction to the application of orthotic and prosthetic devices. Included in the course is a discussion and demonstration of the types of devices utilized in the treatment of the disabled individual, as well as procedures commonly used in the maintenance, donning, and removal of these devices. Students will learn how to instruct and prepare the patient to utilize this specialized equipment. Problem solving will be utilized in assisting students to apply standardized practices to meet individual patient needs. (GR)

**PTA-119 Sports Performance Testing**

18.00 hrs lecture, 54.00 hrs lab

Units: 2.00

Cross-referenced Course: KIN-256

Prerequisite: Acceptance in PTA program

Accepted For Credit: CSU

This course is intended to cover assessment methods commonly used to evaluate athletic ability. It will cover anaerobic testing methods used to establish baseline, normative, and developmental data. Testing for specific sports such as basketball, football, soccer, and tennis is also covered. Repeatable = 1 time (GR)

**PTA-140 PTA Licensure Preparation**  
54.00 hrs lab  
Units: 1.00  
This course is designed to assist students in preparation to sit for licensure as a physical therapist assistant. Content, scope, and format of both the National PTA Licensure Exam and the California PT Laws and Regulations Exam will be addressed. Additionally, test-taking skills, study skills, content review, and self-assessment exercises will be used to facilitate preparation for these examinations. Repeatable = 1 time (CR)

**PTA-150 Medical Ethics and Healthcare in the United States**  
54.00 hrs lecture  
Units: 3.00  
Investigation of current medical ethics and bioethics topics relevant to the allied health fields, as well as analysis of health care delivery systems, reimbursement models, and funding issues seen in health care in the United States. Repeatable = 2 times (GC)

**PTA-301 Clinical Practicum I**  
216.00 hrs lab  
Units: 4.00  
Prerequisite: Admission to the PTA Program; PTA-104, PTA-105A, PTA-106, PTA-108  
Accepted For Credit: CSU  
This course gives the student initial exposure to physical therapy treatment procedures in the clinical setting with patients experiencing disability of the peripheral and central nervous systems. Students will practice application of physical therapy procedures according to the protocols of the clinical facility. Students will learn the process of communication with patients and therapists. The clinical experience includes initial patient contact, patient set-up, and the administration of modalities under the auspices of the physical therapist clinical instructor. The practicum setting involves training in one or more physical therapy settings as designed by the instructor. Repeatable = 1 time (CR)

**PTA-302 Clinical Practicum II**  
216.00 hrs lab  
Units: 4.00  
Prerequisite: PTA-105B, PTA-109, PTA-110, PTA-301  
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. Repeatable = 1 time (CR)

**PTA-303 Clinical Internship**  
243.00 hrs lab  
Units: 4.50  
Prerequisite: PTA-111, PTA-302  
Accepted For Credit: CSU  
This course is the culmination of all previous clinical experiences. Under the guidance of the clinical instructor, students will utilize knowledge gained in the previous four semesters to deliver physical therapy care to patients experiencing simple to complex diagnosis. Students will be expected to participate in the clinic setting by rendering modality treatments, work with patients on activities of daily living, initiate proper application of orthotic and prosthetic devices, and test and interpret results from functional and objective testing, as well as perform documentation and assist with discharge planning. Laboratory experiences may include training in more than one setting as designated by the instructor. (CR)

**PTA-365 Supervised Tutoring**  
180.00 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 and skill enhancement in a subject. It may include consultation with skills lab coordinator and supervised tutoring and/or student tutors. Repeatable = 3 times (NG)

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## PHYSICS

Division: Science, Technology, and Engineering

**PHYS-108 Survey of Physics**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-151B, ENGL-163, 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)

**PHYS-120 Introduction to Physics I**  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Prerequisite: MATH-181  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
This course is a study of Newtonian mechanics, energy and transformations, gases, liquids, and solids. Periodic motion and waves will also be studied. (GR)

**PHYS-120A Introduction to Physics – Calculus Supplement**  
18.00 hrs lecture  
Units: 1.00  
Prerequisite: MATH-101A or equivalent  
Corequisite: PHYS-120  
Accepted For Credit: CSU & UC  
This is an introduction to basic concepts of Calculus with applications to Physics Mechanics. (GR)

- PHYS-121 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. (GR)
- PHYS-121A Introduction to Physics II – Calculus Supplement**  
18.00 hrs lecture  
Units: 1.00  
Prerequisite: MATH-101A and PHYS-120 or equivalent  
Accepted For Credit: CSU & UC  
This is an introduction to Calculus as applied to problems of electromagnetism. (GR)
- PHYS-131D Review of Physics Concepts**  
18.00 hrs lecture  
Units: 1.00  
Corequisite: Concurrent enrollment in PHYS-103 or PHYS-120 or PHYS-121 or PHYS-140 or PHYS-141 or PHYS-142  
This is an introduction to study techniques and more in-depth discussions of physics principles and problem-solving. This course is designed to review the material covered in selected Physics course(s) taken concurrently. Repeatable = 3 times (CR)
- PHYS-140 Mechanics**  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Prerequisite: MATH-101A with grade of C or better  
Corequisite: MATH-101B  
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). (GR)
- PHYS-141 Electricity and Magnetism**  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Prerequisite: PHYS-140  
Corequisite: MATH-101C  
Accepted For Credit: CSU & UC  
This course is a study of electric and magnetic fields, simple DC and AC circuits, and electromagnetic waves. (GR)

- PHYS-142 Optics, Heat, and Modern Physics**  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Prerequisite: PHYS-140  
Corequisite: MATH-101C  
Advisory: PHYS-141  
Accepted For Credit: CSU & UC  
A review of wave physics is offered to introduce physical optics (interference, diffraction, polarization) and to prepare for quantum physics. The basic principles of quantum physics (wave-particle duality, uncertainty principle, wave functions and probability interpretation, Schrodinger's wave equation and quantification) are covered. Wave mechanical calculations are performed on a few simple systems (free and trapped electron, harmonic oscillator) in order to illustrate energy quantification and tunneling. In special relativity, the historical significance of speed of light measurements is discussed in order to understand Einstein's postulates of special relativity and contrast them with Newtonian relativity. Then appropriate thought experiments are used to establish time dilation, length contraction, and relativistic expressions for Newton's second law, momentum, acceleration, total kinetic energy. In geometrical optics, the laws of reflection and refraction and their application to optical instruments containing lenses and mirrors are covered. In thermal physics, the concept of temperature and its meaning in kinetic gas theory is highlighted. A phenomenological study of thermal energy transfer and of the laws of thermodynamics is offered. If time permits, a descriptive overview of the big bang theory is presented, incorporating results from elementary particle physics, nuclear and general relativity. Labs in wave physics and optics as well as in atomic physics are available. (GR)
- PHYS-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. (NG)

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## POLITICAL SCIENCE

Division: Humanities, Social Sciences, and Mathematics

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

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

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

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

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

**PS-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. Repeatable = 3 times (NG)

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## PSYCHOLOGY

Division: Humanities, Social Sciences, and Mathematics

**PSY-101 General Psychology**  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course is an introduction to the study of behavior and mental processes, including psychology as a science, perception, motivation, intelligence, learning, memory, development, personality, mental health, and the biological and social bases of behavior. (GR)

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

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

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

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

**PSY-108 A Survey of Human Development**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course is a study of human development from conception to death with an emphasis upon understanding events unique to each stage. (GC)

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

- PSY-114 Introduction to Paraprofessional Counseling**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Cross-referenced Course: PD-114  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU  
This course is designed for students who are interested in learning basic counseling theories, skills, and ethics. Training will emphasize crisis intervention, active listening, and other skills which are necessary for effective interpersonal communication. Includes supervised experience on campus and in the community. (GC)
- PSY-115 Abnormal Psychology**  
54.00 hrs lecture  
Units: 3.00  
Advisory: PSY-101; eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course introduces students to the major theoretical perspectives of psychopathology. It examines the categories of psychological disorders, their etiology, assessment of the disorders, current treatment methods, and possible causes of abnormal behavior. (GR)
- PSY-120 Biological Psychology**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC  
This course focuses on the nervous system and how it affects human behavior and mental processes. Topics include the anatomy of the nervous system, neural communication, development, plasticity, psychoactive drugs, the senses, sleep-wake cycles, and sexual behavior. (GC)
- PSY-139 Psychology in the Workplace**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: BA-139  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU  
This course applies principles of psychology to the workplace. Topics include combination skills, stress, cultural diversity, teamwork, understanding self and others, motivation, leadership, and other factors crucial to functioning effectively in the workplace. (GC)

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## REAL ESTATE

Division: Fine Arts, Business, and Communication Studies

- RE-117 Computer Applications in Real Estate**  
45.00 hrs lecture, 27.00 hrs lab  
Units: 3.00  
This course provides students with classroom and laboratory experience in computer applications and their use in the real estate industry. Students learn how computer applications and technology enhance one's ability to engage in real estate practices. Students use software programs to perform tasks in word processing, spreadsheet, presentation, database, project/time management, and Web page creation. Software in the areas of real estate finance, real estate appraisal, property management, and residential sales are demonstrated. Students learn about the different types of computer and hardware devices. Students will utilize the Internet as a research and marketing tool. Repeatable = 1 time (GR)

- RE-121 Real Estate Principles**  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU  
This is a fundamental real estate course covering basic laws and principles of California real estate. It provides background and terminology necessary for advanced study in specialized courses and is required in order to qualify for the real estate sales license examination. (GC)
- RE-122 Real Estate Practice**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: RE-121 or a valid real estate license  
Accepted For Credit: CSU  
The day-to-day business of real estate including how to do listings, deposit receipts, open escrows, and obtain financing will be covered. This course is one of the required courses for the real estate salesperson license. (GC)
- RE-124 Legal Aspects of Real Estate**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: RE-121 or valid real estate license or instructor's approval  
Accepted For Credit: CSU  
This course is a study of California real estate law including rights incident to property ownerships and management, agency, contracts, and application of real estate transfer. Specific topics include conveyance, probate proceedings, trust deeds, foreclosure, and recent legislation governing real estate transactions. This course is one of the required courses for the broker's license examination. (GC)
- RE-126 Real Estate Finance**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: RE-121 or valid real estate license or instructor's approval  
Accepted For Credit: CSU  
This real estate course covers the various types of lenders, their policies, and the market they serve. An in-depth analysis of the secondary market will be covered. This is one of the required courses for the broker's examination. (GC)
- RE-128 Real Estate Appraisal**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: RE-121 or valid real estate license  
Accepted For Credit: CSU  
An introductory course covering the purposes of appraisals; the appraisal process; and the different approaches, methods, and techniques used to determine the value of various types of property. This is one of the required courses for the broker's license examination. (GC)
- RE-131 Mortgage Loan Brokering and Lending**  
54.00 hrs lecture  
Units: 3.00  
This course introduces students to the aspects of mortgage brokering operations including office setup, loan processing, lending regulations, types of loans, loan submission, quality control, FICO credit scoring, loan packaging, shipping, and mortgage math. (GC)

- RE-132 Real Estate Economics**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: RE-121  
Accepted For Credit: CSU  
This is an introductory course in real estate economics covering principles from both general economics and real estate practice. It discusses basic economic background for real estate analysis, how real estate markets function, major influences on real estate development, and real estate investment activities. Important economic concepts such as the monetary policy and the fiscal policy are included. (GC)
- RE-134 Real Estate Office Administration**  
54.00 hrs lecture  
Units: 3.00  
An overview of general real estate brokerage. This course covers the broker and license law, the real estate commission, the specialist and the generalist in brokerage, when and how to expand, sales personnel, recruiting, training and supervision, administration of the brokerage operation, and other topics pertaining to the day-to-day brokerage business. This is one of the elective courses for the broker's license examination. (GC)
- RE-136 Common Interest Developments**  
54.00 hrs lecture  
Units: 3.00  
This class covers the basics of managing, purchasing, and selling of common interest developments (CIDs). This is one of the required courses for the sales person and broker's licenses. (GC)
- RE-145 Escrow Procedures**  
54.00 hrs lecture  
Units: 3.00  
Advisory: RE-121, valid real estate license, or escrow employment  
This course is a study of the escrow company and its role in the transfer of real property with emphasis on the legal aspects, the requirements of a valid escrow, and the practical use of such companies in the real estate industry. (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)
- RE-195A1 Work Experience Education – Vocational**  
75.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU  
Work experience education for students employed in jobs directly related to a major. Units received are based on hours worked. (GC)
- RE-195A2 Work Experience Education – Vocational**  
150.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU  
Work experience education for students employed in jobs directly related to a major. Units received are based on hours worked. (GC)

- RE-195A3 Work Experience Education – Vocational**  
225.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU  
Work experience education for students employed in a job directly related to a major. Units received are based on hours worked. (GC)
- RE-195A4 Work Experience Education – Vocational**  
300.00 hrs lab  
Units: 4.00  
Accepted For Credit: CSU  
Work experience education for students employed in jobs directly related to a major. Units received are based on hours worked. (GC)

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## RESPIRATORY THERAPIST

Division: Health Sciences and Environmental Studies

- RT-101 Principles of Respiratory Therapy I**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: Admission to the RT program; MATH-151; CHEM-106A or equivalent  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU  
This course presents basic theory and rationale for respiratory care. It includes history and organization of respiratory therapy services, basic cardiopulmonary anatomy and physiology, medical gas therapy, and introduction to respiratory pathophysiology. (GR)
- RT-101L Beginning Clinical Practice**  
54.00 hrs lab  
Units: 1.00  
Prerequisite: Admission to the RT program  
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. Repeatable = 1 time (CR)
- RT-102 Beginning Laboratory**  
108.00 hrs lab  
Units: 2.00  
Prerequisite: Admission to the RT program  
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. Repeatable = 1 time (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. Repeatable = 1 time (CR)

- RT-104A Principles of Respiratory Therapy II**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: Admission to the RT program; completion of semester 1 of RT program  
Accepted For Credit: CSU  
This course is designed to study hyperinflation therapy, principles of humidification and aerosol therapy, chest assessment, cardiac anatomy and physiology, and acid base balance. Repeatable = 1 time (GR)
- RT-104B Principles of Respiratory Therapy III**  
54.00 hrs lecture  
Units: 3.00  
Prerequisite: Admission to the RT program; completion of semester 1 of RT program  
Accepted For Credit: CSU  
This course includes study of advanced respiratory physiology including oxygenation and hypoxia and interpretation of arterial blood gas analysis. It includes respiratory care modalities of lung expansion therapy, interpretation of cardiopulmonary patient assessments and documentation of therapy delivered, and methods of equipment cleaning and sterilization. (GR)
- RT-105A Intermediate Laboratory I**  
54.00 hrs lab  
Units: 1.00  
Prerequisite: Admission to the RT program; completion of semester 1 of RT program  
Accepted For Credit: CSU  
This course provides laboratory practice of intermediate-level therapist skills including chest assessment, hyperinflation therapy, chest physical therapy, and airway management. Repeatable = 1 time (CR)
- RT-105B Intermediate Laboratory II**  
27.00 hrs lab  
Units: 0.50  
Prerequisite: Admission to the RT program; completion of semester 1 of RT program  
Accepted For Credit: CSU  
This course provides laboratory practice of intermediate-level therapist skills especially those related to artificial ventilation. Repeatable = 1 time (CR)
- RT-106 Intermediate Clinical Practice**  
108.00 hrs lab  
Units: 2.00  
Prerequisite: Admission to the RT program; completion of semester 1 of RT program  
Accepted For Credit: CSU  
This is a supervised clinical experience course at area hospitals. It emphasizes the practice of beginning and intermediate-level problem-solving and technical skills including assessment, oxygen therapy, humidity and aerosol administration, and chest physical therapy; or hyperinflation therapy, airway management, and beginning artificial ventilation. Repeatable = 1 time (CR)
- RT-107 Intermediate Clinical Practice**  
216.00 hrs lab  
Units: 4.00  
Prerequisite: Admission to the RT program; completion of semester 1 of RT program  
Accepted For Credit: CSU  
This is a supervised clinical experience course at area hospitals. It emphasizes the practice of beginning and intermediate-level problem-solving and technical skills including assessment, oxygen therapy, humidity and aerosol administration, chest physical therapy, hyperinflation therapy, airway management and beginning artificial ventilation. Repeatable = 1 time (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. Repeatable = 1 time (GR)
- RT-130A Advanced Respiratory Therapy I**  
45.00 hrs lecture  
Units: 2.50  
Prerequisite: Admission to RT program; completion of first year of RT program  
Accepted For Credit: CSU  
This course provides an introduction to the theory of advanced respiratory care with emphasis on refinement of patient assessment techniques, problem solving ability, and development of sound clinical judgments. Repeatable = 1 time (GR)
- RT-130B Advanced Respiratory Therapy II**  
27.00 hrs lecture  
Units: 1.50  
Prerequisite: Admission to the RT program; completion of semesters 1, 2, and 3 of RT program  
Accepted For Credit: CSU  
This course presents concepts of advanced respiratory care with emphasis on recognition, interpretation, and treatment of cardiopulmonary anatomical and physiological alterations of the body as a consequence of disease or trauma. Repeatable = 1 time (GR)
- RT-130L Advanced Clinical Practice**  
108.00 hrs lab  
Units: 2.00  
Prerequisite: Admission to RT program; completion of first year of RT program  
Accepted For Credit: CSU  
This is a supervised clinical experience course at area hospitals. It emphasizes the practice of advanced-level technical skills including procedures employed in emergency care situations, artificial airway maintenance and discontinuance, arterial blood sampling measurements, and initiation and termination of mechanical ventilatory life support. Repeatable = 1 time (CR)
- RT-131A Principles of Mechanical Ventilation I**  
45.00 hrs lecture  
Units: 2.50  
Prerequisite: Admission to RT program; completion of first year of RT program  
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. Repeatable = 1 time (GR)
- RT-131B Principles of Mechanical Ventilation II**  
45.00 hrs lecture  
Units: 2.50  
Prerequisite: Admission to the RT program; completion of semesters 1, 2, and 3 of RT program  
Accepted For Credit: CSU  
This course presents special problems in mechanical ventilation as they apply to specific disease entities and trauma and emphasizes interpretation of hemodynamics and pulmonary monitoring systems on the patient requiring cardiovascular and respiratory life support. Repeatable = 1 time (GR)



Photo courtesy of Don Jedlovec.

**RT-132 Advanced Laboratory**

54.00 hrs lab

Units: 1.00

Prerequisite: Admission to the RT program; completion of first year of RT program

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. Repeatable = 1 time (CR)

**RT-133 Mechanical Ventilation Laboratory**

108.00 hrs lab

Units: 2.00

Prerequisite: Students must successfully complete RT-105B and RT-131A

Accepted For Credit: CSU

This course provides laboratory practice of advanced level therapist skills related to the application of mechanical ventilation including ventilator readiness, circuit changes, maintenance, and adjunctive procedures. Repeatable = 1 time (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-104, BIOL-106, or BIOL-107 with grade of C or better; PHYS-108 with grade of C or better

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. Repeatable = 1 time (GR)

**RT-134L Clinical Practicum in Neonatal and Pediatric Respiratory Care**

81.00 hrs lab

Units: 1.50

Prerequisite: Admission to the RT program; completion of first two year of the RT program; BIOL-104, BIOL-106, or BIOL-107 with a grade of C or better; PHYS-108 with grade of C or better

Accepted For Credit: CSU

This course offers clinical application of respiratory care procedures and techniques to the needs of the premature ill neonate and developing child. Repeatable = 1 time (CR)

**RT-135 Computer Simulation for Respiratory Care**

27.00 hrs lab

Units: 0.50

Prerequisite: Admission to the RT program; completion of semesters 1, 2, and 3 of RT program

This course prepares students for the Respiratory Care National Board Clinical Simulation Examination which requires specialized knowledge in solving patient management problems written in a branching logic format. Students will practice basic computer skills involving data entry and retrieval. Repeatable = 2 times (GR)(first time), (CR)(subsequent enrollment)

**RT-136 Critical Care Clinical Practice**

189.00 hrs lab

Units: 3.50

Prerequisite: Admission to the RT program; completion of semesters 1, 2, and 3 of RT program

Corequisite: RT-130B and RT-131B, unless already completed

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. Repeatable = 1 time (CR)

**RT-137 Home Respiratory Care and Pulmonary Rehabilitation**

9.00 hrs lecture

Units: 0.50

Prerequisite: Admission to the RT program; completion of semesters 1 and 2 of RT program

Accepted For Credit: CSU

This course provides an overview of the respiratory therapist's 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. Repeatable = 1 time (GR)

**RT-138 Specialty Rotations in Respiratory Care**

27.00 hrs lab

Units: 0.50

Prerequisite: Admission to the RT program; completion of semesters 1, 2, and 3 of RT program

Accepted For Credit: CSU

This is a supervised clinical experience course at area home care establishments, local hospitals, and pulmonary physicians' office. Students will have the opportunity to select experiences that match their interests including individual rotations with physicians, participation in ongoing pulmonary rehabilitation programs, and visitation of patients receiving respiratory home care. Repeatable = 1 time (CR)

**RT-139 Pulmonary Function Testing**

18.00 hrs lecture

Units: 1.00

Prerequisite: Admission to the RT program

Accepted For Credit: CSU

This course provides an in-depth survey of various pulmonary laboratory methods to detect the presence and degree of respiratory impairment/disease. Repeatable = 1 time (GR)

- RT-139L Clinical Practice in Pulmonary Function Testing**  
27.00 hrs lab  
Units: 0.50  
Prerequisite: Admission to the RT 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. Repeatable = 1 time (CR)
- RT-140 Basic Introduction to Polysomnography**  
9.00 hrs lecture  
Units: 0.50  
The study and assessment of sleep is a very contemporary concern in the field of respiratory care. This course will provide an overview of sleep adequacy analysis, sleep disorders, and activities of practitioners who assess and treat individuals with sleep problems. (GR)
- RT-145 Cardio-Pulmonary Resuscitation (CPR) Basic Life Support (BLS)**  
9.00 hrs lecture  
Units: 0.50  
Prerequisite: Admission to RT/RN/PTA program; other students may enroll if space is available  
This course meets the American Heart Association requirements for basic life support CPR training for health care professionals only. Repeatable = 1 time (GC)
- RT-365 Supervised Tutoring**  
180.00 hrs lab  
Units: 0.00  
Prerequisite: Instructor or counselor referral  
Individualized tutoring to assist students to develop a learning methodology and skills enhancement in a subject. Not applicable to associates degree. Repeatable = 3 times (NG)

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## SOCIOLOGY

Division: Humanities, Social Sciences, and Mathematics

- SOC-101 Introduction to Sociology**  
54.00 hrs lecture  
Units: 3.00  
Advisory: ENGL-101A  
Accepted For Credit: CSU & UC  
This course is an exploration of our culturally diverse society from a multi-perspective approach. Systematic study of social human behavior and human groups with an emphasis on the influence of social relationships on people's attitudes, behaviors, and how societies are established and changed. (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 is a social problems course emphasizing the exploration of multicultural issues utilizing basic research methods. It is designed to provide a disciplined approach to investigating and understanding the various facets of our culturally diverse society. (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 a study of the family as an institution. Emphasis is on developing interpersonal relationships, mate selection, and marital and parental roles. This course will study alternative lifestyles, sex roles in transition, and survey of current literature. (GC)
- SOC-106 Chicano Culture I**  
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-107 The World of Work**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU  
A study of the world of work from its historical development and meaning to its present position in our lives. Work will be examined in relationship to its influence on identity formation, the choice process, standard of living, life style, leisure, retirement, and self-fulfillment. (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)

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## SPANISH

Division: Humanities, Social Sciences, and Mathematics

- SPAN-101A Elementary Spanish**  
90.00 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. (GR)

**SPAN-101B Elementary Spanish**

90.00 hrs lecture, 18.00 hrs lab  
Units: 5.00

Prerequisite: SPAN-101A or two years high school Spanish, or permission from instructor  
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. It is a continuation of SPAN-101A studies. This version of the course is delivered on-line, with special on-line supplements for audio and visual materials. (GR)

**SPAN-102A Intermediate Spanish**

90.00 hrs lecture, 18.00 hrs lab  
Units: 5.00

Prerequisite: SPAN-101B with grade of C or better 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. (GR)

**SPAN-102B Intermediate Spanish**

90.00 hrs lecture, 18.00 hrs lab  
Units: 5.00

Prerequisite: SPAN-102A with grade of C or better  
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. (GR)

**SPAN-111 Individualized Spanish Lab**

9.00 hrs lecture, 27.00 hrs lab  
Units: 0.50

Accepted For Credit: CSU

This course involves individual and independent laboratory studies to increase students' proficiency in oral and written Spanish. Repeatable = 3 times (GR)

**SPAN-112 Individualized Spanish Lab**

18.00 hrs lecture, 54.00 hrs lab  
Units: 1.00

Accepted For Credit: CSU

This course involves individual and independent laboratory studies to increase students' proficiency in oral and written Spanish. Repeatable = 3 times (GR)

**SPAN-121A Beginning Conversational Spanish**

54.00 hrs lecture  
Units: 3.00

Accepted For Credit: CSU

This course teaches essentials in Spanish conversation leading to the development of oral use of the Spanish language in everyday situations. Students will experience extensive oral practice of the language as well as essential grammatical fundamentals. (GC)

**SPAN-121B Beginning Conversational Spanish**

54.00 hrs lecture  
Units: 3.00

Prerequisite: SPAN-121A with grade of C or better or 2 years high school Spanish  
Accepted For Credit: CSU

This course continues teaching the essentials in Spanish conversation leading to the development of oral use of the Spanish language in everyday situations. Students will experience extensive oral practice of the language as well as essential grammatical fundamentals. (GC)

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**SPEECH AND COMMUNICATION STUDIES**

Division: Fine Arts, Business, and Communication Studies

**SPCH-101 Introduction to Public Speaking**

54.00 hrs lecture, 18.00 hrs lab  
Units: 3.00

Advisory: ENGL-101A  
Accepted For Credit: CSU & UC

Practice public speaking through delivery techniques, organizing an outline and applying research methodology to support speech topic. (GR)

**SPCH-102 Critical Thinking/Group Decision Making**

54.00 hrs lecture  
Units: 3.00

Prerequisite: Completion of ENGL-101A with a grade of C or better  
Accepted For Credit: CSU & UC

Enhance small group communication and reasoning in the context 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: Eligibility for ENGL-101A  
Accepted For Credit: CSU & UC

Study and practice the principles of relational communication in intrapersonal and interpersonal relationships at home and work. (GR)

**SPCH-104 Critical Thinking/Persuasion**

54.00 hrs lecture  
Units: 3.00

Prerequisite: ENGL-151B  
Advisory: ENGL-101A with grade of C or better  
Accepted For Credit: CSU & UC

Learn persuasive techniques and develop critical thinking skills necessary to evaluate personal and public messages. Emphasis on logical reasoning, evaluation of evidence, and the development of a persuasive message. (GR)

**SPCH-105 Intercultural Communication**

54.00 hrs lecture  
Units: 3.00

Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU & UC

Study the diversity of styles of verbal and nonverbal communication in different cultures. Emphasis on communicating effectively across cultures. (GR)

**SPCH-106 Critical Thinking/Argumentation and Debate**

54.00 hrs lecture, 18.00 hrs lab

Units: 3.00

Advisory: ENGL-101A or SPCH-101 with a grade of C or better  
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. (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 &amp; UC

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 &amp; UC

Examine the influence of gender and culture on communication in personal relationships, organizations, mass media and society. (GR)

**SPCH-110A1 Forensics Workshop**

9.00 hrs lecture, 27.00 hrs lab

Units: 1.00

Accepted For Credit: CSU

Participate in or attend public speeches or performances in order to encourage community involvement. Repeatable = 3 times (GR)

**SPCH-110A2 Forensics Workshop**

18.00 hrs lecture, 54.00 hrs lab

Units: 2.00

Accepted For Credit: CSU

Participate in or attend public speeches or performances in order to encourage community involvement. Repeatable = 3 times (GR)

**SPCH-110A3 Forensics Workshop**

27.00 hrs lecture, 81.00 hrs lab

Units: 3.00

Accepted For Credit: CSU

Participate in platform forensic speech activities including: informative speaking, persuasive speaking, impromptu, extemporaneous, speech to entertain, or communication analysis. Repeatable = 3 times (GC)

**SPCH-112A1 Argumentation and Debate Workshop**

9.00 hrs lecture, 27.00 hrs lab

Units: 1.00

Accepted For Credit: CSU

Participate in or attend public meetings or debates in order to encourage critical thinking and community involvement. Repeatable = 3 times (GR)

**SPCH-112A2 Argumentation and Debate Workshop**

18.00 hrs lecture, 54.00 hrs lab

Units: 2.00

Accepted For Credit: CSU

Participate in or attend public meetings or debates in order to encourage critical thinking and community involvement. Repeatable = 3 times (GR)

**SPCH-112A3 Argumentation and Debate Workshop**

27.00 hrs lecture, 81.00 hrs lab

Units: 3.00

Accepted For Credit: CSU

Participate in argumentation and debate; research significant contemporary problems; analyze issues, evidence, and logic; and present researched arguments. Repeatable = 3 times (GR)

**SPCH-114A1 Oral Interpretation Workshop**

9.00 hrs lecture, 27.00 hrs lab

Units: 1.00

Accepted For Credit: CSU

Participate in or attend public performances of all genres of literature with an emphasis on the analysis and interpretation of the material. Repeatable = 3 times (GC)

**SPCH-114A2 Oral Interpretation Workshop**

18.00 hrs lecture, 54.00 hrs lab

Units: 2.00

Accepted For Credit: CSU

Participate in or attend public performances of all genres of literature with an emphasis on the analysis and interpretation of the material. Repeatable = 3 times (GR)

**SPCH-114A3 Oral Interpretation Workshop**

27.00 hrs lecture, 81.00 hrs lab

Units: 3.00

Accepted For Credit: CSU

Participate in the oral interpretation of literature (poetry, prose, or drama) with an emphasis on the analysis and interpretation of the literature. Repeatable = 3 times (GR)

**SPCH-115 Career Communication**

54.00 hrs lecture

Units: 3.00

Cross-referenced Course: BA-115

Advisory: Eligibility for ENGL-101A

Accepted For Credit: CSU

Develop vital communication skills for global and diverse professional environments including presentational skills, interviewing, meeting management, small group communication, and leadership skills. (GR)

**SPCH-122 Family Communication**

54.00 hrs lecture

Units: 3.00

Accepted For Credit: CSU &amp; UC

Explore family communication processes, roles, decision-making techniques, and conflict management in traditional and nontraditional families. (GR)

**SPCH-130 Oral Interpretation of Literature**

54.00 hrs lecture

Units: 3.00

Cross-referenced Course: TD-130

Advisory: ENGL-101A

Accepted For Credit: CSU &amp; UC

Appreciate literature through oral performance and written literary analysis of poetry, prose, and drama. Students will analyze, interpret and communicate literature. (GC)

**SPCH-132 Voice and Diction**

54.00 hrs lecture

Units: 3.00

Cross-referenced Course: TD-132

Advisory: Eligible for ENGL-151B and ENGL-163

Accepted For Credit: CSU &amp; 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-150 Basic English Pronunciation Accent Reduction**

36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00

Cross-referenced Course: ESL-150

Advisory: Concurrent enrollment in ESL-181LS

Practice in pronunciation in idiomatic expressions, phraseology, and rhythmic inflections. Emphasis on individual needs in achieving effective oral communication. Not applicable to the associate degree. (GC)

**SPCH-151 Introduction to Speech Communication Skills**

54.00 hrs lecture

Units: 3.00

Cross-referenced Course: ESL-151

Prerequisite: SPCH-150 or ESL-150

Practice for non-native speakers in presentation skills for both classroom and job settings. Not applicable to the associate degree. (GC)

**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. Repeatable = 3 times to a maximum of 6 units for SPCH-190A-C. (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. Repeatable = 2 times to a maximum of 6 units for SPCH-190A-C. (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. Repeatable = to a maximum of 6 units for SPCH-190A-C. (GC)

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## TAGALOG

Division: Humanities, Social Sciences, and Mathematics

**TAG-181A Conversational Tagalog**

54.00 hrs lecture

Units: 3.00

Advisory: Eligible for ENGL-151B and ENGL-163

Accepted For Credit: CSU

This course is designed to provide basic conversational skills in the Filipino language. Emphasis is placed on the basic usage, idioms, grammar, and structure of the Filipino language, as well as an introduction to Filipino culture and history. (GR)

**TAG-181B Conversational Tagalog**

54.00 hrs lecture

Units: 3.00

Prerequisite: TAG-181A

Accepted For Credit: CSU

This course is a continuation of Tagalog 181A with an emphasis on the structure of the Filipino language, building vocabulary and an increased understanding of the Filipino culture. (GC)

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## THEATRE AND DANCE

Division: Fine Arts, Business, and Communication Studies

**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. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (GC)

**TD-101 Introduction to World Theatre**

54.00 hrs lecture

Units: 3.00

Corequisite: TD-101L

Advisory: Eligible for ENGL-151B and ENGL-163

Accepted For Credit: CSU & UC

This course covers the history of dramatic literature from the Golden Age through 20th Century. Students will focus on the style of writing, performance, and theatrical conventions of each period and how they relate to the society. Students will read plays, view productions, participate in guest lecture/demonstrations, and attend live performances. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. (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. Repeatable = 2 times (GC)

**TD-106 History of Television Broadcasting**

54.00 hrs lecture

Units: 3.00

Cross-referenced Course: BRDC-179

Advisory: ENGL-151 and ENGL-163

Accepted For Credit: CSU

This course presents a historical overview of the emergence of television as a major cultural phenomenon in the U.S. The course will look at television's visionaries such as Zworin, Baird, and Farnsworth. It will also cover the rise of the networks and the giants of the Golden Age, including Lucille Ball, Sid Caesar, and Ed Sullivan. Repeatable = 1 time (GC)

- TD-107 History of Film**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: HIST-107  
Advisory: Eligible for ENGL-151B and ENGL-163  
Accepted For Credit: CSU & UC  
This class examines the impact of film on our lives and history. Students will review films, discuss, and analyze techniques used. (GR)
- TD-109 Theatre for Today**  
54.00 hrs lecture  
Units: 3.00  
Advisory: 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 and how it relates to film, video, festivals, and the entertainment industry. This course examines all aspects of production: designing, producing, the audience experience, and employment opportunities. Students will learn through reading and research, viewing videos, attending live and recorded events, and student-generated reports. (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. Repeatable = 1 time (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; i.e. Uta Hagen, Stella Adler, Michael Shurtleff, Lee Strasberg, and others. Students will apply these principles to their scene work, improvisation, and workshop exercises and evaluate their progress and that of their classmates. Repeatable = 1 time (GR)
- TD-112 Acting Styles – Classical**  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Prerequisite: TD-110 or equivalent  
Accepted For Credit: CSU & UC  
This course is a study of dramatic literature for the purpose of performance including major study of Shakespeare's 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 comedies, histories, and tragedies. Nine plays will be studied and several will be viewed both live and on video. Repeatable = 1 time (GR)
- TD-113 Screenwriting Basics**  
54.00 hrs lecture  
Units: 3.00  
Accepted For Credit: CSU  
This course will examine the basics of writing for film, examine the mechanics of both short format and feature length movies, and examine the craft of outlining, treatments, character biographies, dialogue, and pitching. (GC)
- TD-114 Acting for the Camera**  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Accepted For Credit: CSU & UC  
This course will include analysis and practical study of techniques and skills necessary for and peculiar to performing in front of the camera. Emphasis is placed on acting, but includes daily work in practical cinematography, directing, script supervision, and crewing for all styles of film. Repeatable = 1 time (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, setting, and costume. They will create through pantomime as well as vocal techniques. There will be public performances on tour and in conjunction with the student-directed one acts. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. Repeatable = 1 time (GR)
- TD-116 Acting Laboratory**  
54.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  
This laboratory class applies the knowledge and techniques gained in the production and technique classes. (GC)
- TD-117A Audition/Portfolio Preparation**  
18.00 hrs lecture, 18.00 hrs lab  
Units: 0.50  
Accepted For Credit: CSU  
This course is designed to help prepare students for a professional audition/interview by developing performance selections, portfolio layouts, and presentation techniques for regional, summer stock, film/TV, and festival venues. Repeatable = 3 times (CR)
- TD-117A1 Audition/Portfolio Preparation**  
18.00 hrs lecture, 27.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU  
This course is designed to help prepare students for a professional audition/interview by developing performance selections, portfolio layouts, and presentation techniques for regional, summer stock, film/TV, and festival venues. Repeatable = 3 times (CR)
- TD-117A2 Audition/Portfolio Preparation**  
27.00 hrs lecture, 27.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU  
This course is designed to help prepare students for a professional audition/interview by developing performance selections, portfolio layouts, and presentation techniques for regional, summer stock, film/TV, and festival venues. Repeatable = 3 times (CR)
- TD-117D Dance Performance Preparation**  
54.00 hrs lab  
Units: 1.00  
This course is designed to prepare the student for professional level dance performance techniques. The student will learn dance styles and techniques, learn performance techniques, and then perform on stage in a professional level venue with a live audience. Repeatable = 3 times (GC)

- TD-117T Theatre Technology Lab**  
27.00 hrs lab  
Units: 0.50  
This class provides hands on instruction in theatre technology, including lights, sound, and set construction. Repeatable = 3 times (GC)
- 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. Repeatable = 2 times (GC)
- TD-119 Directing for the Stage**  
54.00 hrs lecture, 54.00 hrs lab  
Units: 4.00  
Advisory: TD-110, TD-114  
Accepted For Credit: CSU & UC  
This course is a study of the background and techniques of the director in theatre with an emphasis on practical experience in directing through class projects and public performances. (GR)
- TD-120A3 Student Repertory Theatre**  
162.00 hrs lab  
Units: 3.00  
Prerequisite: Auditions (for actors only)  
Advisory: TD-110  
Accepted For Credit: CSU & UC  
This class is a combination of professional and educational theatre. Students will participate in acting and/or technical roles in a repertory company. There will be up to six productions, one of which may be a children's/family program. Members of the company will be expected to participate in all phases of production. Repeatable = 3 times to a maximum of 9 units (GR)
- TD-120A4 Student Repertory Theatre**  
216.00 hrs lab  
Units: 4.00  
Prerequisite: Auditions (for actors only)  
Advisory: TD-110  
Accepted For Credit: CSU & UC  
This class is a combination of professional and educational theatre. Students will participate in acting and/or technical roles in a repertory company. There will be up to six productions, one of which may be a children's/family program. Members of the company will be expected to participate in all phases of production. Repeatable = 3 times to a maximum of 9 units (GR)
- TD-120B3 Student Repertory Theatre**  
162.00 hrs lab  
Units: 3.00  
Prerequisite: Auditions (for actors only)  
Advisory: TD-120A3 or TD-120A4  
Accepted For Credit: CSU & UC  
This class is a combination of professional and educational theatre. Students will participate in acting and/or technical roles in a repertory company. There will be up to six productions, one of which may be a children's/family program. 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. Repeatable = 3 times to a maximum of 9 units (GR)
- TD-120B4 Student Repertory Theatre**  
216.00 hrs lab  
Units: 4.00  
Prerequisite: Auditions (for actors only)  
Advisory: TD-120A3 or TD-120A4  
Accepted For Credit: CSU & UC  
This class is a combination of professional and educational theatre. Students will participate in acting and/or technical roles in a repertory company. There will be up to six productions, one of which may be a children's/family program. 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. Repeatable = 3 units to a maximum of 9 units (GR)
- TD-121A Dance Rehearsal and Performance**  
108.00 hrs lab  
Units: 2.00  
Advisory: Co-enrollment in a dance technique class  
Accepted For Credit: CSU & UC  
This class is an educational setting for dance performance. The students 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. Repeatable = 3 times (GC)
- TD-121B Dance Rehearsal and Performance**  
162.00 hrs lab  
Units: 3.00  
Advisory: It is highly recommended that each student is co-enrolled in a dance technique class  
Accepted For Credit: CSU & UC  
This class is an educational setting for dance performance. The student will learn the ins and outs of a theatrical dance performance. Each student, regardless of skill level, will be given the opportunity to perform on stage in a professional setting with the security of an educational environment. Repeatable = 2 times (GC)
- TD-121C Dance Rehearsal and Performance**  
216.00 hrs lab  
Units: 4.00  
Advisory: It is highly recommended that each student is co-enrolled in a dance technique class  
Accepted For Credit: CSU & UC  
This class is an educational setting for dance performance. The student will learn the ins and outs of a theatrical dance performance. Each student, regardless of skill level, will be given the opportunity to perform on stage in a professional setting with the security of an educational environment. Repeatable = 2 times (GC)
- TD-121L Dance Rehearsal and Performance Lab**  
36.00 hrs lab  
Units: 0.00  
This class is an educational setting for dance performance. The student will learn the ins and outs of a theatrical dance performance. Each student, regardless of skill level, will be given the opportunity to perform on stage in a professional setting with the security of an educational environment. This class is especially geared toward the first time performer. Repeatable = 3 times (NG)
- TD-122 Rehearsal and Performance**  
108.00 hrs lab  
Units: 2.00  
Prerequisite: Auditions  
Advisory: Eligible for ENGL-151B and ENGL-163; TD-110  
Accepted For Credit: CSU & UC  
This class is for students performing in a major college production. Enrollment is for the duration of the production. Repeatable = 3 times (GR)

- TD-123 Rehearsal and Performance**  
162.00 hrs lab  
Units: 3.00  
Prerequisite: Auditions  
Advisory: Eligible for ENGL-151B and ENGL-163; TD-110  
Accepted For Credit: CSU & UC  
This class is for students performing in a major college production. Enrollment is for the duration of the production. Repeatable = 3 times (GR)
- TD-124 Rehearsal and Performance**  
216.00 hrs lab  
Units: 4.00  
Prerequisite: Auditions  
Advisory: Eligible for ENGL-151B and ENGL-163; TD-110  
Accepted For Credit: CSU & UC  
This class is for students performing in a major college production. Enrollment is for the duration of the production. Repeatable = 3 times (GR)
- TD-125 Summerfest – Principals**  
378.00 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. Repeatable = 3 times (GC)
- TD-126 Summerfest – Featured Parts**  
327.00 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 feature role. Specific instruction will be given in acting, movement, speech, singing, and accents as they relate to the style and history of the period. Repeatable = 3 times (GC)
- TD-127 Summerfest – Chorus and Instrument Members**  
270.00 hrs lab  
Units: 5.00  
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 as a chorus or orchestra member. Specific instruction will be given in acting, movement, speech, music, and singing as they relate to the style and history of the period. Repeatable = 3 times (GC)
- TD-129 Summerfest – Technicians**  
378.00 hrs lab  
Units: 7.00  
Advisory: TD-150  
Accepted For Credit: CSU & UC  
This course is normally taught as an eight to ten-week summer session course. It is designed to familiarize and teach students the various technical aspects, such as set construction, lighting, costuming, makeup, publicity, and house management needed for the preparation and production of a major theatrical Summerfest production. Repeatable = 3 times (GC)
- TD-130 Oral Interpretation of Literature**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: SPCH-130  
Advisory: Eligibility for ENGL-101A  
Accepted For Credit: CSU & UC  
Appreciate literature through oral performance and written literary analysis of poetry, prose, and drama. Students will analyze, interpret, and communicate literature. (GR)
- TD-132 Voice and Diction**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: SPCH-132  
Advisory: Eligible for ENGL-151B and ENGL-163  
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-138A Introduction to Chinese Dance**  
54.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  
The students will be introduced to basic techniques and body rhythm of Chinese classical dance along with basic training in some Chinese folk dances. Repeatable = 3 times (GC)
- TD-138B Intermediate Chinese Dance**  
54.00 hrs lab  
Units: 1.00  
Advisory: This is an intermediate Chinese dance class, so the student should have a basic knowledge of Chinese dance prior to enrolling in the class  
Accepted For Credit: CSU & UC  
The students will continue the training in rudiments of Chinese classical and folk dance. The students will further develop basic techniques and body rhythm of Chinese classical dance and progress further into Chinese folk dance. Repeatable = 3 times (GC)
- TD-140 Dance for Musical Theatre**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Advisory: TD-150  
Accepted For Credit: CSU & UC  
This class explores the various styles of dance found in musical theatre. Movement styles from different periods are also explored beginning with the 1920's and continuing through current dance trends of Broadway and MTV. Repeatable = 3 times (GC)
- TD-141A Introduction to Ballet**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This class introduces the rudiments of classical ballet to the beginning dance student. Students will develop the strength and coordination to perform the technical skills of basic ballet through barre and center work and by learning simple movement combinations. Ballet terminology will be covered. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. Repeatable = 3 times (GC)

- TD-141B Intermediate Ballet**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
This class continues the training in the rudiments of classical ballet for the beginning-intermediate student. The students will further develop the technical skills to perform intermediate-level steps and combinations of movement. 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. Repeatable = 3 times (GC)
- TD-142A Introduction to Jazz Dance**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Advisory: Medical check within the 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. Repeatable = 3 times (GC)
- TD-142B Intermediate Jazz Dance**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Advisory: Medical check within the last year  
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  
Accepted For Credit: CSU & UC  
Students will complete advanced skills inherent in jazz dance. This advance level technical jazz dance class will deal with leaps, turns, and technique as well as dance composition. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. Repeatable = 3 times (GC)
- TD-143A Introduction to Tap**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
Students will study basic tap dance techniques and elementary tap dances. This class provides students with the opportunity to develop coordination, rhythm, and 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. Repeatable = 3 times (GC)
- TD-143B Intermediate Tap**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
Students will develop intricate skills in tap dancing by studying intermediate-level movements and combinations with some provision for student composition of dance. Performance skills will be included. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. Repeatable = 3 times (GC)
- TD-143C Advanced Tap Dance**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU & UC  
Students will continue to develop intricate skills in tap dancing by studying advanced rhythm patterns, movements, and combinations with some provision for student composition of dance. Performance skills will be included. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. Repeatable = 3 times (GC)
- TD-144A Introduction to Modern Dance**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
Students will learn basic skills of modern dance with emphasis on body alignment, strength, coordination, rhythmic movement, and creative expression. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. Repeatable = 3 times (GC)
- TD-144B Intermediate Modern Dance**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Advisory: Medical check within the last year  
Accepted For Credit: CSU & UC  
Students will continue to prepare their bodies as an instrument for dance, progressing to longer, faster-paced, more diversified, and more difficult movement combinations. Coursework will include some creative dance experiences, abstract dance, and musical mime. Requires attendance at selected events offered by Ohlone College at the Gary Soren Smith Center for the Fine and Performing Arts. Repeatable = 3 times (GC)
- TD-145A2 Introduction to Ballroom Dance**  
36.00 hrs lab  
Units: 0.50  
Advisory: TD-100  
Accepted For Credit: CSU & UC  
Students will learn basic steps and skills of ballroom dance with emphasis on body alignment, coordination, rhythmic movement, and creative expression. Repeatable = 3 times (GC)
- TD-145A3 Introduction to Ballroom Dance**  
54.00 hrs lab  
Units: 1.00  
Advisory: TD-100  
Accepted For Credit: CSU & UC  
Students will learn basic steps and skills of ballroom dance with emphasis on body alignment, coordination, rhythmic movement, and creative expression. Repeatable = 3 times (GC)
- TD-145A4 Introduction to Ballroom Dance**  
108.00 hrs lab  
Units: 2.00  
Advisory: TD-100  
Accepted For Credit: CSU & UC  
This course is a study of the combined elements of contemporary social dance, focusing on partnering, body department, rhythm, styling and co-ordination. Repeatable = 3 times (GC)
- TD-145B2 Intermediate Ballroom Dance**  
36.00 hrs lab  
Units: 0.50  
Advisory: TD-100; TD-145A2, TD-145A3, TD-145A4, or equivalent  
Accepted For Credit: CSU & UC  
This course is an in-depth study of contemporary ballroom dance focusing on intricate partnering, balance, rhythm, styling, and step combinations and patterns. Repeatable = 3 times (GC)

**TD-145B3 Intermediate Ballroom Dance**

54.00 hrs lab  
 Units: 1.00  
 Advisory: TD-100; TD-145A2, TD-145A3, TD-145A4, or equivalent  
 Accepted For Credit: CSU & UC  
 This course is an in-depth study of contemporary ballroom dance focusing on intricate partnering, balance, rhythm, styling, and step combinations and patterns. Repeatable = 3 times (GC)

**TD-145B4 Intermediate Ballroom Dance**

108.00 hrs lab  
 Units: 2.00  
 Advisory: TD-100; TD-145A2, TD-145A3, TD-145A4, or equivalent  
 Accepted For Credit: CSU & UC  
 This course is an in-depth study of contemporary ballroom dance focusing on intricate partnering, balance, rhythm, styling, and step combinations and patterns. Repeatable = 3 times (GC)

**TD-146L Open Dance Lab**

20.00 hrs lab  
 Units: 0.00  
 Corequisite: The student must currently be enrolled in a dance class on campus  
 The student will have supervised and tutored studio time to perfect skills and techniques learned in the dance class. Repeatable = 3 times (NG)

**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. Repeatable = 3 times (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. Repeatable = 3 times (GR)

**TD-148A2 Introduction to Hip Hop**

36.00 hrs lab  
 Units: 0.50  
 Advisory: Medical check within the 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. Repeatable = 3 times (GC)

**TD-148A3 Introduction to Hip Hop**

54.00 hrs lab  
 Units: 1.00  
 Advisory: Medical check within the 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. Repeatable = 3 times (GC)

**TD-148B2 Intermediate Hip Hop**

36.00 hrs lab  
 Units: 0.50  
 Prerequisite: Successful completion of TD-148A2 or A3  
 Advisory: Medical check within the last year  
 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. Repeatable = 3 times (GC)

**TD-148B3 Intermediate Hip Hop**

54.00 hrs lab  
 Units: 1.00  
 Prerequisite: Successful completion of TD-148A2 or 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. Repeatable = 3 times (GC)

**TD-149 Choreography for Production**

18.00 hrs lecture, 54.00 hrs lab  
 Units: 2.00  
 Corequisite: TD-124  
 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. Repeatable = 1 time (GC)

**TD-150 Technical Theatre**

36.00 hrs lecture, 54.00 hrs lab  
 Units: 3.00  
 Accepted For Credit: CSU & UC  
 This course introduces the theory and practice of technical theatre production. Emphasis is placed on theatre safety, scenery construction techniques and materials, and backstage procedures. Students receive hands-on training in the scene shop and as members of the stage crew of a department production. Repeatable = 3 times (GR)

**TD-152 Introduction to Lighting**

36.00 hrs lecture, 54.00 hrs lab  
 Units: 3.00  
 Advisory: TD-150  
 Accepted For Credit: CSU & UC  
 This course introduces the basic concepts, technology, and safe practices of electricity and lighting for live events. Lectures will focus on theory and practice, while lab will provide opportunities to use equipment in "real life" situations. Repeatable = 3 times (GC)

**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. Repeatable = 3 times (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. Repeatable = 3 times (GR)
- TD-155A Costume Construction I**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU & UC  
This course provides basic costume construction techniques to develop a student's skill in the use of fabrics, methods, and simple patterns in a theatrical context. (GC)
- TD-155B Costume Construction II**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Prerequisite: TD-155A or equivalent  
Accepted For Credit: CSU & UC  
This course provides costume construction techniques to advance students' skill in the use of special fabrics, methods, and more complex patterns. (GC)
- TD-156 Theatrical Costuming**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU & UC  
This course identifies and provides experience using materials, tools, and techniques used in building costumes. The history of costumes, use of sewing machines, design, and related topics are covered. Repeatable = 3 times (GR)
- TD-159 Theatre Management**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: Eligible for ENGL-151B  
Accepted For Credit: CSU  
This course is an introduction to the theories and practices of dance, theatre, and music performance management. Students will study advertising, public relations, box office operations, and event staffing. There is practical lab application of studies in conjunction with concurrent productions (student and professional) and/or outside projects in film and TV. (GR)
- TD-160A Production Lab**  
27.00 hrs lab  
Units: 0.50  
Accepted For Credit: CSU & UC  
This lab provides hands-on instruction and practice in technical production for theatre, dance, and television. Repeatable = 3 times (GC)
- TD-160A1 Production Lab**  
54.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU & UC  
This lab provides hands-on instruction and practice in technical production for theatre, dance, and television. Repeatable = 3 times (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. Repeatable = 3 times (GC)
- TD-160A3 Production Lab**  
162.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU & UC  
This lab provides hands-on instruction and practice in technical production for theatre, dance, and television. Repeatable = 3 times (GC)
- TD-160L Production Lab**  
144.00 hrs lab  
Units: 0.00  
This class provides hands-on instruction in technical production for performers. Repeatable = 3 times (NG)
- 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. Repeatable = 3 times (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. Repeatable = 3 times (GR)
- TD-163 Stagecraft Lab (Theatre, Television, Dance)**  
162.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU & UC  
This course involves participation in all the technical aspects of preparing a scheduled college production (stage, television, and dance), such as set construction, lighting, costuming, makeup, publicity, and house management. Repeatable = 3 times (GR)
- TD-164 Stagecraft Lab (Theatre, Television, Dance)**  
136.00 hrs lab  
Units: 4.00  
Accepted For Credit: CSU & UC  
This course involves participation in all the technical aspects of preparing a scheduled college production (stage, television, and dance), such as set construction, lighting, costuming, makeup, publicity, and house management. Repeatable = 3 times (GR)
- TD-169 Performance Practicum**  
108.00 hrs lab  
Units: 2.00  
This class introduces the students to rehearsal and performance techniques specific to community and educational theatre. Repeatable = 3 times (GR)
- TD-170 Survey of Entertainment Design**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU  
This course explores trends in entertainment design and technology through lectures and fieldtrips. Areas covered will include live performance, film and television, themed entertainment, retail and corporate events. The purpose of this course is to provide students with a broad overview of the field of entertainment design and technology with emphasis on current and future employment opportunities and the skills needed for them. (GC)

- TD-171 3D Entertainment Design for Lighting**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: ID-155 or equivalent; 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. Repeatable = 1 time (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. Repeatable = 3 times (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. Repeatable = 3 times (GC)
- TD-174 Intermediate Moving Lights**  
18.00 hrs lecture, 54.00 hrs lab  
Units: 2.00  
Prerequisite: TD-173  
Advisory: TD-172  
Accepted For Credit: CSU  
This course builds upon the work done in TD-173. Students will begin designing with, and programming, intelligent lighting systems for different types of events (concerts, corporate parties, trade shows). More sophisticated work will be done in trouble shooting, servicing, and rigging, as well. Repeatable = 3 times (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. Repeatable = 3 times (GC)
- TD-176 Digital Sound Editing for Stage and TV**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: TD-175, MUS-113  
Accepted For Credit: CSU  
This project-based course provides advanced, hands-on instruction in industry-standard digital sound editing and MIDI systems, including Peak, ProTools, and CueBase. The course is intended for students pursuing careers in audio/technology in the entertainment industry. Repeatable = 2 times (GC)
- TD-178 Fundamentals of Rigging**  
36.00 hrs lecture, 36.00 hrs lab  
Units: 2.00  
Advisory: TD-150; ability to climb ladders and lift 50 pounds  
This course offers an introduction to the rigging systems and equipment commonly used in the entertainment industry. Through a combination of classroom and lab, students will learn the fundamental concepts of safe rigging including load calculation and placement, safety devices, and fall protection. Students should be in good physical condition and must be able to climb ladders and lift fifty pounds. Repeatable = 1 time (GC)
- TD-179 Introduction to Stage Management**  
36.00 hrs lecture, 54.00 hrs lab  
Units: 3.00  
Advisory: ID-155 or equivalent, 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  
Cross-referenced Course: BRDC-180  
Accepted For Credit: CSU  
In this course students will participate in the production of episodic television programs. The positions for students include both talent and technical operations. Repeatable = 3 times (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. Repeatable = 2 times (GR)
- TD-195A1 Work Experience Education – Vocational**  
75.00 hrs lab  
Units: 1.00  
Accepted For Credit: CSU  
Work experience education for students employed in jobs directly related to a major. Units received are based on hours worked. (GC)
- TD-195A2 Work Experience Education – Vocational**  
150.00 hrs lab  
Units: 2.00  
Accepted For Credit: CSU  
Work experience education for students employed in jobs directly related to a major. Units received are based on hours worked. (GC)
- TD-195A3 Work Experience Education – Vocational**  
225.00 hrs lab  
Units: 3.00  
Accepted For Credit: CSU  
Work experience education for students employed in jobs directly related to a major. Units received are based on hours worked. (GC)
- TD-195A4 Work Experience Education – Vocational**  
300.00 hrs lab  
Units: 4.00  
Accepted For Credit: CSU  
Work experience education for students employed in jobs directly related to a major. Units received are based on hours worked. (GC)

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## WOMEN'S STUDIES

Division: Humanities, Social Sciences, and Mathematics

- WS-101 Introduction to Gender and Women's Studies**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU  
This course will focus on the questions and concepts in gender and women's studies, the development of U.S. feminism and feminist theory, and the globalization of feminism and feminist concerns. Central to this course will be the ways in which place, race, ethnicity, sexuality, gender orientation, class, and age shape women's experiences and the various socio-political meanings of gender. We will also examine the ways in which women have resisted inequality and effected social and political change. This course will be interdisciplinary in its approach, meaning that we will read feminist essays from a wide range of disciplines, including cultural studies, economics, history, philosophy, political theory, psychology, and sociology. In addition, we will conduct several small sociological experiments and observations, and we will watch excerpts of videos and films. (GC)
- WS-108 Gender Communication**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: SPCH-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)
- WS-115 Women in Literature**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: ENGL-115  
Advisory: Eligibility for ENGL-101A  
Accepted For Credit: CSU & UC  
This course is a study of selected fiction, poetry, drama, and essays of British and American women writers past and present. (GC)
- WS-120 Women of the Western World**  
54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: IS-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)
- WS-132 Introduction to US Muslim Women and Islam**  
54.00 hrs lecture  
Units: 3.00  
Advisory: Eligible for ENGL-101A  
Accepted For Credit: CSU  
This course is an in depth study of American Muslim women: their roots, beliefs, and practices; social, spiritual, and economic status; discriminatory treatment in education and employment; political involvement and socialization; and a comparative study of Muslim women to pre-Islamic, ancient, and Western women. (GR)

**WS-150 Women's Health Issues**

54.00 hrs lecture  
Units: 3.00  
Cross-referenced Course: HLTH-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 and battery, aging, occupational health, and cultural diversity and the affects on women in American culture. (GC)

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## WORK EXPERIENCE EDUCATION

Division: Counseling

**WEX-101 Introduction to Work Experience**

18.00 hrs lecture  
Units: 0.00

Through a set of learning objectives established by the student, supervisor and instructor, students will 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. Students in a job related to their major field of study will also improve job skills and analyze career opportunities and requirements. Repeatable = 3 times (NG)

**WEX-185A1 Work Experience Education**

75.00 hrs lab  
Units: 1.00

Corequisite: WEX-101; 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.  
Accepted For Credit: CSU

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 Work Experience Education**

150.00 hrs lab

Units: 2.00

Corequisite: WEX-101; 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.

Accepted For Credit: CSU

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 Work Experience Education**

225.00 hrs lab

Units: 3.00

Corequisite: WEX-101; 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.

Accepted For Credit: CSU

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

Through a set of learning objectives established by the student, supervisor and instructor, each student will work with and learn from professionals in his/her field of study or occupational objective. These experiences will enable students to improve job skills and analyze career opportunities and requirements. Repeatable = 3 times for a maximum of 6 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 four WEX-195 units per semester for a total of 16 WEX units; employment (paid or volunteer) must be in a job related to the students' major or occupational objective. 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 eight semester units per semester. General Limitations: Students may not enroll in WEX-185 and WEX-195 concurrently.

Accepted For Credit: CSU

Through a set of learning objectives established by the student, supervisor and instructor, each student will work with and learn from professionals in his/her field of study or occupational objective. These experiences will enable students to improve job skills and analyze career opportunities and requirements. 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 four WEX-195 units per semester for a total of 16 WEX units; employment (paid or volunteer) must be in a job related to the students' major or occupational objective. 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 eight semester units per semester. General Limitations: Students may not enroll in WEX-185 and WEX-195 concurrently.

Accepted For Credit: CSU

Through a set of learning objectives established by the student, supervisor and instructor, each student will work with and learn from professionals in his/her field of study or occupational objective. These experiences will enable students to improve job skills and analyze career opportunities and requirements. 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

Accepted For Credit: CSU

Through a set of learning objectives established by the student, supervisor and instructor, each student will work with and learn from professionals in his/her field of study or occupational objective. These experiences will enable students to improve job skills and analyze career opportunities and requirements.



Photo courtesy of Maru Grant.