2013 ▼ 2014

CERRO COSO
COMMUNITY COLLEGE
CATALOG

40 ANNIVERSARY
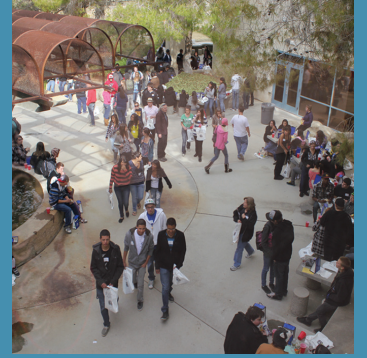
CERRO COSO COMMUNITY COLLEGE
educate - innovate - inspire - serve
1973 - 2013

2013-2014 CATALOG ADDENDUM

CERRO COSO
COMMUNITY COLLEGE

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Ridgecrest, CA 93555

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*Cerro Coso Community College is a member
of the Kern Community College District*

PROGRAMS OF STUDY

NEW PROGRAMS

Medical Assisting Associate in Science Degree

Medical Assisting Associate of Science Degree (60 units total, 32 units in the major) is designed around the Model Curriculum established by the California Community Colleges Chancellor's Office for preparation for the State Exam for Medical Assistants (CCBMA). This program provides the students with the opportunity to develop the necessary administrative and clinical skills needed to be an effective medical assistant.

Courses required for the Associate degree major at CCCC may not be the same as those required for the major at a four-year school. If you plan to transfer, consult a counselor and www.assist.org to identify the courses needed for the major at your transfer school and to develop a plan that will best meet your goals.

You must complete a minimum of 60 units, including the courses listed in the major and general education requirements, with an overall GPA of 2.0 or better, and a grade of "A," "B," "C," or "P" in all courses for the major. A minimum of 12 units must be completed at Cerro Coso Community College.

Program Learning Outcomes

Upon successful completion of the program, the student will be able to

- Research online and traditional reference materials effectively to stay informed about emerging trends and breakthroughs in healthcare issues related to the medical assistant's role in healthcare.

- Perform Medical Assisting procedures competently, such as OSHA standards, electronic technologies, and medical records.

- Achieve entry level Medical Assisting competencies, such as verbal communication, medical and surgical aseptic, basic banking procedures, medical insurance, and physical assessments which satisfy industry needs.

- Identify State of California regulations that govern the healthcare industry for Medical Assistants.

- Exhibit depth and breadth of knowledge of

concepts and principles of medical assisting.

Courses

Note: Some courses within the major have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the Department Chair. For the Prerequisite Challenge to be considered, you must submit documentation and verification to substantiate the basis for the challenge. Please see a counselor for more information about the Prerequisite Challenge process.

Complete all of the following courses:

Medical Assisting Core Courses

CSCI C070	Computer Literacy	1 Units
HCRS C130	Communication in Healthcare	2
HCRS C131	Medical Law and Ethics for Medical Assistants	1.5
HCRS C132	Electronic Health Record	1.5
HCRS C150	Med. Terminology for Health	3

Administrative Medical Assisting

CSCI C121	Beginning Word	1
CSCI C123	Beginning Excel	1
HCRS C133	Medical Office Procedures	3
HCRS C134	Medical Insurance and Billing	3
HCRS C135	Basic ICD and CPT Coding	2
HCRS C142	Medical Assistant Administrative Externship	1.5

Clinical Medical Assisting

HCRS C136	Clinical Medical Assisting I	3
HCRS C137	Clinical Medical Assisting II	3
HCRS C138	Medication Administration for Medical Assisting	2
HCRS C139	Laboratory Procedures	2
HCRS C143	Clinical Medical Assistant Externship	1.5

Complete one of the following general education patterns:

OPTION A	Cerro Coso Local General Education Pattern
OPTION B	CSU General Education Breadth
OPTION C	IGETC—Intersegmental General Education Transfer Curriculum

Administrative Medical Assisting Certificate of Achievement

Administrative Medical Assisting Certificate of Achievement (20.5 units) is designed around the Model Curriculum established by the California Community Colleges Chancellor's Office for preparation for the State Exam for Medical Assistants (CCBMA). This program provides the

students with the opportunity to develop the necessary administrative skills needed to be an effective medical assistant. This Certificate focuses on the physician's front office including receptionist, office management, billing, and coding.

Each course for this certificate must be completed with a grade of "C" or better, or with a grade of "P" if the course is taken on a pass/no pass basis.

Program Learning Outcomes

Upon successful completion of the program, the student will be able to

- Research online and traditional reference materials effectively to stay informed about emerging trends and breakthroughs in healthcare issues related to the medical assistant's administrative role.

- Perform Administrative Medical Assisting procedures competently, such as OSHA standards, electronic technologies, and medical records.

- Achieve entry level Administrative Medical Assisting competencies, such as verbal communication, basic banking procedures, and medical insurance which satisfy industry needs.

- Identify State of California regulations that govern the healthcare industry for Medical Assistants.

Courses

Note: Some courses within the major have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the Department Chair. For the Prerequisite Challenge to be considered, you must submit documentation and verification to substantiate the basis for the challenge. Please see a counselor for more information about the Prerequisite Challenge process.

Complete all of the following courses:

Medical Assisting Core Courses

CSCI C070	Computer Literacy	1 Units
HCRS C130	Communication in Healthcare	2
HCRS C131	Medical Law and Ethics for Medical Assistants	1.5
HCRS C132	Electronic Health Record	1.5
HCRS C150	Medical Terminology for Health	3

Administrative Medical Assisting

CSCI C121	Beginning Word	1
CSCI C123	Beginning Excel	1
HCRS C133	Medical Office Procedures	3
HCRS C134	Medical Insurance and Billing	3
HCRS C135	Basic ICD and CPT Coding	2
HCRS C142	Medical Assistant Administrative Externship	1.5

Clinical Medical Assisting Certificate of Achievement

The Clinical Medical Assisting Certificate of Achi8evement (20.5 units) is an integral multi-skilled member of the health care team, working under the supervision of the health care provider. The Clinical Medical Assisting has an interdependent role acting as an agent for the health care provider and a consumer advocate by providing professional and technical support in an empathetic and caring manner. This Certificate focuses on the physician's back office including patient assessment, physician's laboratory, and medication administration. It is designed around the Model Curriculum established by the California Community Colleges Chancellor's Office for preparation for the State Exam for Medical Assistants (CCBMA). This program provides the students with the opportunity to develop the necessary clinical skills needed to be an effective medical assistant.

Each course for this certificate must be completed with a grade of "C" or better, or with a grade of "P" if the course is taken on a pass/no pass basis.

Program Learning Outcomes

Upon successful completion of the program, the student will be able to

- Research online and traditional reference materials effectively to stay informed about emerging trends and breakthroughs in healthcare issues related to the medical assistant's clinical role.

- Perform Clinical Medical Assisting procedures competently, such as OSHA standards, electronic technologies, and medical records.

- Achieve entry level Clinical Medical Assisting competencies, such as verbal communication, medical and surgical aseptic technique, and physical assessments which satisfy industry needs.

- Identify State of California regulations that govern the healthcare industry for Medical Assistants.

Courses

Note: Some courses within the major have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the Department Chair. For the Prerequisite Challenge to be considered, you must submit documentation and verification to substantiate the basis for the challenge. Please see a counselor for more information about the Prerequisite Challenge process.

Complete all of the following courses:

Medical Assisting Core Courses

CSCI C070	Computer Literacy	1 Units
HCRS C130	Communication in Healthcare	2
HCRS C131	Medical Law and Ethics for Medical Assistants	1.5
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HCRS C138	Medication Administration for Medical Assisting	2
HCRS C139	Laboratory Procedures	2
HCRS C143	Clinical Medical Assistant Externship	1.5

Studio Arts Associate in Arts Degree for Transfer (AA-T)

The Associate in Arts Degree in Studio Arts for Transfer (60 units total, 24 units in major) prepares students for transfer to complete work for a baccalaureate degree in Arts, Studio Arts, Fine Arts, Art History, or Art Education. Upon successful completion of the program, students will know how to analyze and interpret the formal, technical, and expressive aspects of a work of art, whether as a viewer or creator. They will also demonstrate proficiency in basic art techniques. The program is appropriate for students going on to professional art school, as well as those completing their studies in fine arts, design fields (such as graphic and media arts, industrial and product design), art education, or art therapy. To complete the degree, students must fulfill both of the following requirements:

1. Completion of 60 semester units that are eligible for transfer to the California State University, including both of the following:

   a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.

   b. A minimum of 18 semester units in a major or area of emphasis, as determined by the Kern Community College District Board of Trustees.

2. Obtainment of a minimum grade point average of 2.0

Please note that our local Cerro Coso general education pattern MAY NOT be used to fulfill the requirements of this degree and that all required courses for the degree must be transferable to CSU.

Program Learning Outcomes

Upon successful completion of the program, the student will be able to

- Demonstrate knowledge of the arts through associated terminology, historical practices and contemporary developments.

- Identify the formal, technical and expressive aspects in visual artworks, using critical skills to describe, analyze, interpret and evaluate such works.

- Demonstrate proficiency in basic foundation level art techniques and practices.

- Use a wide range of materials and means of expression to communicate visual ideas, including traditional or digital studio practices.

Courses

Note: Some courses within the major have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the Department Chair. For the Prerequisite Challenge to be considered, you must submit documentation and verification to substantiate the basis for the challenge. Please see a counselor for more information about the Prerequisite Challenge process.

Complete all of the following courses:

ART C106	History of Western Art II	3 Units
ART C111	Two Dimensional Design	3
ART C115	3-Dimensional Design	3
ART C121	Drawing I	3

Select 3 units from the following courses:

ART C105	History of Western Art I	3
ART C101	Introduction to Art	3

Select 9 units from the following courses:

ART C131	Painting I	3
ART C141	Ceramics I	3
ART C151	Sculpture I	3
ART C165	Photography I	3
ART C221	Drawing II	3
ART C231	Painting II	3
ART C240	Ceramics II	3
ART C265	Photography II	3

Complete one of the following general education patterns:

OPTION B	CSU General Education Breadth
OPTION C	IGETC—Intersegmental General Education Transfer Curriculum

REVISED PROGRAMS AND CERTIFICATES

Web Professional Associate in Science Degree

(Previously listed as Web Design)

The Web Professional Associate of Science Degree (60 units total, 33 units in major) prepares students for employment or self-employment in the Web industry by emphasizing standards-based coding and scripting, creative problem solving, usability, accessibility, media production, e-commerce concepts, project management, and networking. Students obtain skills in Adobe Dreamweaver, Fireworks, Flash, Illustrator, and Photoshop, as well as open source products. The curriculum has the objective of developing technical and design skills, a combination of competencies that employers and clients value. Students develop realistic expectations about work conditions through individual and collaborative work-based projects and by learning in the same technological environment in which they will eventually work. The curriculum is also designed to equip students for Certified Internet Web Professional certifications, including the Web Foundations Associate Series, the Web Design Specialist, and the E-commerce Specialist.

This degree is NOT specifically designed for transfer. Courses required for the Associate degree major at Cerro Coso Community College may not be the same as those required for a major at a four-year school. If you do plan to transfer, consult a counselor and visit www.assist.org to identify the courses needed for the major at your transfer school and to develop a plan that will best meet your goals.

You must complete a minimum of 60 units, including the courses listed in the major and general education requirements, with an overall GPA of 2.0 or better, and a grade of "A," "B," "C," or "P" in all courses for the major. A minimum of 12 units must be completed at Cerro Coso Community College.

Program Learning Outcomes

Upon successful completion of the program, the student will be able to

- Identify concepts of Internet technology, networking, databases, and electronic communications.

- Demonstrate technical and creative mastery of the creation of Web media, such as graphics, motion graphics, and interactive media.

- Use valid markup, cascading style sheets, semantic encoding, accessibility compliance, and error-free scripting in the creation of Web content.

- Apply design principles to solve visual communication problems.

- Demonstrate lifelong learning skills in effective collaboration, leadership, written communication, management, and information search and retrieval.

Courses

Note: Some courses within the major have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the Department Chair. For the Prerequisite Challenge to be considered, you must submit documentation and verification to substantiate the basis for the challenge. Please see a counselor for more information about the Prerequisite Challenge process.

Complete all the following courses.

CSCI C101	Intro to Computer Info Systems	3 Units
CSCI C143	Network and Fundamentals of Networking	3
DMA C102	Digital Imaging	3
DMA C111	Fundamentals of Web Development	3
DMA C113	Accessibility and Usability	3
DMA C117	Web Design w/Dreamweaver	3
DMA C119	Advanced Web Development	3
DMA C211	Web Scripting w/JavaScript	3
DMA C201	E-Commerce	3
DMA C213	Web Development with PHP and MySQL	3
DMA C280	Web Production Management	3

Complete one of the following general education patterns:

OPTION A	Cerro Coso Local General Education Pattern
OPTION B	CSU General Education Breadth
OPTION C	IGETC—Intersegmental General Education Transfer Curriculum

Web Professional Certificate of Achievement

(Previously listed as Web Design)

The Web Professional Certificate of Achievement (33 Units) is designed to prepare students for employment or self-employment in the Web industry by emphasizing standards-based coding and scripting, creative problem solving, usability, accessibility, media production, e-commerce concepts, project management, and networking. Students obtain skills in Adobe Dreamweaver,

Fireworks, Flash, Illustrator, and Photoshop, as well as open source products. The curriculum has the objective of developing technical and design skills, a combination of competencies that employers and clients value. Students develop realistic expectations about work conditions through individual and collaborative work-based projects and by learning in the same technological environment in which they will eventually work. The curriculum is also designed to equip students for Certified Internet Web Professional certifications, including the Web Foundations Associate Series, the Web Design Specialist, and the E-commerce Specialist.

Each course for this certificate must be completed with a grade of "C" or better, or with a grade of "P" if the course is taken on a pass/no pass basis.

Program Learning Outcomes

Upon successful completion of the program, the student will be able to

- Identify concepts of Internet technology, networking, databases, and electronic communications.

- Demonstrate technical and creative mastery of the creation of Web media, such as graphics, motion graphics, and interactive media.

- Use valid markup, cascading style sheets, semantic encoding, accessibility compliance, and error-free scripting in the creation of Web content.

- Apply design principles to solve visual communication problems.

- Demonstrate lifelong learning skills in effective collaboration, leadership, written communication, management, and information search and retrieval.

Courses

Note: Some courses within the major have a required prerequisite. If you feel you have equivalent knowledge and skills to those included in the prerequisite course through professional experience, licensure or certification, you have the opportunity to submit a Prerequisite Challenge to be reviewed by the Department Chair. For the Prerequisite Challenge to be considered, you must submit documentation and verification to substantiate the basis for the challenge. Please see a counselor for more information about the Prerequisite Challenge process.

Complete all of the following courses.

CSCI C101	Intro to Computer Info Systems	3 Units
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DMA C102	Digital Imaging	3
DMA C111	Fundamentals of Web Development	3
DMA C113	Accessibility and Usability	3
DMA C117	Web Design w/Dreamweaver	3
DMA C119	Advanced Web Development	3
DMA C201	E-Commerce	3
DMA C211	Web Scripting with JavaScript	3
DMA C213	Web Development with PHP and MySQL	3
DMA C280	Web Production Management	3

REVISED COURSES

Administration Of Justice

ADMJ C149 A/CSU　　　　　　10.00 Units
Corrections Core Course

Limitation on Enrollment: Prospective students need to go through the selection process given by the course certification holder.

Advisory: ENGL C040
Repeat Status: Not repeatable

This is a California Standards and Training for Corrections (STC) approved Adult Corrections Officer Core Course. It is 324 hours and includes PC 832 Arrest and Firearms, Defensive Tactics, Force Options, and Officer Safety for Detentions. 108 hours lecture/216 hours laboratory.

Anthropology

ANTH C121 A/UC/CSU　　　　3.00 Units
Physical Anthropology

Advisory: ENGL C070
Repeat Status: Not repeatable

This course examines humans as biological organisms from an evolutionary perspective. Areas covered include concepts, methods, findings, and issues in the study of the order primates, including relationships between fossil monkeys, apes and humans, and the significance of genetic diversity among modern populations. 54 hours lecture.

Art

ART C105 A/UC/CSU　　　　3.00 Units
History of Western Art I

Advisory: ENGL C070
Repeat Status: Not repeatable

This course covers the historical development of art and architecture from the Paleolithic Period to the end of the Middle Ages. 54 hours lecture.

ART C106 A/UC/CSU　　　　3.00 Units
History of Western Art II

Advisory: ENGL C040
Repeat Status: Not repeatable

This course covers the historical development of painting, sculpture, and architecture from Giotto (1300) to the present. It focuses on the important contributions of Western Art. 54 hours lecture.

ART C106H A/UC/CSU　　　　4.00 Units
History of Western Art II – Honors

Advisory: ENGL C040
Repeat Status: Not repeatable

This course covers the historical development of painting, sculpture, and architecture from Giotto (1300) to the present. It focuses on the important contributions of Western Art. 54 hours lecture. The honors section provides more content and requires greater intensity and depth of study than the non-honors class.72 hours lecture.

Business Administration

BSAD C152 A/CSU　　　　3.00 Units
Managing Diversity - Workplace

Advisory: ENGL C070
Repeat Status: Not repeatable

This course is a survey of the processes involved in creating a workplace environment which is free of bias related to cultural background, gender, lifestyle or other legally relevant classification. Topics include identifying a personal comfort level, skill building in dealing with diversity issues, and the role of diversity in organizational culture. Case studies, exercises for developing competency, and projects are used to assist the students in understanding the material and in developing managerial skills. 54 hours lecture.

BSAD C220 A/CSU　　　　3.00 Units
Principles of Project Management

Advisory: ENGL C070, BSAD C100, CSCI C101
Repeat Status: Not repeatable

This course introduces students to the principles of project management. Topics include project management theory and project initiation, planning, and implementation. Additionally, techniques for selection, monitoring, and controlling are introduced. Students make extensive use of project management software to track resources, tasks, and milestones. 54 hours lecture.

Child Development

CHDV C100 A/ CSU 3.00 Units
Principles and Practices of Teaching

Advisory: ENGL C101
Repeat Status: Not repeatable

This course provides an examination of the theoretical principles of developmentally appropriate practices applied to programs, environments, with emphasis upon

the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting the physical, social, creative, and intellectual development of all children. This course includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics and professional identity. Students are required to observe children in a group setting. 54 hours lecture.

Computer Science

CSCI C251　　A/ CSU　　　　　　3.00 Units
Introduction to Visual Basic Programming

Prerequisite: CSCI C101
Repeat Status: Not repeatable

This course is an introduction to object-oriented programming and the Integrated Development Environment (IDE) of Visual Basic, including fundamentals, logic algorithm development, classes and objects. 36 hours lecture/54 hours laboratory.

CSCI C252　　A/ CSU 3.00 Units
Introduction to Computer Science

Prerequisite: MATH C055
Advisory: CSCI C101
Repeat Status: Not repeatable

This course explores topics that provide students with a foundation in computer science. This course covers the fundamental issues of algorithms, computer organization, software, computational theory, fundamental object oriented programming and social and ethical issues of computing. 36 hours lecture/54 hours laboratory.

Digital Media Arts

DMA C102　　A/ UC/CSU　　　　3.00 Units
Digital Imaging

Advisory: CSCI C101, ENGL C070
Repeat Status: Not repeatable

In this course, students apply design principles and color theory in the design and enhancement of digital images, including rich web interface images, digital compositions, and digital photographs. Students become proficient in several imaging software applications, including Adobe Photoshop, Adobe Fireworks, and open source digital imaging applications. Digital input and output devices are also discussed. 36 hours lecture/54 hours laboratory.

DMA C111　　A/CSU　　　　　　3.00 Units
Fundamentals of Web Development

Advisory: CSCI C101, ENGL C040
Repeat Status: Not repeatable

This entry-level course provides students with the skills to create web pages in hypertext markup language (HTML)

and cascading style sheets (CSS) using a text editor. This course emphasizes current web standards which include code validation, semantics, and separating content from style. Micro formats and modern web trends are also discussed. 36 hours lecture/54 hours laboratory.

Emergency Medical Technology

EMTC C070　　A 0.50 Units
CPR for the Healthcare Provider

Repeat Status: Not repeatable

This is a Healthcare Provider - CPR Course that meets the current American Heart Association standards. The course provides training in emergency treatment for life-threatening cardiopulmonary arrest, airway and breathing management, and foreign body obstructed airway for all age groups in a particular setting. This course also includes one and two rescuer CPR, use of barrier devices, AED use and the prevention of disease transmission. Note: This course is cross listed with HCRS C070. 10 hours lecture.

EMTC C106　　A/CSU　　　　　　0.50 Units
CPR for the Healthcare Provider

Repeat Status: Not repeatable

This course teaches current First Aid instruction for Schools and the Community through discussion, demonstrations, and practical experiences. It includes Emergency Action Steps; breathing and cardiac problem recognition and care; CPR for adult, child, infant; AED Automated External Defibrillator for adult and child, and choking for conscious and unconscious person; wound care; bandaging; shock; poisoning; local poisonous plants and animals; burns; bone and joint injuries including splinting; diabetic emergencies; temperature extremes; and other sudden illnesses. Note: This course is cross listed with HCRS C106. 10 hours lecture.

English

ENGL C102　　A/UC/CSU　　　　3.00 Units
Critical Thinking through Literature

Prerequisite: ENGL C101
Repeat Status: Not repeatable

In this composition course for transfer to four-year institutions, students continue development of composition and critical reasoning skills begun in ENGL C101 through advanced study of imaginative literature (novels, poetry, drama) and arguments. The course emphasizes critical analysis, principles of logic, and presentation of carefully-reasoned written arguments. Students write four to five expository and argumentative essays, including some requiring multiple sources showing the student's ability to analyze and

evaluate source material and to generate and develop independent topics of inquiry (total: 8,000 words). 54 hours lecture.

ENGL C102H   A/UC/CSU   4.00 Units
Critical Thinking through Literature: Honors

Prerequisite: ENGL C101
Repeat Status: Not repeatable

In this composition course for transfer to four-year institutions, students continue development of composition and critical reasoning skills begun in ENGL C101 through advanced study of imaginative literature (novels, poetry, drama) and arguments. The course emphasizes critical analysis, principles of logic, and presentation of carefully-reasoned written arguments. Students write four to five expository and argumentative essays, including some requiring multiple sources showing the student's ability to analyze and evaluate source material and to generate and develop independent topics of inquiry (total: 8,000 words). The honors course provides more content and requires greater intensity and depth of study than the non-honors course; the honors course also requires at least one extra paper assignment beyond that required in the non-honors. 72 hours lecture.

ENGL C141   A/UC/CSU   3.00 Units
Creative Writing Fiction and Poetry

Prerequisite: ENGL C070
Repeat Status: Not repeatable

This course concentrates on the study and practice of creative writing. Students submit a number of original poems and short stories for peer consideration and discussion related to style and content. Participants also examine a variety of published works in order to develop awareness of and skill in using the elements of fiction and poetry. 54 hours lecture.

French

FREN C101   A/UC/CSU   5.00 Units
Elementary French I

Advisory: ENGL C101
Repeat Status: Not repeatable

This is an introductory course in which students learn basic grammar and vocabulary for speaking, reading, understanding, and writing at the beginning level as well as the culture and civilization of the French-speaking world. 90 hours lecture.

Geography

GEOG C101   A/UC/CSU   3.00 Units
Physical Geography Lecture

Advisory: ENGL C101
Repeat Status: Not repeatable

This lecture course covers the study of the Earth as an integrated system, including Earth-Sun relationships and motions, weather, climatic types and regions, ecosystems, soils, natural hazards, resource management, landforms, and the ocean. An emphasis is placed on understanding human-land relationships and examining current world problems from a geographical perspective. Not open to students who have completed GEOG C111. 54 hours lecture.

GEOG C102   A/UC/CSU   1.00 Units
Physical Geography Laboratory

Prerequisite: GEOG C101
Co-Requisite: GEOG C101
Advisory: ENGL C101
Repeat Status: Not repeatable

This laboratory course provides practical experience in field methods and enhancement of topics in GEOG C101, such as the Earth as an integrated system, Earth-Sun relationships and motions, weather, climatic types and regions, ecosystems, soils, natural hazards, resource management, landforms, and the ocean. Not open to students who have completed GEOG C111. 54 hours laboratory.

GEOG C111   A/UC/CSU   4.00 Units
Physical Geography

Advisory: ENGL C101
Repeat Status: Not repeatable

This lecture and laboratory course covers the study of the Earth as an integrated system. Lecture topics include Earth-Sun relationships and motions, weather, climatic types and regions, ecosystems, soils, natural hazards, resource management, landforms, and the ocean. An emphasis is placed on understanding human-land relationships and examining current world problems from a geographical perspective. Meanwhile, laboratory provides practical experience in field techniques and supplemental exercises that enhance and reinforce topics covered in lecture. Not open to students who have completed GEOG C101. 54 hours lecture/54 hours laboratory.

Health Careers

HCRS C057   A   2.00 Units
Home Health Aide

Prerequisite: Certified Nursing Assistant Certificate
Repeat Status: Not repeatable

This course is designed to prepare the student to work with clients in a home setting doing hands-on patient care. This course focuses on the skills for basic care of residents who need assistance with activities of daily living, including bathing, hygiene measures, transfers, bed making, cleaning, and homemaking tasks. The State Department of Licensing requires a grade of C or better. 27 hours lecture/27 hours clinical.

HCRS C070   A   0.50 Units
CPR for the Healthcare Provider

Repeat Status: Not repeatable

This is a Healthcare Provider-CPR Course that meets the current American Heart Association standards. The course provides training in emergency treatment for life-threatening cardiopulmonary arrest, airway and breathing management, and foreign body obstructed airway for all age groups in a particular setting. This course also includes one and two rescuer CPR, use of barrier devices, AED use and the prevention of disease transmission. Note: This course is cross listed with EMTC C070. 10 hours lecture.

HCRS C106   A/CSU   0.50 Units
First Aid/Cardio resuscitation/Automated External Defibrillator

Repeat Status: Not repeatable

This course teaches current first aid instruction for Schools and the Community through discussion, demonstrations, and practical experiences. It includes Emergency Action Steps; breathing and cardiac problem recognition and care; CPR for adult, child, infant; AED Automated External Defibrillator for adult and child, and choking for conscious and unconscious person; wound care; bandaging; shock; poisoning; local poisonous plants and animals; burns; bone and joint injuries including splinting; diabetic emergencies; temperature extremes; and other sudden illnesses. Note: This course is cross listed with EMTC C106. 10 hours lecture.

HCRS C230   A/CSU   3.00 Units
Pharmacology for Health Professionals

Advisory: ENGL C101
Repeat Status: Not repeatable

This course presents the components of pharmacology including techniques of administration, dosage calculations, foundations of pharmacology, patient education, health promotion, and a detailed overview of each drug class and commonly used drugs by body system. Pharmacology is an integral part of every aspect of health careers and this course is recommended for any individual with a Health Career objective. 54 hours lecture.

HCRS C240   A/CSU   3.00 Units
Nutrition and Diet Therapy

Advisory: ENGL C070
Repeat Status: Not repeatable

This course is designed to provide the student with an understanding of the fundamentals of nutrition related to the promotion and maintenance for optimal health. Practical applications and treatment of nutrition related pathologies are emphasized. Students are introduced to basic scientific knowledge to enable them to evaluate nutritional issues discussed in the mass media. This course presents case studies with care plans and clinical analysis questions for the healthcare provider. It also incorporates standardized nursing terminology. 54 hours lecture.

HCRS C250   A/CSU   3.00 Units
Cultural Diversity in Health Care

Advisory: ENGL C101
Repeat Status: Not repeatable

This course familiarizes the students with the fundamentals of cultural diversity as an integral part of every aspect of health care. This course is encouraged for any individual with a health career objective. Students explore cross-cultural theory and analyze forms of cultural diversity including gender, age, and family. Students analyze how cultural diversity affects health/illness dynamics and how recognition of ethnocentrism and bias can help improve health care delivery. 54 hours lecture.

HCRS C255   A/CSU   3.00 Units
Basic Cardiac Rhythm Interpretation

Advisory: ENGL C070
Repeat Status: Not repeatable

This course is designed to enable students to interpret basic cardiac rhythms in health care related settings. Heart anatomy, physiology, and dysrhythmias relating to atrial and ventricular dysfunction, basic electrical conduction disorders and treatment plans are presented. 54 hours lecture

HCRS C260   A/CSU   3.00 Units
Ethics for the Health Professional

Advisory: ENGL C070
Repeat Status: Not repeatable

This course explores the theories, models, and principles that serve as guides for ethical behavior within the healthcare content. Ethics is an integral part of every aspect of health careers and this course is encouraged for any individual with a health career objective. The students explore the complexities created by science and technological advances, the variety of health care settings, and the diversity of patients in their care, all while emphasizing the importance of principled behavior

in personal and professional situations. Global issues such as health policy, economics, social, gender, transcultural and spiritual considerations are addressed. 54 hours lecture.

History

HIST C104   A/UC/CSU   3.00 Units
Western Civilization II

Advisory: ENGL C101
Repeat Status: Not repeatable

This course covers the growth and development of European Civilization from the Renaissance to the present, integrating social, political, and cultural developments of European and the Western heritage. 54 hours lecture.

HIST C104H   A/UC/CSU   4.00 Units
Western Civilization: Honors

Advisory: ENGL C101
Repeat Status: Not repeatable

This course covers the growth and development of European Civilization from the Renaissance to the present, integrating social, political, and cultural developments of European and the Western heritage. Honors students meet one extra hour weekly to discuss and evaluate selected primary source materials. 72 hours lecture.

HIST C209   A/UC/CSU   3.00 Units
History of Mexico

Advisory: ENGL C070
Repeat Status: Not repeatable

The course covers Mexican history from the earliest times to the present. It includes an analysis of the social, cultural, political, and economic aspects of the Mexican past. 54 hours lecture.

Music

MUSC C118   A/UC/CSU   3.00 Units
History of American Pop Music

Advisory: ENGL C101
Repeat Status: Not repeatable

This course is an introduction to the historical and stylistic developments of American popular music, with an emphasis on its social, economic and political consequences. This course studies the development of Anglo-American folk music, African-American music, musical theatre, and various rock styles. Concert attendance required. 54 hours lecture.

MUSC C131   A/UC/CSU   1.00 Units
Orchestra

Repeat Status: Repeatable

This course includes the preparation and performance of basic to advanced orchestral works. Participation in a public performance is required. Students are expected to be able to read standard music notation. 54 hours activity.

MUSC C141   A/UC/CSU   1.00 Units
Choir

Repeat Status: Repeatable

This course includes the preparation and performance of basic to advanced concert band and wind ensemble works. Students are expected to be able to read standard music notation. 54 hours activity.

MUSC C151   A/UC/CSU   1.00 Units
Community Band

Repeat Status: Repeatable 3 times

This course includes the preparation and performance of basic to advanced choral works, including one masterwork yearly. Participation in a public performance is required. Students are expected to be able to read standard music notation. 54 hours activity.

MUSC C173   A/UC/CSU   3.00 Units
Appreciation of Jazz

Advisory: ENGL C070
Repeat Status: Not repeatable

This is a survey of 20th Century jazz styles and performers with a historical background of the antecedents of jazz. This course traces the musical and cultural contributions of diverse racial and ethnic groups that lead to the development of jazz, from its roots in West African music and the slave culture in the United States through the blues, Ragtime, Dixieland, Swing, Bop, Cool, Hard Bop, Free jazz and Fusion styles. Concert attendance required. 54 hours lecture.

Philosophy

PHIL C161   A/UC/CSU   3.00 Units
Introduction to Religious Studies

Advisory: ENGL C101
Repeat Status: Not repeatable

This course explores and explains the historical role of religion in human life across cultures and examines the place of religion in the global culture of the 21st century. 54 hours lecture.

PHIL C205   A/UC/CSU   3.00 Units
Critical and Comparative Reasoning.

Advisory: ENGL C101

Repeat Status: Not repeatable

In this course students identify and apply principles of critical and comparative reasoning to the domain of science, as well as analyze science as a method and discipline within the broader questions of human knowledge and methods of inquiry. 54 hours lecture.

Physical Education

PHED C151   A/UC/CSU   0.50 Units
Conditioning for Competitive Athletes I

Repeat Status: Repeatable 3 times

This is a course designed to improve individual fitness for competitive athletes. It includes principles of kinesiology and the advanced application of physical fitness methods. This course emphasizes the maintenance of a high level of physical conditioning through an individually designed fitness program. 87.5 intercollegiate hours.

PHED C152   A/UC/CSU   1.00 Units
Conditioning for Competitive Athletes II

Repeat Status: Repeatable 3 times

This is an advanced course designed to improve individual fitness for competitive athletes. It includes principles of kinesiology and the advanced application of physical fitness methods. This course emphasizes the maintenance of a high level of physical conditioning through an individually designed fitness program. 175 intercollegiate hours.

PHED C171   A/UC/CSU   1.00 Units
Women's Intercollegiate Volleyball

Prerequisite: Must meet California Community College Athletic Association Eligibility Guidelines
Repeat Status: Repeatable 3 times

This course allows students to participate in advanced level volleyball competition and skill development. The course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Students must meet California Community College Athletic Association Eligibility Guidelines. 175 intercollegiate hours.

PHED C173   A/UC/CSU   1.00 Units
Intercollegiate Baseball

Prerequisite: Must meet California Community College Athletic Association Eligibility Guidelines
Repeat Status: Repeatable 3 times

This course involves participation in competition and skill development for intercollegiate Baseball. There is an emphasis on advanced skill, theory, tactics and strategy utilized in intercollegiate competition. Students must meet California Community College Athletic Association Eligibility Guidelines. 175 intercollegiate hours.

Political Science

POLS C101   A/UC/CSU   3.00 Units
American Government

Advisory: ENGL C101
Repeat Status: Not repeatable

The course includes the study of American government with an emphasis on national, state, and local government. In addition, students undertake a comprehensive analysis of government structure, functions, principles, and problems. 54 hours lecture.

POLS C101H   A/UC/CSU   4.00 Units
American Government: Honors

Advisory: ENGL C101
Repeat Status: Not repeatable

The course includes the study of American government with an emphasis on national, state, and local government. In addition, students undertake a comprehensive analysis of government structure, functions, principles, and problems. The honors course provides more content and requires greater intensity and depth of study than the non- honors class. 72 hours lecture.

Sociology

SOCI C101   A/UC/CSU   3.00 Units
Introduction to Sociology

Advisory: ENGL C070
Repeat Status: Not repeatable

This course introduces concepts and research findings of contemporary sociology; this includes analyzing human groups such as the family, the peer group, the work group, social class, institutions, mass behavior and culture. Discussion is centered on the effects of social change in an industrial society. 54 hours lecture.

SOCI C210   A/UC/CSU   3.00 Units
Diversity and Film

Advisory: ENGL C070
Repeat Status: Not repeatable

Through the use of films, documentaries and analytical essays students use critical reasoning skills to discover how the structures of race, class, gender and similar constructs have shaped and formed our society and our culture. There is analysis, discussion, and written critique of selected films and readings.

Welding

WELD C102   A/CSU   2.00 Units
Shielded Metal Arc Welding

Prerequisite: WELD C101
Repeat Status: Not repeatable

In this course students gain practical, hands-on experience in Shielded Metal Arc Welding (SMAW) as well as learn safety, the different types of SMAW machines, identification of metals, electrode selection and electrical theory. 18 hours lecture/54 hours laboratory.

WELD C200   A/CSU   2.00 Units
Gas Metal Arc Welding (GMAW)

Prerequisite: WELD C101
Repeat Status: Not repeatable

In this course students gain practical experience in Gas Metal Arc Welding (GMAW), Metal Inert Gas (MIG) as well as learn safety, welding and identification of ferrous and non-ferrous metals, shielding gasses, bare and flux cored electrodes, and proper selection of welding materials for different applications.

NEW COURSES

Anthropology

ANTH C121H   N/UC/CSU   4.00 Units
Physical Anthropology: Honors

Advisory: ENGL C070
Repeat Status: Not repeatable

This course examines humans as biological organisms from an evolutionary perspective. Areas covered include concepts, methods, findings, and issues in the study of the order primates, including relationships between fossil monkeys, apes and humans, and the significance of genetic diversity among modern populations. The honors course provides more content and requires greater intensity and depth of study than the non-honors class. 72 hours lecture.

Biology

BIOL C262   N/UC/CSU   5.00 Units
General Microbiology

Prerequisite: ENGL C070
Advisory: CHEM C101, BIOL C255
Repeat Status: Not repeatable

This course offers an introduction to major topics and sub-disciplines in microbiology including microbial diversity and classification, microbial anatomy and physiology, microbial genetics, microbial ecology, medical microbiology and immunology, epidemiology and public health, and biotechnology. The course is designed for students interested in health careers. 54 hours lecture/108 hours laboratory.

Computer Science

CSCI C254   N/CSU   3.00 Units
Object Oriented Programming

Prerequisite: CSCI C252
Advisory: MATH C151
Repeat Status: Not repeatable

This course follows the Introduction to Computer Science course with a focus on object oriented programming and design. A greater emphasis is placed on abstraction and using programming to solve a wide range of problems. Intermediate data structures are also addressed including trees, graphs, stacks, queues and linked lists. Students learn how to use the program development life cycle to design, code, and test programs. 54 hours lecture.

CSCI C255   N/CSU   3.00 Units
Discrete Structures

Prerequisite: CSCI C252
Repeat Status: Not repeatable

This course covers mathematical topics essential for work in computer science, including number bases, mathematical induction, sets, functions, recursion, probability, graphs, trees, logic, Boolean algebra, and proof techniques. 54 hours lecture.

CSCI C257   N/CSU   3.00 Units
Computer Architecture and Organization

Advisory: CSCI C252
Repeat Status: Not repeatable

This course covers basic hardware and software structure; I/O and main memory organization; internal representation of data; addressing methods; program control; microprocessors and multiprocessors, and RISC architectures. There is some assembly language programming. 54 hours lecture.

English

ENGL C042   N   2.00 Units
Preparation for Introductory Composition

Prerequisite: ENGL C030
Repeat Status: Not repeatable

This course, which accelerates preparation for English C070, is designed to raise students' overall reading and writing skills to college level. Students write short compositions (500-750 words each) with clear organization, development, keywords, thesis, topic sentences, and sufficient details. By completing in-class compositions, students become familiar with a variety of rhetorical modes. Major and minor principles of grammar

and mechanics also are reviewed. 18 hours lecture/54 hours laboratory.

Engineering Technology

ENTC C151   N   3.00 Units
Introduction to Engineering Design I

Prerequisite: MATH C050
Advisory: ENGL C040
Repeat Status: Not repeatable

In this course, students learn the different facets of engineering design, including history of design, the steps in the design process, proper sketching techniques, and the use of measurement and tools. Students gain working knowledge of geometric shapes and solids, dimensioning, and 3D modeling. Students also learn to calculate area and properties of solids. 36 hours lecture/54 hours laboratory.

ENTC C152   N   3.00 Units
Introduction to Engineering Design II

Prerequisite: ENTC C151
Repeat Status: Not repeatable

In this course, students learn how to reverse engineer a manufactured product by analyzing its structure, function, and operation. They learn the fundamentals of visual design. Students also examine ethical issues in the design and recycling of manufactured objects. 36 hours lecture/54 hours laboratory.

ENTC C153   N   3.00 Units
Principles of Engineering Technology I

Prerequisite: ENTC C152, MATH C057
Repeat Status: Not repeatable

In this course, students apply concepts of engineering in the design, creation, testing, and evaluation of a compound machine. Topics that are covered include energy-harnessing storage, transportation, and conversion; voltage, current, resistance, conduction, R-values, and radiation; equilibrium of objects at rest or in motion; and materials testing. 36 hours lecture/54 hours laboratory.

ENTC C154   N   3.00 Units
Principles of Engineering Technology II

Prerequisite: ENTC C153
Repeat Status: Not repeatable

In this course, students apply advanced concepts of engineering in the design, creation and testing of a vehicle that stores and releases potential energy for propulsion. Topics include hydraulics, pneumatics, and dynamics, which is concerned with the acceleration of objects in motion. Students learn how engineers use statistics. 36 hours lecture/54 hours laboratory.

ENTC C155   N   3.00 Units
Digital Electronics I

Prerequisite: ENTC C151
Repeat Status: Not repeatable

In this course, students are introduced to basic circuit concepts and the fundamentals of combinational logic. They design several types of integrated circuits, and they use Circuit Design Software (CDS) and a Digital Logic Board (DLB) to simulate and prototype combinational logic designs implemented with programmable logic. 36 hours lecture/54 hours laboratory.

ENTC C156   N   3.00 Units
Digital Electronics II

Prerequisite: ENTC C155
Repeat Status: Not repeatable

In this course, students are introduced to the fundamentals of sequential logic. They use Circuit Design Software (CDS) and a Digital Logic Board (DLB) to simulate and prototype introductory flip-flop applications, medium scale integrated (MSI) circuit counters, and state machines designs implemented with discrete and programmable logic. They also program a microcontroller to maneuver a robot through a design course. 36 hours lecture/54 hours laboratory.

ENTC C157   N   3.00 Units
Civil Engineering and Architecture I

Prerequisite: ENTC C151, MATH C057
Repeat Status: Not repeatable

In this course, students learn the fundamentals of residential architecture, including foundation, framing system, roof design, and insulation. They learn principles of client-centered sustainable and aesthetic design. Students also use 3D architectural design software to document and design a residential building. 36 hours lecture/54 hours laboratory.

ENTC C158   N   3.00 Units
Civil Engineering and Architecture II

Prerequisite: ENTC C157
Repeat Status: Not repeatable

In this course, students learn how commercial building design differs from residential design. Concepts of structural engineering are covered. The criteria and constraints to size and locate new utility service connections are addressed. Codes, regulations, and technical standards are also emphasized. Students synthesize these concepts to create a site design and commercial building design, using 3D architectural design software. 36 hours lecture/54 hours laboratory.

Health Careers

HCRS C110 N/CSU 1.00 Units
Principles of Adult Learners

Limitation in Enrollment: This course is required by the BVNPT for all new nursing faculty. Enrollment in course must be approved by Director of Nursing and Instructor.
Repeat Status: Not repeatable

A study of the variety of teaching techniques which are applicable to classroom instruction and clinical supervision of students pursuing a health profession. Teaching techniques focus on delivery of the theory and content of a program and assessment of student performance in the classroom and in the clinical setting. The range of teaching techniques from general lecture format to more creative approaches to learning is explored for both theory and clinical courses. 18 hours lecture.

HCRS C204 N/CSU 9.00 Units
Medical Surgical Nursing II

Prerequisite: HCRS C100, HCRS C103, HCRS C107, HCRS C113
Co-Requisite: HCRS C214.
Repeat Status: Not repeatable

This theory course uses the nursing process as a framework to guide the development of critical thinking skills used to determine nursing actions for adult and geriatric clients with cancer and conditions affecting the cardiovascular, lymphatic, musculoskeletal, endocrine, and respiratory systems. The role of the vocational nurse as a provider of care and manager of care related to leadership, supervision, and rehabilitation are also discussed. This course integrates care of the medical surgical client with mental health disorders. Concepts in this course are correlated to the various clinical settings presented in HCRS C214 Clinical Nursing Lab II. 162 hours lecture.

HCRS C205 N/CSU 3.50 Units
Medical Surgical Nursing III

Prerequisite: HCRS C204
Co-Requisite: HCRS C216
Repeat Status: Not repeatable

Using the nursing process as a framework, this theory course reinforces the critical thinking skills necessary to care for adult and geriatric clients with acute and complex medical surgical disease states, including multisystem involvement. The care for the client with increasingly complex mental health conditions is explored. Role expectations related to being a member of the profession are also discussed. Knowledge of nursing principles and leadership/management techniques to determine and prioritize nursing actions are correlated with the clinical settings presented in HCRS C216 Clinical Nursing III. 63 hours lecture.

HCRS C206 N/CSU 3.00 Units
Maternal and Child Nursing

Co-Requisite: HCRS C207 and HCRS C216
Repeat Status: Not repeatable

This theory course provides an overview of contemporary family centered childbirth and a foundation for pediatric nursing using growth and development concepts as a framework for presenting health problems and special concerns of the pediatric client. This course focuses on the provider and manager of care role for the vocational nurse in assisting families experiencing common health/illness situations associated with their age group. Using the nursing process and developmental theory as a framework, topics and nursing responsibilities for the normal aspects of the child bearing family and the pediatric client are discussed. The course concepts are correlated with the clinical settings in HCRS C216 Clinical Nursing III. 54 hours lecture.

HCRS C207 N/CSU 1.00 Units
Advanced Pharmacology

Co-Requisite: HCRS C206 and HCRS C216
Repeat Status: Not repeatable

This theory course reinforces and emphasizes the basic principles of pharmacology and calculations necessary for safe and effective medication administration. The primary focus is on the pharmacology content and variables that influence drug therapy when caring for the child-bearing family and the pediatric client. Utilization of the pharmacological principles from this course correlates to HCRS C216 Clinical Nursing III. 18 hours lecture.

HCRS C208 N/CSU 1.50 Units
Critical Thinking and Leadership for the Vocational Nurse

Co-Requisite: HCRS C216
Repeat Status: Not repeatable

This theory course focuses on the concepts of critical thinking skills and clinical reasoning strategies utilizing a case study approach. Leadership skills, capabilities, and knowledge essential to the vocational nurse including roles and responsibilities, application of the nursing process to problem solving methods, and supervision and evaluation of the effectiveness and quality of care are discussed. Managerial traits, styles, roles and models are also explored. Critical thinking skills and utilization of the nursing process in clinical decision making are presented and correlated to the Clinical Nursing III course. 27 hours lecture.

HCRS C214 N/CSU 6.00 Units
Clinical Nursing II

Co-Requisite: HCRS C204
Repeat Status: Not repeatable

This clinical lab course concentrates on the application of the nursing process and the continued development of the manager and provider of care roles for adult medical-surgical clients from various cultural and social backgrounds. Clinical experiences build on the basics from first semester as students perform more advanced skills when providing nursing care to clients. Incorporated into the course is the utilization of intermediate assessment, planning, intervention and evaluation under clinical supervision. This clinical course includes acute care and rehabilitation settings which correlate with the topics presented in HCRS C204 Medical Surgical Nursing II. 324 clinical hours.

HCRS C216   N/CSU   6.00 Units
Clinical Nursing III

Co-Requisite: HCRS C205, HCRS C206, HCRS C207, HCRS C208
Repeat Status: Not repeatable

Using the advanced application of the nursing process and developmental theory as a framework to guide the plan of care, students provide care for the childbearing family, pediatric clients and clients with acute medical and surgical illnesses. The care focuses on multiple clients from various ethnic and social backgrounds. Clinical experiences provide opportunities for the demonstration of leadership skills, capabilities and knowledge essential to the role of the vocational nurse as a member of the health care team and supervisor of other vocational nurses and unlicensed health care givers. Application of critical thinking skills and the utilization of the nursing process in clinical decision making are assessed. This clinical course includes settings in acute care, clinics, physician offices for obstetrics and pediatric clients and acute and sub-acute settings for the care of clients with acute medical and surgical illnesses. Clinical content correlates with the Maternal Child theory course and topics in the Medical Surgical Nursing III and critical thinking courses. 324 clinical hours.

Physical Education

PHED C180   N/CSU   1.00 Units
Women's Intercollegiate Soccer

Prerequisite: Must meet California Community College Athletic Association Eligibility Guidelines
Repeat Status: Repeatable Three times

This course allows students to participate in advanced level soccer competition and skill development. The course emphasizes advanced skill, theory, tactics, strategy and intercollegiate competition. Students must meet California Community College Athletic Association Eligibility Guidelines. 175 intercollegiate hours.

Political Science

POLS C102   A/UC/CSU   3.00 Units
Comparative Government

Advisory: ENGL C101
Repeat Status: Not repeatable

This course introduces students to the comparative analysis of government and politics. A number of key political concepts are discussed, which include statehood, democracy and democratization, governmental institutions and political systems, and the development of parties and interest groups. Course concepts are applied to a variety of modern nations to illustrate different political systems. 54 hours lecture.

Psychology

PSYC C220   A/UC/CSU   3.00 Units
Physiological Psychology

Prerequisite: PSYC C101
Advisory: ENGL C101
Repeat Status: Not repeatable

This course introduces the scientific study of the biological bases of behavior and its fundamental role in the neurosciences. Physiological, hormonal, and neurochemical mechanisms, and brain-behavior relationships underlying the psychological phenomena of sensation, perception, regulatory processes, emotion, learning, memory, and psychological disorders are addressed. The course also notes historical scientific contributions and current research principles for studying brain-behavior relationships and mental processes. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental research. 54 hours lecture.

INACTIVATED COURSES

DMA C103	Digital Photo Enhancement with Photoshop
DMA C107	Illustration and Design with Illustrator
DMA C108	Digital Imaging and Illustration
DMA C109	Desktop Publishing with InDesign
DMA C115	Interactivity and Interface Design with Flash
DMA C121	Principles of Animation with Flash
DMA C130	Introduction to Podcasting
DMA C131	Digital Video Production
DMA C133	Motion Graphics with After Effect
DMA C135	Digital Cinematography
DMA C217	Site Management and Theme Design
HSCI C105	First Aid/Cardiopulmonary Resuscitation and Automated External Defibrillator
PHED C156	Practicum in Athletic Training
PHED C177	Women's Intercollegiate Basketball I
PHED C178	Women's Intercollegiate Basketball II
PHED C276	Advanced Baseball Skills
PHED C277	Women's Intercollegiate Basketball III
PHED C278	Women's Intercollegiate Basketball IV

DELETED COURSES

BIOL C122	Survey of Anatomy and Physiology Laboratory
BIOL C142	Environmental Studies Laboratory
BIOL C261	General Microbiology (Replaced with BIOL C262)
BSAD C180	Entrepreneurship: Small Business Management
BSAD C211	E-Commerce
BSAD C212	International Business
CHDV C081	Special Topics in Child Development (1.00 Unit)
CHDV C082	Special Topics in child Development (2.00 Units)
CHDV C083	Special Topics in Child Development (3.00 Units)
CHDV C084	Special Topics in child Development (0.50 Units)
INDT C092	Special Topics in Industrial Technology
INDT C108	Reading Technical Drawings
INST C210	Diversity and Film
INST C220	Perspectives on Race, Class, and Gender
PHIL C215	History of Western Philosophy
PHSC C102	General Earth Sciences Laboratory
PHSC C112	Physical Science Laboratory

COURSE DESCRIPTIONS

CERRO COSO COMMUNITY COLLEGE

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