

West Hills College Coalinga Catalog Addendum

2012-2013

*Once you **go here,**
you can **go anywhere***[™]



WEST
HILLS
COLLEGE

COALINGA

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Non-Resident Fees and Tuition

Enrollment Fees

Residents:

California residents \$46 per unit

Non-resident fees and tuition:

Enrollment fees (per unit) \$46
Tuition (per unit) \$190
Capital Outlay Fee \$64
Total cost per unit for non-resident students
academic year 2012/13. \$300

International fees and tuition:

Enrollment fees (per unit) \$46
Tuition (per unit) \$190
Capital outlay (per unit) \$64
Total cost per unit for international students
academic year 2012/13. \$300

Non-refundable processing fee (per semester) \$100
United States health insurance coverage is required (per semester) . . . \$570

Waivers available with proof of insurance submitted to West Hills Community College District, 9800 Cody Street, Coalinga, CA 93210. Contact the International Students Program at 559.934.2432 for details or to enroll.

Associate In Arts Degree Requirements

I. Major Requirements

At least 18 semester units of study taken in a single discipline or related disciplines.

II. General Education Requirements

Area A. Language and Rationality (6 units)

These courses emphasize both the content and form of communication. They teach students the relationship of language to logic, as well as how to analyze, criticize, and advocate ideas, to reason deductively and inductively, and to reach sound conclusions. Courses fulfilling this requirement provide understanding of the psychological and social significance of communication, focus on communication from the rhetorical perspective, reasoning, advocacy, organization, accuracy; the discovery, critical evaluation and reporting of information; reading, listening, speaking, and writing effectively, provide active participation and practice in written and oral communication.

1. English and Composition (3 units)
___ English 1A
2. Analytical Thinking (3 units)
___ Math 1A, 1B, 2A, 2B, 10A, 10B, 15, 25, 45, 63

Area B. Natural Sciences (3 units for AA - 6 units for AS)

These courses impart knowledge about living and non-living systems, and mathematical concepts and quantitative reasoning with applications. Courses fulfilling this requirement promote understanding and appreciation of the methodologies and tools of science, emphasize the influence of scientific knowledge on the development of civilization, impart appreciation and understanding of basic concepts, not just skills and offer specific inquiry into mathematical concepts, quantitative reasoning and application.

- ___ Biology 10,15, 32, 35, 38
- ___ Chemistry 1A, 1B, 2A, 2B
- ___ Crop Science 1
- ___ Geography 1, 4
- ___ Geology 1, 3
- ___ Physical Science 1
- ___ Psychiatric Technician 12
- ___ Soil Science 21

Area C. Humanities (3 units)

These courses cultivate intellect, imagination, sensibility and sensitivity. They encourage students to respond subjectively as well as objectively and to develop a sense of the integrity of emotional and intellectual responses. Courses fulfilling this requirement study great work of the human imagination, increase awareness and appreciation of the traditional humanistic disciplines such as art, dance, drama, literature and music, impart an understanding of the interrelationship between creative art, the humanities and the self, provide exposure to both Western and non-Western cultures, and include foreign language courses.

- ___ Art 2, 4, 5A, 13A, 15A, 16A, 16B, 42
- ___ English 1B, 25
- ___ Geography 3
- ___ History 4A, 4B
- ___ Humanities 1, 22
- ___ Linguistics 11
- ___ Music 42
- ___ Performing Arts 1, 3, 14
- ___ Philosophy 1, 2, 3
- ___ Political Science 5
- ___ Spanish 1, 2, 3, 4, 11, 12, 51, 52, 53, 54

Area D. Social Science (3 units)

These courses explore, at the micro and macro level, the social, political and economic institutions that underpin society. Courses fulfilling these requirements promote understanding and appreciation of social, political and economic institutions, probe the relationship between these institutions and human behavior, examine these institutions in both their historical and contemporary context, include the role of and impact on, non-white ethnic minorities and women and include both western and non-western settings.

- ___ Administration of Justice 1, 29
- ___ Business 20
- ___ Child Development 5
- ___ Economics 1A, 1B
- ___ Geography 2A, 2B, 3, 18
- ___ History 4A, 4B, 17A, 17B, 32, 34, 44
- ___ Physical Education 29
- ___ Political Science 1, 2, 4, 5, 10, 20
- ___ Psychology 1, 2, 3, 4, 5, 29
- ___ Social Work 20
- ___ Sociology 1, 2, 3

Area E. Local District Requirements

These courses facilitate an understanding of human beings as integrated physiological, social and psychological organisms. Courses fulfilling this requirement provide selective consideration of human behavior, sexuality, nutrition, health, stress, implications of death and dying and the relationship of people to the social and physical environment.

- ___ * Health Education 35 (3 units)
 - ___ **Activity Courses (2 units, if under 21 at graduation) P. E. Activity Courses or PA 25 Activity Course
 - * Any student who has completed more than one year of military service may be granted credit for Health Education 35 (3 units) upon petition.
 - * Any student who has earned a Psychiatric Technician certificate who has not previously received credit in health education may be granted credit for Health Education 35 (3 units) upon petition.
 - * Any student who is a licensed registered nurse or licensed cosmetologist who has not previously received credit in health education may be granted credit for Health Education 35 (3 units) upon petition.
 - ** The physical education activity course requirement is waived for students 21 years of age or older.
- Students completing AA-T and AS-T degrees are not required to complete the local district requirement.

III. Electives:

Elective courses must be completed to reach the total of 60 units required for an associate degree.

IV. Competencies

Reading and Writing

1. Completion of English 1A with a grade of C or higher, or
2. Transferring to West Hills College Coalinga from another accredited college with a C grade or higher in a course equivalent to English 1A.

Mathematics

1. Completion of Mathematics 63 with a grade of C or higher, or
2. Transferring to West Hills College Coalinga from another accredited college with a C grade or higher in a course equivalent to Mathematics 63 or
3. Matriculating from an accredited high school to West Hills College Coalinga with a C grade or higher in a course equivalent to Mathematics 63.

V. Maintain a grade point average of 2.0 overall

VI. Maintain a 2.0 grade point within the major, with all grades of C or higher.

NOTE: While a course might satisfy more than one general education requirement, it may not be counted more than once for these purposes.

Programs of Study

Heavy Equipment Operation

The Heavy Equipment Operation Certificate program is intended to provide students with the skills, understanding and hands-on training needed for an entry-level heavy equipment operation position. The heavy equipment operation focuses on equipment that is common to the agriculture land leveling business and construction industry. Additional skills necessary for job placement are taught, such as surveying, welding, first aid, trade mathematics, computer fundamentals, job preparation and technical report writing.

Heavy Equipment Operation Certificate

A total of 18 units will be required to complete the degree, including 2.5 units of electives.

Course #	Title	Units
HVYEQUI 50	Heavy Equipment Operation	10.5
WT 40	Introduction to Welding	2.0
PE 41	Standard First Aid	0.5
AGMM 52A	Trade Mathematics	1.0
AGMM 52B	Computer Fundamentals	0.5
AGMM 52C	Job Preparation	0.5
AGMM 52D	Technical Report Writing	<u>0.5</u>
	TOTAL major requirements	15.5

In addition to Heavy Equipment major requirements students must complete 2.5 units of electives from the following list:

Course #	Title	Units
WT 41	Intermediate Welding	2.0
AGMM 51	Introduction to Agricultural Manufacturing	0.5
AGMM 53A	Fluid Power Fundamentals	0.5
AGMM 53B	Pneumatic Fundamentals	0.5
AGMM 53C	Hydraulic Fundamentals	0.5
AGMM 54A	Power Transmission	0.5
AGMM 54C	Electrical Fundamentals	<u>0.5</u>
	TOTAL electives	<u>2.5</u>
	TOTAL for Certificate	18

Course Descriptions

Agriculture Business

AGBUS 20 Farm and Agriculture Business Management (3)

Class Hours: 54 Lecture

AGBUS 20 covers the organization and operation of farm and ranch businesses, identification of factors affecting profitability, evaluation of the business for increased efficiency and profit and the application of budgeting to laboratory farm and independent analysis of a farm. (C-ID AG-AB 120L) (AA, CSU)

AGBUS 40 Introductory Agricultural Economics (3)

Class Hours: 54 Lecture P/NP

AGBUS 40 is an introductory study of agricultural economics including the place of agriculture and farming in the economic system; basic economic concepts, and problems of agriculture; pricing and marketing problems, factors of production; and state and federal farm programs affecting the farmer's economic position. (C-ID AG-AB 124L) (AA, CSU, CU)

Agriculture Engineering Technology

AET 10 Surveying (3)

Class Hours: 36 Lecture, 54 Laboratory

AET 10 is an introduction to the selection, care and use of tapes and levels; field observations, note taking and office computations, use of surveying instruments and equipment for land measurement and mapping; practice in differential, profile, and contour leveling; building foundation layout; public lands surveying, legal descriptions, horizontal angles and cost evaluations. (C-ID AG-MA 160L) (AA, CSU, UC)

AET 11 Advanced Surveying with GIS Applications (2)

Class Hours: 18 Lecture, 54 Laboratory

Strongly Recommended Preparation: AET 10 or the equivalent

AET 11 will introduce students to the interface of surveying and GIS with an emphasis on agricultural land management. Topics covered will include collecting field data; processing the data, generating graphical representation of the data, design based on the data, and laying out the design in the field; and available record resources for use in GIS systems and their accuracy. (AA, CSU, UC)

AET 21 Ag-Irrigation Management (3)

Class Hours: 36 Lecture, 54 Laboratory

AET 21 is designed to teach the principles of irrigation system management for dealers, regulators and farmers (or those interested in those areas). Topics such as surface irrigation methods (furrow and border strips) and pressurized systems (micro and sprinklers) are covered. Students will learn when and how much to irrigate; includes sections on evapotranspiration and crop coefficients, practical irrigation scheduling techniques, how irrigation efficiency and uniformity influence irrigation scheduling and salinity effects. The principles and practices of California water delivery will be covered including: plant-soil-moisture relationships and water movement in the soil; water quality, water law, measurement of water; evaluation of irrigation methods, systems, wells and pumps. This course aligns with the Irrigation Association's Certified Irrigation Specialist Program (CAIS). (C-ID AG-PS 140L) (AA, CSU, UC)

Art

ART 16A Survey of Western Art: Pre-history to Proto-renaissance (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG51A or equivalent.

Art 16A is a survey of the arts from the beginning of recorded history to the Renaissance. Additionally, non-Western art and civilizations from the same time period may be covered. (AA, CSU, UC)

ART 16B Survey of Western Art: Renaissance to the Present (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent.

Art 16B is a survey of the Arts from the Proto-Renaissance in Italy through contemporary styles. The course includes a concentrated study of individual artists and their work. (AA, CSU, UC)

Chemistry

CHEM 1A **General Chemistry I** **(5)**

Class Hours: 54 Lecture, 108 Laboratory

Prerequisite: MATH 63 and high school chemistry or the equivalent

Strongly Recommended Preparation: ENG 51A or equivalent.

CHEM 1A will cover the principles of chemistry and their applications including scientific methodology, chemical periodicity, stoichiometry, classical and quantum mechanical atomic and molecular modeling, chemical energetics and spectroscopy, chemical bonding, properties and models of solids, liquids, gases, aqueous solutions, reactions of acids/bases/salts, and aqueous Redox reactions. (AA, CSU, UC)

The Chemistry 1A, 1B sequence is required of all students majoring in chemistry, chemical engineering, engineering sciences, biology, microbiology, and all applied sciences at the University of California, i.e., medicine, pharmacy, veterinary science, nursing, home economics, etc. These courses are acceptable for credit at the University of California and California State University.

CHEM 1B **General Chemistry II** **(5)**

Class Hours: 54 Lecture, 108 Laboratory

Prerequisite: Successful completion of CHEM 1A or equivalent.

CHEM 1B is a continuation of the study of the principles of chemistry with an emphasis on chemical thermodynamics (H, S, G), mechanisms and kinetics, equilibrium, electrochemistry, spectroscopy, nuclear chemistry, introductory organic and biochemical systems and selected elemental chemistries of metals, non-metals and metalloids. The laboratory includes qualitative and instrumental evaluation of selected species and parameters. (AA, CSU, UC)

The Chemistry 1A, 1B sequence is required of all students majoring in chemistry, chemical engineering, engineering sciences, biology, microbiology and all applied sciences at the University of California, i.e., medicine, pharmacy, veterinary science, nursing, home economics, etc. These courses are acceptable for credit at the University of California and California State University

CHEM 2A **Introductory Chemistry** **(4)**

Class Hours: 54 Lecture, 54 Laboratory

Prerequisite: MATH 63 or equivalent.

CHEM 2A is a study of the applied principles of chemistry for the allied science and non-science majors. Included are scientific methodology, composition of matter, physical and chemical changes, bonding, nomenclature, chemical periodicity and reactivity, stoichiometry, states of matter, atomic and molecular modeling, chemical energetics, properties and models of solids, liquids, gases, aqueous solution and Redox reactions, pH, reactions of elements/acids/bases/salts, and a brief introduction to organic chemistry. Material fee \$15.00 (AA, CSU, UC)

The Chemistry 2A, 2B sequence is a state university curriculum requirement for students planning to transfer to majors in agriculture, nursing, home economics, industrial technology, industrial arts and other applied sciences.

CHEM 2B **Introductory Chemistry** **(4)**

Class Hours: 54 Lecture, 54 Laboratory

Prerequisite: CHEM 2A or equivalent.

CHEM 2B is a continuation of the study of the applied principles of chemistry for the allied science and non-science majors. Building upon the principles established in CHEM 2A, the course focuses on applications in Organic and Biochemical Systems. It includes topical coverage of "functional group" characteristics and reactivity (hydrocarbons, aldehydes, ethers, amines, etc.) compound synthesis and characterization, nutrition and the mechanisms of metabolic pathways, biochemical synthesis and energetics, chemical communication, and the chemistry of clinical therapeutics. (AA, CSU, UC)

The Chemistry 2A, 2B sequence is a state university curriculum requirement for students planning to transfer to majors in agriculture, nursing, home economics, industrial technology, industrial arts and other applied sciences.

Child Development

CD 2 **Teaching in a Diverse Society** **(3)**

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or the equivalent

CD 2 will explore the development of social identities in diverse societies including the theoretical and the practical implications. Various classroom strategies will be presented emphasizing culturally and linguistically appropriate anti-bias approaches supporting

all children in becoming competent members of a diverse society. Course includes discussions and self-examination related to social identity, stereotypes and bias, social and educational access, media, and schooling. (AA, CSU)

CD 3 Child Study and Assessment (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent

CD 3 provides experiences using observation and assessment strategies to document children's growth and development. Various scientific techniques will be introduced and utilized to benefit the child, the environmental situations, family and teacher interaction and/or successful referrals to other professionals focusing on children. (AA, CSU)

CD 4 Parenting (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent

CD 4 offers parents and teachers information for understanding parent-child relationships. Students will explore the use of positive parenting skills, assess socially acceptable family values and learn about child development and how it plays a direct part in parenting the child. (AA, CSU)

CD 5 Child Development (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent

CD 5 is the study of the typical and atypical growth and development of the child from conception through adolescence, with a concentration on the first six years of life. Issues concerning the physical, cognitive, emotional and social development of the child will be studied from relevant theoretical positions and investigative research methodologies. There will be an emphasis on interactions between maturational processes and environmental factors. Students will be involved in observing, interviewing, evaluating and applying relevant developmental evaluations. (AA, CSU)

CD 8 Infant Massage (.5)

Class Hours: 9 Lecture

Strongly Recommended Preparation: ENG 51A or the equivalent

CD 8 offers information and practice concerning nurturing touch and communication through the use of infant massage. Among the issues to be discussed will be mutual respect, bonding, infant behaviors and infant stress reduction. The course is designed for parents, parents expecting a newborn and caregivers working in early intervention situations. (AA, CSU)

CD 9 Using Infant Gestures (.5)

Class Hours: 9 Lecture

Strongly Recommended Preparation: ENG 51A or the equivalent

CD 9 offers students and parents information on the use of infant/toddler gestures prior and during the development of verbal language ability and skills. Issues to be addressed in this course will be early childhood language development, listening skills, and communication patterns. Students will have the opportunity to develop and practice their own gesture signs. This course is recommended for parents, infant/toddler caregivers, and caregivers working in early intervention situations with children at risk or with established risks. (AA, CSU)

CD 10 Child, Family and Society (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent

CD 10 is an examination of the developing child in a societal context focusing on the interrelationship of family, school and community, along with emphasis on historical and socio-cultural factors. The processes of socialization and identity development will be highlighted, showing the importance of respectful, reciprocal relationships that support and empower families. Students are required to accomplish 12 hours of volunteer service in their community. (AA, CSU)

CD 11 Young Children with Exceptional Needs (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent

CD 11 will address the needs of exceptional children in the areas of growth and development, identification classification, early intervention strategies, "inclusion" and the facilitation of inclusive learning in early childhood education programs. Information on federal legislation and teacher attitudes and philosophy will be presented. (AA, CSU)

CD 12A Principles and Practices of Early Childhood Education (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or the equivalent

CD 12A includes an examination of theoretical principles of developmental practices as applied to programs, environments, teacher relationships, constructive adult-child interactions, curriculum planning and teaching strategies supporting the physical, emotional, social and cognitive development of young children. Included in this course is information on the early history of early childhood programs, professional practices promoting advocacy, ethics and professional identity. (AA, CSU)

CD 12B Principles and Practices of Early Childhood Education Field Work (3)

Class Hours: 18 Lecture, 108 Laboratory

Prerequisite: Negative TB test

Strongly Recommended Preparation: ENG 51A or the equivalent

CD 12B offers an opportunity to demonstrate developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, to develop professional behaviors and build a comprehensive understanding of children and families. Students will be expanding their knowledge of curriculum content by designing, implementing and evaluating their teaching experiences and the value of their interactions used in the classroom and with the children involved. Both positive and negative experiences will be evaluated and will be used for improvement and validation. (AA, CSU)

CD 14B Administration and Supervision of Children's Programs Fieldwork (3)

Class Hours: 36 Lecture, 54 Laboratory

Strongly Recommended Preparation: ENG 51A or equivalent

CD 14B is a course designed for students that have a firm foundation in child development and have an interest in becoming an administrator of a children's program. This course offers the student an opportunity to design and demonstrate their writing and computer abilities as reflected in assigned projects such as personal portfolios, newsletters, parent education presentations, staff in-services, school policy development and other related assignments. In addition, this course involves the application of administrative knowledge as discussed in Child Development 14A. Students will be given the opportunity to gain administrative experiences in an appropriate community-based children's program. (AA, CSU)

CD 16 Creative Activities (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent

CD 16 presents an overview of knowledge and skills related to providing developmentally appropriate curriculum and environments for young children under the age of six. Content of course will emphasize information on the role of play and its importance in the learning process of young children and other content areas, including but not limited to, language and literacy, social and emotional learning, sensory learning, the performing arts, math and science. Students will use their observational and assessment skills to evaluate the outcomes of curriculum planning. (AA, CSU)

CD 17A Sex Education for Teachers and Parents of Young Children (1)

Class Hours: 18 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent

CD 17A is designed for teachers and parents of children. This course provides basic sex education, which includes the stages of sexual development from prenatal development through adolescence, useful communication skills for adults when talking to children about sexual development and relationships and the influences of media upon children as it pertains to sexuality. (AA, CSU)

CD 18 Health, Safety and Nutrition (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent

CD 18 provides basic information on the laws, regulations, standards, policies and procedures and early childhood curriculum related to child health, safety and nutrition. The key components that ensure physical health, mental health and safety for both children and staff will be identified along with the importance of collaboration with families and health professionals. Emphasis will be on integrating the concepts into everyday planning and program development for all children. (AA, CSU)

CD 20 Child-Centered Guidance (2)

Class Hours: 36 Lecture

CD 20 provides basic information and practice directed towards establishing a child-centered guidance program in the classroom. Conflict resolution and problem-solving behavior of young children are addressed. (AA, CSU)

CD 23 Domestic Violence Recognition and Prevention (1)

Class Hours: 18 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent

CD 23 addresses the recognition of domestic violence in families, its effects upon victims and children, and how knowledge of the subject matter provides a prevention platform. (AA, CSU)

Crop Science

CRPSCI 2 Introduction to Plant Science (2)

Class Hours: 36 Lecture

CRPSCI 2 is designed to provide students with a working knowledge of plant science including structure, growth process, propagation, physiology, growth media, biological competitors and post-harvest factors of food, fiber and ornamental plants. Techniques of research, exploration of plant growth and identification of economical crops will be included. (C-ID AG-PS 104) (AA, CSU, UC)

CRPSCI 6 Introduction to Precision Agriculture (3)

Class Hours: 36 Lecture, 54 Laboratory

Strongly Recommended Preparation: ENG101B or equivalent

CRPSCI 6 provides students with an introduction to precision agriculture. Topics include Global Positioning System (GPS), yield monitoring, site-specific soil sampling, Geographic Information Systems (GIS), remote sensing and variable rate technology. Students will gain hands-on experience using industry-grade GIS software and GPS hardware. (AA, CSU)

CRPSCI 7 Advanced Precision Agriculture (3)

Class Hours: 36 Lecture, 54 Laboratory

Strongly Recommended Preparation: MATH 101 or equivalent

CRPSCI 7 provides an in depth study into precision agriculture, including: vehicle navigation and guidance, remote sensing, yield monitoring, site-specific crop management and variable rate technology. Additional topics include: methods of applying agrichemicals, sprayer calibration, site-specific fertilizer management, soil and tissue testing, integrated pest management and soil amendments. Subjects such as electrical, hydraulics and instrumentation will be covered as they apply to the precision agriculture industry. (AA, CSU)

CRPSCI 19 Water Management (3)

Class Hours: 54 Lecture

CRPSCI 19 is an interdisciplinary examination of California's water use and management with a historical emphasis on the politics and conflict arising from water scarcity. Instruction in the fundamentals of irrigation application and measurement systems will be provided. Included will be a study of the basic irrigation systems: flood, sprinkler, micro, sub-irrigation and their variations. California's water systems and water quality problems will be reviewed. (C-ID AG 116) (AA, CSU)

CRPSCI 32 Weeds and Poisonous Plants (3)

Class Hours: 36 Lecture, 54 Laboratory

CRPSCI 32 is the study of the classification, identification, and life cycle of common and poisonous weeds in California production areas and grasslands and their effects on animals and humans including management practices such as prevention, mechanical, biological and chemical methods. Weeds establishment and chemical resistance will also be discussed. Laboratory required. (C-ID AG-PS 132L) (AA, CSU, UC)

CRPSCI 36 Fertilizers and Soil Amendments (3)

Class Hours: 36 Lecture, 54 Laboratory

CRPSCI 36 is the study of the composition, value, selection, and use of fertilizer materials and soil amendments within the context of soil, plant and fertilizer relationships. Application practices currently being used in California will be discussed. Laboratory required. (C-ID AG-PS 136L) (AA, CSU, UC)

CRPSCI 44 Economic Entomology (3)

Class Hours: 36 Lecture, 54 Laboratory

CRPSCI 44 is the study of the insects and mites of economic importance to agriculture including morphology, taxonomy, identification, life cycles, hosts, habitat relationships and control methods. Collection and labeling of specimens will be required. Laboratory required. (C-ID AG-PS 144L) (AA, CSU, UC)

CRPSCI 45 California Pest Control Laws and Regulations (2)

Class Hours: 36 Lecture

CRPSCI 45 covers the laws and regulations concerning pest control in California. This course is intended to cover the material needed to pass the laws and regulations section for the California Department of Pesticide Regulations Pest Control Adviser examination. (AA, CSU, UC)

CRPSCI 46 Integrated Pest Management (3)

Class Hours: 36 Lecture, 54 Laboratory

CRPSCI 46 studies the origin, history, and management measures for insect, plant pathogen, weed and other pests of field crops, pest biology and life cycles are studied to demonstrate the use of various Integrated Pest Management (IPM) technologies for economic crop production. Pesticide regulations, application, formulations and materials for specific uses are covered. Laboratory required. (C-ID AG-PS 156L) (AA, CSU, UC)

Geography

GEOG 2 World Regional Geography (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG51A or equivalent.

GEOG 2 is a survey of the physical, cultural and economic features of the world's major geographic regions and nations. Special effort will be made to understand how spatial relationships and historical events have influenced regional development. The most revealing features and characteristics of regions will be identified, categorized and evaluated. (AA, CSU, UC)

GEOG 18 Geography of California (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG51A or equivalent.

GEOG 18 provides a general overview of the physical and cultural qualities and conditions that define California as a unique political subdivision of the United States. Topics such as landforms, climate, soils and natural vegetation, along with cultural history and demographics, income, employment and education, immigration and other cultural characteristics are examined as they relate to the entire state in general and to specific regions in particular. (AA, CSU, UC)

Health Science

HS 5 Medical Terminology (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or the equivalent

HS 5 is designed to give students an understanding of terminology used in the medical field. Students will learn to build medical terms by using prefixes, suffixes, roots and stems. Emphasis will be placed on proper spelling, pronunciation and usage of common medical terms and abbreviations. (AA, CSU)

HS 62 Home Health Aide Training (2)

Class Hours: 27 Lecture, 27 Laboratory

Prerequisite: HS 61

HS 62 is a short-term course that builds upon the knowledge, skills and abilities that individuals possess as nursing assistants. Home health aides provide light housekeeping and homemaking tasks including: laundry and bed linen care, meal planning and preparation and assisting with errands and appointments. A combination of theory, skills laboratory and off-campus clinical training prepares the student for the certification examination.)

Interdisciplinary Studies

IS 20 Ensuring Transfer Success (1)

Class Hours: 18 Lecture

Strongly Recommended Preparation: ENG 51A or the equivalent

IS 20 provides in-depth information and assistance with the transfer process to 4-year colleges/universities. It is designed to enable students to actively participate in planning their educational and career goals by providing information about the process and requirements for transferring from a community college to a university. Lower division major and general education requirements,

college/university selection, admission procedures, application deadlines, financial aid and scholarship information will be covered. Use of college catalogs, printed directories and the Internet will be necessary to complete assignments.

IS 55 Ensuring Successful Academic Progress (1)

Class Hours: 18 Lecture

IS 55 provides an overview of the institutional policies and procedures governing students as it relates to academic probation and dismissal. Students will focus on identifying strategies and resources that mitigate the common barriers to student success. This course is designed to empower students to accept responsibility and accountability to stay off academic probation, as well as apply skills and tools to promote educational success.

Kinesiology

KINES 1 Introduction to Kinesiology (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or the equivalent

KINES 1 is an introduction to the professional foundations of physical education, exercise science and sports medicine. Topics covered in the course include the history, philosophy, concepts, programs, qualifications, issues, careers and future of the discipline. (AA, CSU)

Physical Education

Activity Courses

PE 11 Golf (1)

Class Hours: 9 Lecture, 27 Laboratory

PE 11 is designed to provide instruction and practice of the fundamentals of golf, including the swing, use of the club, strategy and etiquette. (AA, CSU, UC)

PE 24 Circuit Training (.5-1)

Class Hours: 27 or 54 Laboratory

PE 24 Circuit Training is an activity class involving a series of weight training stations. The weight trainer performs an exercise at one station and rapidly moves to the next station with little or no rest. (AA, CSU, UC)

Intercollegiate Sports

PE 28A Intercollegiate Softball (3)

Class Hours: 175 Laboratory

Prerequisite: Medical approval from a licensed physician.

PE 28 is designed to provide an introduction to competition in softball at the community college level. (AA, CSU, UC)

PE 31 Intercollegiate Basketball (1.5)

Class Hours: 87.5 Laboratory

Prerequisite: Medical approval from a licensed physician.

PE 31 is designed to provide competition in basketball at the community college level. May be taken six times for credit. (AA, CSU, UC)

PE Theory and Fundamental Courses

PE 32 Fundamentals of Basketball (1)

Class Hours: 9 Lecture, 27 Laboratory

PE 32 is designed to provide instruction and practice in the fundamentals of basketball including dribbling, passing, shooting and basic rules. The course also includes instruction on how to improve skills necessary for students to participate in recreational basketball. May be taken four times for credit. (AA, CSU, UC)

PE 38 Theory of Baseball (1)

Class Hours: 18 Lecture

PE 38 is designed for the student who wishes to enhance and improve collegiate baseball skills involving the philosophy, strategy and theories of baseball at the collegiate level. PE 38 will also enable the student to communicate the proper fundamental skills involved with throwing, fielding, pitching and batting related to different strategical situations. (AA, CSU, UC)

PE 43 Fundamentals of Baseball (1)

Class Hours: 54 Laboratory

PE 43 is designed to provide instruction and practice in the fundamentals of baseball including hitting, pitching, fielding, base running skills, defensive skills and knowledge and interpretation of rules. (AA, CSU)

Political Science

POLSCI 4 Introduction to International Relations (3)

Class Hours: 54 Lecture

Strongly Recommended Preparation: ENG 51A or equivalent

POLSCI 4 will study how nation states interact with each other in an international system, through the use of various governmental organizations nation states will try to gain an advantage over the nation states to become the hegemony. Students analyze theories of international relations, balance of power, and basic concepts of politics around the world. (AA, CSU, UC)

Psychiatric Technician

PSYTEC 91 State Board Review for Psychiatric Technician Students (1.5)

Class Hours: 27 Lecture

Advisory: This course is recommended for students enrolled in or recently completed a Psychiatric Technician Program and submitted their application to take the State Licensure Exam through the Board of Vocational Nurses and Psychiatric Technicians within the next 60 days.

PSYTEC 91 is intended to prepare students with a review of Nursing Science, Developmental Disabilities and Mental Disabilities and provide testing strategies and build student confidence in preparation for the State Licensure Exam for Psychiatric Technicians. (AA)

Soil Science

SLSCI 21 Soils (4)

Class Hours: 54 Lecture, 54 Laboratory

SLSCI 21 is the study of soil derivation, classification and characteristics. Soil use and management including erosion, moisture retention, structure, cultivations, organic matter and microbiology will also be discussed. Laboratory topics include soil type, classification, soil reaction, soil fertility and physical properties of soil. (C-ID AG-PS 128L) (AA, CSU, UC)

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