

Ref Sec Days Time Type/Units Room Instructor

## ACCOUNTING

### **ACCT 105 Accounting Concepts with Quickbooks** **4.00 Units**

Fundamentals of bookkeeping and accounting procedures, including recording transactions in journals and use of controlling accounts and related schedules. Practice in opening, adjusting and closing various professional sets of books. Use of Quickbooks bookkeeping software.

*Associate Degree Applicable*

0002	01	M	07:00p-09:50p	LEC	4.00	LADM-220	Cescolini,D
		ARR	1 HR/WK	LEC		LADM-220	Cescolini,D

### **ACCT 198 Accounting Worksite Learning** **2.00-4.00 Units**

Direct on-the-job experience. Students will develop goals and objectives that demonstrate critical thinking and problem solving skills within the context of a specific discipline/job.

*Associate Degree Applicable*

*Course credit limited transfer to CSU.*

*Contact a counselor for details.*

**PREREQUISITE:** *Completed or currently enrolled in an accounting course*

**COREQUISITES:** *Must be working either paid or unpaid at a job directly related to the student's accounting educational or occupational goal*

0004	01	ARR	10 HRS/WK	WRKEX	2.00	OE2-205	McCormick,K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.							
0006	02	ARR	15 HRS/WK	WRKEX	3.00	OE2-205	McCormick,K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.							
0008	03	ARR	20 HRS/WK	WRKEX	4.00	OE2-205	McCormick,K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.							

### **ACCT 208 Introduction to Financial Accounting** **4.00 Units**

Fundamental concepts and procedures of financial accounting including the use, interpretation and preparation of financial statements. Replaces ACCT 210/211.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

**DEPARTMENTAL RECOMMENDATION:** ACCT 021

0010	02	TTH	07:30a-08:50a	LEC	4.00	BC-104	O'Toole,R
		ARR	1 HR/WK	LEC		BC-104	O'Toole,R
0012	01	M	07:00p-09:50p	LEC	4.00	BC-105	Allison,G
		ARR	1 HR/WK	LEC		BC-105	Allison,G

## Veteran's Services CHC Admissions Office



(Pictured, left to right: Jami Herden, Andrew Elam, & Araceli Rodriguez)

"Without Veteran Administration (VA) benefits, I wouldn't be able to go to college full time," said Araceli Rodriguez, 26, who served five years in the army, including 13 months in Iraq. "Vets need to find out what their benefits are, even if it's just for one class."

When asked about Iraq, Rodriguez responded, "We did an excellent job. We put our lives on the line for everyone's freedom."

Rodriguez is interested in getting into CHC's radiology program.

CHC admissions Technician Steve Rush, who served in the U.S. Army, assists veterans attending CHC.

"The Veteran's Program here at Crafton Hills College is designed to ensure that all veterans, dependents, and spouses of disabled veterans and active national guardsmen and reservists get their Montgomery GI Bill Benefits," Rush said. "I show them what paperwork they need, how to apply for benefits, and what the VA will pay for."

Additionally, veterans are eligible for other types of special benefits and programs such as paid tutoring, a student work study program, and access to counselors who can provide an education plan that lists all the classes required to earn a degree or transfer to a four-year college.

"As a veteran of the U.S. Army who has used his Montgomery GI Bill Benefits here at CHC, I understand the uncertainty a new veteran can feel going from military life back to civilian life," Rush said. "As the VA Certifying Official, I'm sympathetic to the veteran's needs and will do everything in my power to ensure that the men and women who served our country get the education they need."

According to four-year Navy vet Andrew Elam, 24, the Admissions Office was the first place he visited on campus to get started. After visiting the Admissions Office, he went to the Counseling Office for paperwork on the classes he selected.

The VA also helps dependents of disabled veterans.

"As a dependent of a disabled veteran, I'm fortunate to receive benefits for school," said 26-year-old Jami Herden, a sociology major. "I have had a terrific experience with the VA. It has helped me tremendously. Also, I do work study through the veterans program."

For more information on VA benefits for attending college, visit the CHC Admissions Office and talk to Steve Rush.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**ACCT 209 Introduction to Managerial Accounting 4.00 Units**

Fundamental concepts and procedures of managerial accounting including costing systems, cost behavior and analysis, budgeting and performance evaluation. Uses of management accounting information in decision making. Replaces ACCT 220/221.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

**PREREQUISITE:** ACCT 105 or ACCT 208

0014	01	MW	11:00a-12:50p	LEC 4.00	BC-104	O'Toole,R
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## ADMINISTRATION OF JUSTICE

**ADJUS 101 Introduction to Administration of Justice 3.00 Units**

History and philosophy of the administration of justice system in America. A guide through the intricate workings of the police, the courts and corrections systems along with theories of crime, punishment, rehabilitation and restorative justice. Development of skills for cognitive decision making.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) AJ 2*

**DEPARTMENTAL RECOMMENDATION:** Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process

0016	01	M	07:00p-09:50p	LEC 3.00	OE1-120	Pastuschek,S
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**ADJUS 102 Principles and Procedures of the Justice System 3.00 Units**

Study of the United States Constitution and specific areas of criminal procedure, presented primarily through appellate court decisions. Examines how the court decisions interpret the Constitution. Development of cognitive thinking and an ability to reduce the complexity of criminal procedure into straightforward guidelines.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

**DEPARTMENTAL RECOMMENDATION:** Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process

0018	01	MW	08:00a-09:20a	LEC 3.00	OE2-214A	Keller,D
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**ADJUS 103 Concepts of Criminal Law 3.00 Units**

Study of both the general principles that apply to all of criminal law and the specific elements of particular crimes that prosecutors have to prove beyond reasonable doubt.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) AJ 4*

**DEPARTMENTAL RECOMMENDATION:** Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process

0020	01	T	07:00p-09:50p	LEC 3.00	OE1-120	Pastuschek,S
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Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**ADJUS 104 Legal Aspects of Evidence 3.00 Units**

Study of evidentiary rules and United States Supreme Court cases. Examination of issues and development of the ability to analyze evidence and its admissibility in court proceedings.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

**DEPARTMENTAL RECOMMENDATION:** Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process

0022	01	TTH	08:00a-09:50a	LEC 3.00	OE2-214A	Keller,D
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Note: Ref. No. 0022 - 13 week class: 02/12 - 05/15

**ADJUS 105 Community Relations 3.00 Units**

A study of the working practicalities of various effective community, ethnic groups and race relation programs. Facilitate comprehension of the dilemma and problems in regard to community relations and crime statistics analysis. Comprehension of the complex issues and an analysis of various theories geared toward a resolution.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

**DEPARTMENTAL RECOMMENDATION:** Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process

0024	01	W	07:00p-09:50p	LEC 3.00	OE1-120	Pastuschek,S
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**ADJUS 198 Administration of Justice Worksite Learning 2.00-4.00 Units**

Direct on-the-job experience. Students will develop goals and objectives that demonstrate critical thinking and problem solving skills within the context of a specific discipline/job.

*Associate Degree Applicable*

*Course credit limited transfer to CSU.*

*Contact a counselor for details.*

**PREREQUISITE:** Completed or currently enrolled in an administration of justice course

**COREQUISITES:** Must be working either paid or unpaid at a job directly related to the student's administration of justice educational or occupational goal

0026	01	ARR	10 HRS/WK	WRKEX 2.00	OE2-205	McCormick,K
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NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

0028	02	ARR	15 HRS/WK	WRKEX 3.00	OE2-205	McCormick,K
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NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

0030	03	ARR	20 HRS/WK	WRKEX 4.00	OE2-205	McCormick,K
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NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

Ref Sec Days Time Type/Units Room Instructor

**ALLIED HEALTH SERVICES**

**AH 090 Survey of Radiologic Technology 1.50 Units**

Introduction to basic principles and applications of Radiologic Technology and historical development of radiology; orientation to careers in the field.

*Associate Degree Applicable*

0032	01	W	05:00p-06:50p	LEC	1.50	BC-101	Hunter,M Leahy,J
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Note: Ref. No. 0032 - 12 week class: 01/16 - 04/09

**AH 101 Medical Terminology 3.00 Units**

Instruction in the usage, spelling, pronunciation, and meaning of terminology used to describe the human body.

*Associate Degree Applicable  
Course credit transfers to CSU.*

0034	01	MW	01:00p-03:50p	LEC	3.00	CHS-122	Bray,L
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Note: Ref. No. 0034 - 8 week class: 01/14 - 03/19

0036	03	MW	01:00p-03:50p	LEC	3.00	CHS-122	Bray,L
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Note: Ref. No. 0036 - 8 week class: 03/24 - 05/14

0038	02	TTH	07:00p-09:50p	LEC	3.00	CHS-123	Contreras,A
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Note: Ref. No. 0038 - 8 week class: 01/15 - 03/06

0040	04	TTH	07:00p-09:50p	LEC	3.00	CHS-123	Bray,L
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Note: Ref. No. 0040 - 8 week class: 03/18 - 05/08

**AH 198 Allied Health Worksite Learning 2.00-4.00 Units**

Direct on-the-job experience. Students will develop goals and objectives that demonstrate critical thinking and problem solving skills within the context of a specific discipline/job.

*Associate Degree Applicable  
Course credit limited transfer to CSU. Contact a counselor for details.*

**PREREQUISITE:** *Completed or currently enrolled in an allied health course*

**COREQUISITES:** *Must be working either paid or unpaid at a job directly related to the student's allied health educational or occupational goal*

0042	01	ARR	10 HRS/WK	WRKEX	2.00	OE2-205	McCormick,K
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NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

0044	02	ARR	15 HRS/WK	WRKEX	3.00	OE2-205	McCormick,K
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NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

0046	03	ARR	20 HRS/WK	WRKEX	4.00	OE2-205	McCormick,K
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NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

**Fred Smith**  
*CHC 2006 Graduate in Anatomy & Physiology*



"I love helping people," said Anatomy and Physiology graduate Fred Smith. "Getting into the medical field like my mom and being a nurse practitioner will be a great way to help people."

Smith's mom, Jacqueline, was a CHC graduate in 1998, before transferring to Loma Linda University. She later worked in the emergency room, trauma unit, and intensive care.

"She inspired me at a young age to go into the nursing field," he said. "She brought me to work. It seemed fast paced and always interesting."

Smith, 18, was the youngest 2006 graduate. He started taking classes at the college at 15 while attending Redlands East Valley High School.

"At this college, there are plenty of fields allowing you to be a better citizen and person," Smith said. "Crafton has given me the necessary building blocks to achieve a higher level of education. Education is power, and I am strong."

At the CHC 2006 Honors Convocation, which is the college's annual event for recognizing outstanding students, Smith received two scholarships.

"I'm very grateful to the Foundation for these scholarships," he said. "The Foundation scholarships and the Honors Convocation recognize students who have worked hard and put in extra hours to succeed in college. These honors are great encouragement and show us that we're headed in the right direction. It motivates me to work even harder. A university is very expensive, and these scholarship will help."

Smith also thanked his parents for their support in his endeavor.

"Being an African American was very motivating to me," Smith said. "To be a distinguished person is very important for my community. There are many stereotypes, and they are not true. Action speaks louder than words."

"I have seen the sacrifices my parents have made for me," Smith said. "My parents have always instilled in me that with a good education, you can be anybody."

In addition to his educational pursuits, Smith worked as a volunteer with the Ronald McDonald House in Loma Linda. The Ronald McDonald House provides a "home away from home" for families of critically ill children.

Smith is currently continuing his education at Winston-Salem State University in North Carolina.

Boxed sections indicate Short-Term classes.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## AMERICAN SIGN LANGUAGE

### ASL 101 American Sign Language I 4.00 Units

Introduction to American Sign Language as used by the deaf community in the United States. NOTE: This course corresponds to the first year of high school American Sign Language.

*Associate Degree Applicable*

*Course credit limited transfer CSU & UC.*

*Contact a counselor for details.*

*DEPARTMENTAL RECOMMENDATION: ENGL 015*

0048	01	MW	01:00p-02:50p	LEC 4.00	CL-106	Hale,S
0050	02	TTH	09:00a-10:50a	LEC 4.00	LADM-304	Pelletier,A
0052	03	MW	07:00p-08:50p	LEC 4.00	LADM-304	Hale,S

### ASL 102 American Sign Language II 4.00 Units

Continuing introduction to American Sign Language as used by the deaf community in the United States. Note: This course corresponds to the second year of high school American Sign Language.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: ASL 101*

*DEPARTMENTAL RECOMMENDATION: ENGL 015*

0054	02	MW	09:00a-10:50a	LEC 4.00	LADM-304	Pelletier,A
0056	01	TTH	07:00p-08:50p	LEC 4.00	LADM-304	Chavoushi,M

## ANATOMY

### ANAT 101 Essentials of Human Anatomy and Physiology 4.00 Units

Lecture and laboratory course emphasizing the basic structural, functional, and developmental stages of the human body. Introductory survey of the human body in one semester. Essentials of structure and function in each of the eleven body systems covered.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

0058	01	TTH	11:00a-12:20p	LEC 4.00	LADM-224	Jonasson,M
		T	08:00a-10:50a	LAB	LADM-225	Jonasson,M
0060	02	TTH	11:00a-12:20p	LEC 4.00	LADM-224	Jonasson,M
		TH	08:00a-10:50a	LAB	LADM-225	Jonasson,M
0062	05	TTH	11:00a-12:20p	LEC 4.00	LADM-121	Staff
		T	01:00p-03:50p	LAB	LADM-225	Staff
0064	06	TTH	11:00a-12:20p	LEC 4.00	LADM-121	Staff
		TH	01:00p-03:50p	LAB	LADM-225	Staff
0066	03	TTH	05:30p-06:50p	LEC 4.00	LADM-224	Enyinnaya,E
		T	07:00p-09:50p	LAB	LADM-225	Enyinnaya,E
0068	04	TTH	05:30p-06:50p	LEC 4.00	LADM-224	Enyinnaya,E
		TH	07:00p-09:50p	LAB	LADM-225	Enyinnaya,E

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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### ANAT 150 Human Anatomy and Physiology I

**4.00 Units**

This is a lecture and laboratory course emphasizing an advanced understanding of the structural and functional aspects of the human body. This course is the first in a two semester series. The course covers biochemistry, cytology, cellular metabolism, histology, osteology, articulations, myology, and the integumentary, and nervous systems.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) BIOL SEQ B*

0070	01	MW	01:00p-02:20p	LEC 4.00	LADM-224	Jonasson,M
		M	02:30p-05:20p	LAB	LADM-225	Jonasson,M
0072	02	MW	01:00p-02:20p	LEC 4.00	LADM-224	Jonasson,M
		W	02:30p-05:20p	LAB	LADM-225	Jonasson,M

### ANAT 151 Human Anatomy and Physiology II

**4.00 Units**

This is a lecture and laboratory course emphasizing an advanced understanding of the structural and functional aspects of the human body. This course is the second in a two semester series. The course covers hematology, somatic and special senses, the body's nutritional needs, pregnancy and maturation, electrolyte and acid/base balance, and the endocrine, lymphatic, immune, respiratory, cardiovascular, digestive, urinary, and reproductive systems.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) BIOL SEQ B*

*PREREQUISITE: ANAT 150*

0074	01	MW	11:00a-12:20p	LEC 4.00	LADM-224	Jonasson,M
		M	08:00a-10:50a	LAB	LADM-225	Jonasson,M
0076	02	MW	11:00a-12:20p	LEC 4.00	LADM-224	Jonasson,M
		W	08:00a-10:50a	LAB	LADM-225	Jonasson,M
0078	03	MW	05:30p-06:50p	LEC 4.00	LADM-224	Herbert,S
		M	07:00p-09:50p	LAB	LADM-225	Herbert,S
0080	04	MW	05:30p-06:50p	LEC 4.00	LADM-224	Herbert,S
		M	07:00p-09:50p	LAB	LADM-225	Herbert,S

## ANTHROPOLOGY

### ANTHRO 100 Introduction to Archaeology 3.00 Units

A general introduction to the history, objectives, methods and theory of modern archaeology, prehistory and cultural development of human groups, and important archaeological discoveries throughout the world.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) ANTH 6*

*DEPARTMENTAL RECOMMENDATION: Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process*

0084	01	W	07:00p-09:50p	LEC 3.00	CHS-122	Sorensen,K
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Ref Sec Days Time Type/Units Room Instructor

**ANTHRO 102 Cultural Anthropology 3.00 Units**  
Introduction to the nature of human culture through a survey of the range of cultural phenomena of tribal and peasant peoples, linguistics, and other related topics.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
CAN (California Articulation Number) ANTH 4  
DEPARTMENTAL RECOMMENDATION: Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process

0086	01	TTH	01:00p-02:20p	LEC	3.00	LADM-121	Sorensen,K
0088	60	S	08:00a-09:50a	LEC	3.00	BC-101	Sorensen,K
			02/02/08				
		S	08:00a-09:50a	LEC		BC-101	Sorensen,K
			02/23/08				
		S	08:00a-09:50a	LEC		BC-101	Sorensen,K
			03/22/08				
		S	08:00a-09:50a	LEC		BC-101	Sorensen,K
			04/12/08				
		S	08:00a-09:50a	LEC		BC-101	Sorensen,K
			05/03/08				
		ARR	4.15 HRS/WK	LEC			Sorensen,K



Note: Ref. No. 0088 - 13 week class: 02/02 - 05/03 This telecourse includes televised lectures aired weekly on KVCR-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Bookstore Complex Building (BC), Room 101 at CRAFTON HILLS COLLEGE. Please see the Distributed Education section of this schedule for more detailed information.

**ART**

**ART 100 Art History I: Prehistoric Art to Medieval Art 3.00 Units**

Survey of outstanding periods in the history of Western Art, tracing the relationship between the arts and the society which produced them. Required of all art majors and open to non-art majors.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
CAN (California Articulation Number) ART 2  
CAN (California Articulation Number) ART SEQ A

0090	01	TTH	09:30a-10:50a	LEC	3.00	CHS-242	Blalock,A
0092	02	T	07:00p-09:50p	LEC	3.00	CHS-242	Acquistapace,K

**ART 102 Art History II: Renaissance Art to Modern Art 3.00 Units**

Survey of the arts and history in Western Europe from Renaissance to the Twentieth Century. Required of all art majors and open to non-art majors.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
CAN (California Articulation Number) ART 4  
CAN (California Articulation Number) ART SEQ A

0094	01	MW	03:00p-04:20p	LEC	3.00	LADM-224	Acquistapace,K
0096	70	ARR	3.00 HRS/WK	LEC	3.00		Petrovic,S

Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).  
Instructor email address: spetrovic@craftonhills.edu.

Ref Sec Days Time Type/Units Room Instructor

**ART 105 History of Modern Art 3.00 Units**  
Survey of twentieth century art, touching on its historical roots and examining contemporary art as a manifestation of our social and environmental milieu.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
DEPARTMENTAL RECOMMENDATIONS: ART 100 and ART 102

0098	01	M	10:00a-01:50p	LEC	3.00	OE1-130	Petrovic,S
							Note: Ref. No. 0098 - 14 week class: 02/04 -05/12
							NOTE: Students enrolled in this section may elect to take this course for honors credit.

**ART 120X4 Basic Design 3.00 Units**

Progressive exploration of both the spontaneous and the developmental creative process; discovery and development of resources necessary to visual communication; access to tools and experiences necessary for visual literacy.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
Note: ART 120X4 may be taken 4 times

0100	01	TTH	02:00p-02:50p	LEC	3.00	OE1-101	Staff
		TTH	03:00p-04:50p	LAB		OE1-101	Staff

**ART 126X4 Painting 3.00 Units**

Exploration of concepts, techniques, and materials of painting.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
CAN (California Articulation Number) ART 10  
Note: ART 126X4 may be taken 4 times

0102	01	MW	04:00p-04:50p	LEC	3.00	OE1-101	Fontaine,S
		MW	05:00p-06:50p	LAB		OE1-101	Fontaine,S

**ART 132X4 Life Drawing 3.00 Units**

Progressive study of the qualities of the human figure, including an overview of anatomy in relation to figure drawing, graphic interpretation of the human figure, including contour, gesture and volume drawings.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
CAN (California Articulation Number) ART 24  
Note: ART 132X4 may be taken 4 times

0104	01	MW	11:00a-11:50a	LEC	3.00	OE1-101	Blalock,A
		MW	12:00p-01:50p	LAB		OE1-101	Blalock,A
0106	02	TTH	06:00p-06:50p	LEC	3.00	OE1-101	Blatter,R
		TTH	07:00p-08:50p	LAB		OE1-101	Blatter,R

**ART 202X4 Intermediate Topics in Painting 2.00 Units**

Intensive painting studies with the emphasis in portrait, figurative narrative, landscape or abstract expressions.

*Associate Degree Applicable*  
*Course credit transfers to CSU.*  
Note: ART 202X4 may be taken 4 times  
PREREQUISITE: ART 126X4 and ART 132X4

0108	01	TTH	11:00a-11:50a	LEC	2.00	OE1-101	Petrovic,S
		TTH	12:00p-01:50p	LAB		OE1-101	Petrovic,S
							Note: Ref. No. 0108 - 9 week class: 01/14 - 03/20

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## ASTRONOMY

### ASTRON 150 Introduction to Astronomy 3.00 Units

Introduction to the ideas, concepts, and theories of astronomy including celestial motion, properties and evolutions of the solar system, stars, galaxies, and cosmology.

Associate Degree Applicable

Course credit transfers to both CSU and UC.

DEPARTMENTAL RECOMMENDATION: PHYSIC 100

0114	01	MWF	10:00a-10:50a	LEC 3.00	LADM-121	Adams,M
0116	60	W	07:00p-08:50p	LEC 3.00	LADM-121	Thurman,L
			01/30/08			
		W	07:00p-08:50p	LEC	LADM-121	Thurman,L
			03/19/08			
		W	07:00p-08:50p	LEC	LADM-121	Thurman,L
			04/09/08			
		W	07:00p-08:50p	LEC	LADM-121	Thurman,L
			04/30/08			
		W	07:00p-08:50p	LEC	LADM-121	Thurman,L
			05/21/08			
		ARR	3.00 HRS/WK	LEC		Thurman,L



Note: Ref. No. 0116 - 16 week class: 01/30 - 05/21

This telecourse includes televised lectures aired weekly on KVCR-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Lab/ Administration Building (LADM), Room 121 at CRAFTON HILLS COLLEGE. Please see the Distributed Education section of this schedule for more detailed information.

### ASTRON 160 Astronomy Laboratory 1.00 Units

Laboratory work to supplement ASTRON 150: identification of stars and star types, discussion of astronomical methods of observation, and additional work with the telescope and accessories. A one-evening lunar photography lab will be required.

Associate Degree Applicable

Course credit transfers to both CSU and UC.

COREQUISITE: ASTRON 150

0118	01	M	01:00p-03:50p	LAB 1.00	LADM-112	Adams,M
0120	02	T	11:00a-01:50p	LAB 1.00	LADM-112	Adams,M Hughes,B
0122	03	T	02:00p-04:50p	LAB 1.00	LADM-112	Hughes,B
0124	04	W	01:00p-03:50p	LAB 1.00	LADM-112	Adams,M
0126	05	TH	11:00a-01:50p	LAB 1.00	LADM-112	Adams,M

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## BIOLOGY

### BIOL 100 General Biology 4.00 Units

Study of the biological principles including those in cellular biology, human anatomy and physiology, animal and plant structure and function, genetics, evolution, and ecology.

Associate Degree Applicable

Course credit transfers to both CSU and UC.

0128	01	MW	11:00a-12:20p	LEC 4.00	CHS-122	Greyraven,C
		M	01:00p-03:50p	LAB	LADM-211	Greyraven,C
0130	02	MW	11:00a-12:20p	LEC 4.00	CHS-122	Greyraven,C
		W	01:00p-03:50p	LAB	LADM-211	Greyraven,C
0132	03	TTH	11:00a-12:20p	LEC 4.00	CHS-122	Greyraven,C
		T	01:00p-03:50p	LAB	LADM-211	Greyraven,C
0134	04	TTH	11:00a-12:20p	LEC 4.00	CHS-122	Greyraven,C
		TH	01:00p-03:50p	LAB	LADM-211	Greyraven,C
0136	05	MW	05:30p-06:50p	LEC 4.00	CHS-122	Vanderfin,T
		M	07:00p-09:50p	LAB	LADM-211	Vanderfin,T
0138	06	MW	05:30p-06:50p	LEC 4.00	CHS-122	Vanderfin,T
		W	07:00p-09:50p	LAB	LADM-211	Vanderfin,T
0140	07	TTH	05:30p-06:50p	LEC 4.00	CHS-122	Wekesa,J
		T	07:00p-09:50p	LAB	LADM-211	Wekesa,J
0142	08	TTH	05:30p-06:50p	LEC 4.00	CHS-122	Wekesa,J
		TH	07:00p-09:50p	LAB	LADM-211	Wekesa,J

### BIOL 123 Ecology and Environment 3.00 Units

Study of the basic concepts of ecology including the physical environment, ecosystems, energy production and transfer, and the impact of humans on ecosystems.

Associate Degree Applicable

Course credit transfers to both CSU and UC.

0144	60	W	07:00p-08:50p	LEC 3.00	LADM-224	Jonasson,M
			01/16/08			
		W	07:00p-08:50p	LEC	LADM-224	Jonasson,M
			02/27/08			
		W	07:00p-08:50p	LEC	LADM-224	Jonasson,M
			03/26/08			
		W	07:00p-08:50p	LEC	LADM-224	Jonasson,M
			04/16/08			
		W	07:00p-08:50p	LEC	LADM-224	Jonasson,M
			05/07/08			
		ARR	3.38 HRS/WK	LEC		Jonasson,M



Note: Ref. No. 0144 - 16 week class: 01/16 - 05/07

This telecourse includes televised lectures aired weekly on KVCR-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Lab/Administration Building, Room 224 at CRAFTON HILLS COLLEGE. Please see the Distributed Education section of this schedule for more detailed information.

Instruction Begins  
January 14, 2008

Boxed sections indicate Short-Term classes.

Ref Sec Days Time Type/Units Room Instructor

**BIOL 131 Populations and Organisms 4.00 Units**

Study of classification, development, physiology and regulation at the level of the organism. Topics include population dynamics, community ecology, evolution and population genetics.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) BIOL 4*

*PREREQUISITE: MATH 095 or eligibility for MATH 102 as*

*determined through the Crafton Hills College assessment process*

0146 01 T 08:00a-10:50a LEC 4.00 LADM-211 Juma, L  
TH 08:00a-10:50a LAB LADM-211 Juma, L

NOTE: Students enrolled in this section may elect to take this course for honors credit.

**BUSINESS ADMINISTRATION**

**BUSAD 100 Introduction to Business 3.00 Units**

Survey of the field of business; provides a background in business and serves as the basic beginning college course in business subjects.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATIONS: ENGL 015; Reading:*

*Pass a standardized test of reading comprehension at or above the 12th grade level*

0148 01 MWF 09:00a-09:50a LEC 3.00 BC-104 O'Toole,R  
0150 02 TTH 11:00a-12:20p LEC 3.00 BC-104 O'Toole,R  
0152 03 W 07:00p-09:50p LEC 3.00 BC-104 Ng,C

**BUSAD 145 Business Communication 4.00 Units**

Principles and techniques of effective oral and written communication in business environments.

*This course is also offered as SPEECH-145.*

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*PREREQUISITE: ENGL 914 or eligibility for ENGL 015 as*

*determined through the Crafton Hills College assessment process*

0154 01 TTH 07:00p-08:50p LEC 4.00 BC-104 Newman,R

Priority Web/Telephone Registration for  
EOPS, DSP&S, and CaWORKs students

October 31-November 2, 2007

Priority Web/Telephone Registration

November 5, 2007-January 13, 2008

**CHC Respiratory Care Program**



2007 Respiratory Care Class

Crafton Hills College (CHC) Respiratory Care Professor and Program Director Ken Bryson oversees one of the finest respiratory care programs in the state.

"CHC's Respiratory Care Program is a fully accredited program, and our students have one of the highest first-time pass rates nationally for the Respiratory Care Board exams," Bryson said. "We have excellent clinical facilities, and all of our staff are Registered Respiratory Therapists."

Six years ago, the CHC Respiratory Care Program earned one of the first 10-year accreditations from the Committee on Accreditation for Respiratory Care.

The CHC Respiratory Care Program is designed to prepare individuals to practice respiratory care at either the entry level as a Certified Respiratory Therapist (CRT) or an advanced level as a Registered Respiratory Therapist (RRT).

According to Bryson, students graduating from CHC's Certified Respiratory Therapist program can expect to earn \$40,000 to \$50,000 per year in California. Students graduating from CHC's Registered Respiratory Therapist program can expect to earn from \$50,000 to \$65,000 per year in California.

Respiratory Care is the allied health profession that cares for patients with deficiencies and abnormalities of the cardiopulmonary systems. Conditions often requiring respiratory care include asthma, emphysema, chronic obstructive pulmonary disease, pneumonia, cystic fibrosis, respiratory distress syndrome, and conditions caused by trauma.

"The instructors at CHC are excellent," said CHC respiratory care graduate Billy Harris. "Each one of them has been in the field of respiratory care for more than 20 years. Also, the students are required to do a lot of clinical rotations in the hospitals. There are going to be things in real life that don't always follow the book."

The CHC Respiratory Care Program is affiliated with Redlands Community Hospital, Jerry L. Pettis Memorial Medical Center, Riverside Community Hospital, Riverside County Regional Medical Center, St. Bernardine Medical Center, Totally Kids Specialty Healthcare, Arrowhead Regional Medical Center, and Loma Linda University Medical Center.

For more information about the program, call (909) 389-3286 or (909) 389-3284. The college's web site is: [www.craftonhills.edu](http://www.craftonhills.edu)

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## BUSINESS ADMINISTRATION

### BUSAD 198 Business Administration Worksite Learning 2.00-4.00 Units

Direct on-the-job experience. Students will develop goals and objectives that demonstrate critical thinking and problem solving skills within the context of a specific discipline/job.

*Associate Degree Applicable*

*Course credit limited transfer to CSU. Contact a counselor for details.*

**PREREQUISITE:** Completed or currently enrolled in a business administration course

**COREQUISITES:** Must be working either paid or unpaid at a job directly related to the student's business administration educational or occupational goal

0156	01	ARR	10 HRS/WK	WRKEX 2.00	OE2-205	McCormick, K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.						
0158	02	ARR	15 HRS/WK	WRKEX 3.00	OE2-205	McCormick, K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.						
0160	03	ARR	20 HRS/WK	WRKEX 4.00	OE2-205	McCormick, K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.						

### BUSAD 200 Business Management 3.00 Units

Concepts and applications of successful functions including planning, organizing, controlling, and staffing. Current applications are examined and evaluated through media support and computer simulation.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

**DEPARTMENTAL RECOMMENDATION:** Pass BUSAD 100 or the equivalent

0162	01	W	07:00p-09:50p	LEC 3.00	BC-105	Abu-Shabakeh, A
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### BUSAD 210 Business Law 3.00 Units

Principles of law and use of cases as applied to business, and specifically to contracts, principal and agent, employment, negotiable instruments, principal and surety, insurance, bailments, sales partnerships, corporations, security devices, trusts and estates and governmental regulations.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

**CAN (California Articulation Number) BUS 8**

**DEPARTMENTAL RECOMMENDATIONS:** ENGL 015; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level

0164	01	M	07:00p-09:50p	LEC 3.00	BC-104	Schall, D
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Ref	Sec	Days	Time	Type/Units	Room	Instructor
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### BUSAD 230 Using Computers for Business 3.00 Units

Introduction to computer and information technology. Includes an overview and the use of computer software including word processing, spreadsheets, presentation applications and databases. No previous computer experience is required.

*This course is also offered as CIS-101.*

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

0166	01	M	07:00p-09:50p	LEC 3.00	LADM-101	Cole, E
NOTE: This course is also offered as CIS 101, Introduction to Computer and Information Technology.						

## CHEMISTRY

### CHEM 101 Introduction to Chemistry 4.00 Units

A one-semester course introducing the study of matter and its properties. Topics include atomic structure, bonding, nomenclature, stoichiometry, chemical reactions, periodic table and organic chemistry. Includes a laboratory component that emphasizes concepts discussed in lecture.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*Limited transfer to UC; contact a counselor for details.*

**CAN (California Articulation Number) CHEM 6**

**PREREQUISITE:** MATH 090 or eligibility for MATH 095 as determined through the Crafton Hills College assessment process

0168	01	MWF	10:00a-10:50a	LEC 4.00	CHS-242	Salt, K
		M	11:00a-01:50p	LAB	CHS-238	Boebinger, K
0170	02	MWF	10:00a-10:50a	LEC 4.00	CHS-242	Salt, K
		F	11:00a-01:50p	LAB	CHS-238	Boebinger, K
0172	03	TTH	07:30a-08:50a	LEC 4.00	CHS-242	Boebinger, K
		T	09:00a-11:50a	LAB	CHS-238	Boebinger, K
0174	04	TTH	07:30a-08:50a	LEC 4.00	CHS-242	Boebinger, K
		TH	09:00a-11:50a	LAB	CHS-238	Boebinger, K
0176	05	MW	05:30p-06:50p	LEC 4.00	CHS-242	Kimbrough, P
		M	07:00p-09:50p	LAB	CHS-238	Kimbrough, P
0178	06	MW	05:30p-06:50p	LEC 4.00	CHS-242	Kimbrough, P
		W	07:00p-09:50p	LAB	CHS-238	Kimbrough, P

### CHEM 102 Introduction to Organic Chemistry 4.00 Units

A one-semester course introducing the study of organic compounds. Topics include structure, nomenclature, properties, reactions, synthesis and biochemistry. Includes a laboratory component that emphasizes concepts discussed in lecture.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*Limited transfer to UC; contact a counselor for details.*

**CAN (California Articulation Number) CHEM 8**

**PREREQUISITE:** CHEM 101 or CHEM 150

0180	01	MW	09:00a-10:20a	LEC 4.00	CHS-237	Boebinger, K
		W	10:30a-01:20p	LAB	CHS-238	Boebinger, K

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**CHEM 150 General Chemistry I 5.00 Units**

First semester of a year-long sequence. Topics include atomic structure, bonding, nomenclature, stoichiometry, chemical reactions, enthalpy and the periodic table.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) CHEM 2*

*CAN (California Articulation Number) CHEM SEQ A*

*PREREQUISITE: MATH 095 or eligibility for MATH 102 as*

*determined through the Crafton Hills College assessment process*

0182	01	TTH	11:00a-12:20p	LEC 5.00	CHS-242	Salt,K
			08:00a-10:50a	LAB	CHS-232	Salt,K
0184	02	TTH	11:00a-12:20p	LEC 5.00	CHS-242	Salt,K
			12:30p-03:20p	LAB	CHS-232	Salt,K
0186	03	TTH	11:00a-12:20p	LEC 5.00	CHS-242	Salt,K
		MW	11:00a-01:50p	LAB	CHS-232	Salt,K

**CHEM 151 General Chemistry II 5.00 Units**

Continuation of CHEM 150. Topics include kinetics, equilibrium, acids and bases, thermodynamics, electrochemistry, nuclear reactions and chemistry of coordination compounds.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) CHEM 4*

*CAN (California Articulation Number) CHEM SEQ A*

*PREREQUISITE: CHEM 150*

0188	01	MWF	09:00a-09:50a	LEC 5.00	CHS-242	Salt,K
			08:00a-10:50a	LAB	CHS-232	Salt,K
0190	02	MWF	09:00a-09:50a	LEC 5.00	CHS-242	Salt,K
			12:30p-03:20p	LAB	CHS-232	Salt,K
0192	03	MWF	09:00a-09:50a	LEC 5.00	CHS-242	Salt,K
		MW	11:00a-01:50p	LAB	CHS-232	Salt,K

**CHEM 213 Organic Chemistry II 4.00 Units**

Second semester of a two semester organic chemistry sequence. Study of modern organic chemistry including structure, nomenclature, reactivity, synthesis, and reaction mechanisms. Lab techniques of purification, isolation, synthesis reactions, and spectroscopic analysis.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: CHEM 212*

0194	01	MW	07:30a-08:50a	LEC 4.00	CHS-237	Boebinger,K
		F	07:30a-10:20a	LAB	CHS-238	Boebinger,K

Since there are often changes in faculty schedules, please check the online schedule at [www.craftonhills.edu](http://www.craftonhills.edu) for current faculty assignments.

## 2007-2008 Crafton Hills College Associated Students



At CHC, students have extracurricular opportunities to explore their interest in student government and student clubs. The CHC Associated Students (AS) comprise the representative body for students in the governance of the college and San Bernardino Community College District.

In the fall, newly elected senators to the Crafton Hills College (CHC) Associated Students (AS) took the oath of office during the CHC annual inauguration ceremony at the college.

CHC 2007-2008 Associated Student Body members, their titles, and hometowns are, front row, left to right, Victor Cisneros, treasurer, Riverside; Marina Serna, editor-in-chief, newspaper editor, Redlands; Arcadio Torres, president, Yucaipa; Ericka Paddock, advisor, San Bernardino; Moises Valencia, secretary, Redlands. In the back row are, left to right, Seth Pro, student trustee, Blue Jay; Brittany Marano, social chair, Crestline; Diva Macseng, vice president, academic affairs, Loma Linda; Kyle Fodness, executive vice president, Yucaipa. Not pictured: Jade Stevens, senator-at-large, Redlands; Steven Larson, vice president, external affairs, Yucaipa; Sarah May, historian, Redlands; Emerson Terry, diversity chair, Redlands.

In addition to the CHC AS, student clubs at Crafton include the Alpha Gamma Sigma Honor Society, the Arts League, the Child Development Education Club, the Composers Collective, the English Club, the Math Club, Phi Beta Lambda (Business Club), the Psychology Club, the Sociology Club, Beta II (Respiratory Care Club), and Terrestrial Investigation Club (geology). For information about student government and clubs, call the CHC Department of Student Life at (909) 389-3410.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## CHILD DEVELOPMENT

### CD 105 Child Growth and Development 3.00 Units

Study of human development from conception through adolescence within cultural and family contexts. Examination of cognitive, physical, social and emotional development. Observational study of children.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

0196	01	MWF	09:00a-09:50a	LEC 3.00	CDC-115	McLaren,M
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0198	02	TTH	11:00a-12:20p	LEC 3.00	CDC-115	McLaren,M
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0200	03	TTH	01:00p-02:50p	LEC 3.00	CDC-115	McLaren,M
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Note: Ref. No. 0200 - 13 week class: 02/12 - 05/15

0202	04	TH	07:00p-09:50p	LEC 3.00	CDC-115	Wilcox-Herzog,A
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0204	05	F	04:00p-05:50p	LEC 3.00	SBVC-SBVC	Barnett,K 01/18/08
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		F	04:00p-05:50p	LEC	SBVC-SBVC	Barnett,K 02/22/08
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		F	04:00p-05:50p	LEC	SBVC-SBVC	Barnett,K 03/07/08
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		F	04:00p-05:50p	LEC	SBVC-SBVC	Barnett,K 04/04/08
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		F	04:00p-05:50p	LEC	SBVC-SBVC	Barnett,K 05/02/08
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		ARR	3 HRS/WK	LEC		Barnett,K
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This telecourse includes televised lectures aired weekly on KVCR-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Chemistry Building, Room 129 at SAN BERNARDINO VALLEY COLLEGE in San Bernardino. Please see the Distributed Education section of this schedule for more detailed information.

### CD 115 Health, Welfare, and Nutrition for Children 3.00 Units

Training in health, nutrition, disaster preparedness, for children or children with special needs, child abuse identification and prevention, caring for the mildly ill child.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*DEPARTMENTAL RECOMMENDATION: CD 105*

0206	01	T	06:30p-09:20p	LEC 3.00	CDC-115	McLaren,M
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### CD 126 Child, Family and Community 3.00 Units

Examines the effects of family and community on a child's development. Interaction between children, family, school, peers, media and community are explored.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*DEPARTMENTAL RECOMMENDATION: CD 105*

0208	01	MW	11:00a-12:20p	LEC 3.00	CDC-115	Jones,M
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Ref	Sec	Days	Time	Type/Units	Room	Instructor
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### CD 130 Music and Movement for Children 3.00 Units

Study of music and movement growth and development of children. Philosophy, theory, techniques and application of musical concepts used with children are explored. Planning and facilitating music movement of experiences with children.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*DEPARTMENTAL RECOMMENDATION: CD 105*

0210	01	W	06:00p-08:50p	LEC 3.00	CDC-106	McLaren,M
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### CD 132 Creative Experiences for Children Across the Curriculum 3.00 Units

In-depth study of creativity in children, including the rationale for creative development. Philosophy and theories of the general humanities are investigated, including art, music, movement and drama as facilitators for developing basic skills, human interaction and aesthetic appreciation in children. Emphasis on preparing developmentally appropriate creative experiences for children.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*DEPARTMENTAL RECOMMENDATION: CD 105*

0212	01	M	05:00p-07:50p	LEC 3.00	CDC-115	Abel,S
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### CD 134 Language and Listening, Literacy and Literature for Children 3.00 Units

Study and application of whole language, listening, literacy and literature experiences for children.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*DEPARTMENTAL RECOMMENDATION: CD 105*

0214	01	TTH	11:00a-12:20p	LEC 3.00	CDC-106	Jones,M
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### CD 198 Child Development Worksite Learning 2.00-4.00 Units

Direct on-the-job experience. Students will develop goals and objectives that demonstrate critical thinking and problem solving skills within the context of a specific discipline/job.

*Associate Degree Applicable*

*Course credit limited transfer to CSU. Contact a counselor for details.*

*PREREQUISITE: Completed or currently enrolled in a child development course*

*COREQUISITES: Must be working either paid or unpaid at a job directly related to the student's child development educational or occupational goal*

0216	01	ARR	10 HRS/WK	WRKEX 2.00	OE2-205	McCormick,K
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NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

0218	02	ARR	15 HRS/WK	WRKEX 3.00	OE2-205	McCormick,K
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NOTE: Students must attend ONE class meeting. Chose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

0220	03	ARR	20 HRS/WK	WRKEX 4.00	OE2-205	McCormick,K
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NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

Ref Sec Days Time Type/Units Room Instructor

**CD 205X2 Child Growth and Development Laboratory 4.00 Units**

Supervised participation in a group program for preschool children in an early childhood setting. Emphasis on curriculum planning, discipline and guidance techniques, classroom management and fostering cooperative relationships.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*Note: CD 205X2 may be taken 2 times*

**PREREQUISITE:** CD 105

**DEPARTMENTAL RECOMMENDATIONS:** CD 132, CD 250, and ENGL 101

0222	01	T	05:00p-06:20p	LEC	4.00	CDC-115	Jones,M
		ARR	7.5 HRS/WK	LAB		CDC-115	Jones,M

**CD 211 Observation and Methods in School-Age Development 2.00 Units**

Introduction to observational methodologies and techniques used in the study of school age children and their behavior. Students will observe, record, analyze and interpret school age children and their behavior.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

**PREREQUISITE:** CD 105

**DEPARTMENTAL RECOMMENDATION:** ENGL 101

0224	01	W	05:00p-05:50p	LEC	2.00	CDC-115	Jones,M
		ARR	3 HRS/WK	LAB		CDC-115	Jones,M

**CD 212 Observation and Methods in Early Child Development 2.00 Units**

Introduction to observational methodologies and techniques used in early childhood behavior. Students will observe, record, analyze and interpret early child behavior.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

**PREREQUISITE:** CD 105

**DEPARTMENTAL RECOMMENDATION:** ENGL 101

0226	01	W	05:00p-05:50p	LEC	2.00	CDC-115	Jones,M
		ARR	3 HRS/WK	LAB		CDC-115	Jones,M

**CD 295 Elementary Laboratory 3.00 Units**

Supervised experience and participation in an elementary school setting including both K-3 and 4-6 classroom environments. Emphasis on understanding the role of the elementary school teacher, instructional methods, curriculum as it relates to grade level state standards, aiding literacy development, cooperative relationships with staff, parents, children and professional ethics of teaching.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

**DEPARTMENTAL RECOMMENDATION:** CD 105

0228	01	W	06:00p-06:50p	LEC	3.00	CDC-115	Jones,M
		ARR	6 HRS/WK	LAB		CDC-115	Jones,M

*Professors of the Year 2006-2007*



**(Left to Right: Diane Pfahler, Ray Gonzales, and Debbie Bogh)**

Faculty selected Counselor Debbie Bogh and Psychology Instructor Diane Pfahler as the full-time 2006-2007 Professors of the Year, and Spanish Instructor Ray Gonzalez as the 2006-2007 part-time Professor of the Year.

"Counseling is a satisfying career because I get to work everyday with individuals who are making positive changes in their lives while they are pursuing their education," Bogh said. "My task is to take the mystery out of the educational process by helping students access and understand the resources and information available to them."

Bogh has worked as counselor at CHC for three years, and before that, she worked as a counselor at Redlands Adult School for four years.

Fellow Professor of the Year, Diane Pfahler, who has worked as a full-time psychology instructor at CHC for two years and at San Bernardino Valley College for 10 years, believes community colleges play a significant role in the educational process.

"As an educator within this system, I believe my job is to encourage curiosity, develop critical thinking skills, promote knowledge and skill acquisition, and to assist students, regardless of personal challenges, to achieve optimal potential," she said. "Teaching psychology allows for all of those learning processes to occur as psychology is the study of all aspects of people's lives."

With the constant onslaught of new discoveries and new knowledge in the world, Pfahler is aware that it is possible for "facts" to become outdated, sometimes even before students graduate.

"Therefore, my goals include providing students with the ability to know what questions to ask and the ability to be able to recognize the resources available," she said.

Part-time Spanish Instructor Ray Gonzalez worked as a full-time Spanish instructor at CHC for 30 years. He has been working as a part-time instructor for four years.

"I love teaching," Gonzalez said. "I keep my students involved. They are not passive; they participate."

"I enjoy working around young people," he added. "Teaching has kept me young. It's always a joy to see their success, especially when they exceed the success of their teacher in their lives."

"Those students who never forget you add meaning to what you do. It's one of the tangible things you see. My main focus was never money, it was teaching."

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## COMPUTER INFORMATION SYSTEMS

### IMPORTANT NOTES:

(1) CIS-062 is an online course with no on-campus meetings. Please see the Distributed Education section of this schedule for more detailed information.

(2) The instructor can be reached at cpequeno@craftonhills.edu

(3) Participation in this class requires that a student has access to a computer that is connected to the Internet.

### CIS 062 Introduction to Online Learning 1.00 Units

Introduction to online learning with an emphasis on the skills necessary to become a successful online learner. Note: This course should be taken before enrolling in an online course.

*Graded on Credit/No Credit basis only.*

*Associate Degree Applicable*

0236	01	ARR	9 HRS/WK	LEC 1.00		Pace-Pequeno,C
Note: Ref. No. 0236 - 2 week class: 01/14 - 01/27						
0238	02	ARR	9 HRS/WK	LEC 1.00		Pace-Pequeno,C
Note: Ref. No. 0238 - 2 week class: 02/04 - 02/17						
0240	03	ARR	9 HRS/WK	LEC 1.00		Pace-Pequeno,C
Note: Ref. No. 0240 - 2 week class: 02/22 - 03/09						

### CIS 101 Introduction to Computer and Information Technology 3.00 Units

Introduction to computer and information technology. Includes an overview and the use of computer software including word processing, spreadsheets, presentation applications and databases. No previous computer experience is required.

*This course is also offered as BUSAD-230.*

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) CSCI 2*

0242	05	MWF	08:00a-08:50a	LEC 3.00	LADM-216	Hoyt,D
0244	02	MW	09:00a-10:20a	LEC 3.00	LADM-216	Davenport,M
0246	03	MW	11:00a-12:20p	LEC 3.00	LADM-216	Davenport,M
0248	06	TTH	09:00a-10:20a	LEC 3.00	LADM-216	Pace-Pequeno,C
0250	07	TTH	01:00p-02:20p	LEC 3.00	LADM-216	Davenport,M
0252	04	MW	05:00p-06:50p	LEC 3.00	LADM-216	Cole,E
Note: Ref. No. 0252 - 13 week class: 02/11 - 05/14						
0254	01	M	07:00p-09:50p	LEC 3.00	LADM-101	Cole,E
0256	08	TH	07:00p-09:50p	LEC 3.00	LADM-101	Papp,E

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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### CIS 105 Database Concepts and Design 3.00 Units

Fundamentals of database concepts and design. Includes coverage of entity relationship diagrams, normalizing, and SQL.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*PREREQUISITE: CIS 101*

0258	01	W	07:00p-09:50p	LEC 3.00	LADM-216	Pace-Pequeno,C
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### CIS 111 Web Page Programming and Design 3.00 Units

Web page design and implementation. Coverage of the planning process, design issues and coding of web pages.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

0260	01	MW	05:30p-06:50p	LEC 3.00	LADM-220	Romano,N
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### CIS 113 Java and J++ Programming 3.00 Units

Introduction to Java/ J++ programming language. Includes program design, development and implementation.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

0262	01	TTH	11:00a-12:20p	LEC 3.00	LADM-216	Davenport,M
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### CIS 116 C++ Programming II 3.00 Units

An advanced study of the syntax and semantics of the C++ programming language and the methodology of Object-Oriented program development.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: CIS 114*

0264	01	W	07:00p-09:50p	LEC 3.00	LADM-220	Davenport,M
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### CIS 118 Web Site Management 3.00 Units

Introduction to Web site management and security. Includes management of server-side software, development of maintenance and security plans, server-side programming and existing web site updates and maintenance.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*PREREQUISITE: CIS 111*

0266	01	M	07:00p-09:50p	LEC 3.00	LADM-216	Romano,N
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### CIS 130 Hardware and Information Technology 3.00 Units

Hands-on course covering basic computer hardware, software, maintenance and training. Includes hardware components, troubleshooting, end-user training, and organizational information strategies.

*Associate Degree Applicable*

*DEPARTMENTAL RECOMMENDATION: CIS 101*

0268	01	T	07:00p-09:50p	LEC 3.00	LADM-216	Davar,M
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Ref Sec Days Time Type/Units Room Instructor

**CIS 140X2 Network Associate (CCNA 1) 3.75 Units**

Hands-on course covering networking terminology, network protocols, Local Area Networks (LANs), Wide Area Networks (WANs), the Open System Interconnection (OSI) model, cabling, cabling tools, routers, router programming, Ethernet, Internet Protocol (IP) addressing, and networking standards. First in a four-course sequence in preparation for Cisco Certified Network Associate (CCNA) exam.

(Formerly CIS-140)

Associate Degree Applicable

Note: CIS 140X2 may be taken 2 times

DEPARTMENTAL RECOMMENDATION: CIS 101

0270	01	T	07:00p-09:50p	LEC	3.75	LADM-220	Hoyt,D
		ARR	3 HRS/WK	LEC		LADM-220	Hoyt,D
		ARR	4.5 HRS/WK	LAB		LADM-220	Hoyt,D

Note: Ref. No. 0270 - 8 week class: 01/15 - 03/04

Note: This hybrid class meets once a week on campus. Arranged hours are completed either in the Computer Lab or at home over the Internet.

**CIS 141X2 Routers and Routing Basics: Cisco Certified Network Associate (CCNA 2) 3.75 Units**

Second of four courses leading to the Cisco Certified Network Associate (CCNA) designation. Hands-on course covering initial router configuration, Cisco IOS Software Management, routing protocol configuration, Transmission Control Protocol/Internet Protocol (TCP/IP), and Access Control Lists (ACLs). Students will learn how to configure a router, manage Cisco's Internetworking Operating System (IOS) software, configure routing protocols, and develop ACLs to secure Cisco routers.

(Formerly CIS-141)

Associate Degree Applicable

Note: CIS 141X2 may be taken 2 times

PREREQUISITE: CIS 140X2

0272	01	T	07:00p-09:50p	LEC	3.75	LADM-220	Hoyt,D
		ARR	3 HRS/WK	LEC		LADM-220	Hoyt,D
		ARR	4.5 HRS/WK	LAB		LADM-220	Hoyt,D

Note: Ref. No. 0272 - 8 week class: 03/18 - 05/06

Note: This hybrid class meets once a week on campus. Arranged hours are completed either in the Computer Lab or at home over the Internet.

Deadline for High School student to submit paperwork for admission  
**January 7, 2008**

Last day to register and last day to drop prior to the first day of school  
**January 13, 2008**

Instruction begins  
**January 14, 2008**

*Classified Employees of the Year 2006-2007*



(Left to right: Cheryl Cox, Larry Aycock, Linda Litvinoff & David Danser)

The Crafton Hills College (CHC) 2006-2007 Classified Employees of the Year are CHC President's Administrative Assistant Cheryl Cox, Admissions and Records Clerk Larry Aycock, Career and Technical Education Secretary Linda Litvinoff, and Computer Technician David Danser.

Classified staff is the support staff for faculty and administrators.

CHC's faculty selected Cox and Aycock for their awards, and the classified staff selected Litvinoff and Danser for their awards. Danser was selected as the Part-Time Classified Employee of the Year.

"In her role as administrative assistant to the president, Cheryl demonstrates a true commitment to the successful operation of the college," said Academic Senate President and Speech Instructor Rick Hogrefe. "She possesses a diverse knowledge and set of skills that allow her to manage details successfully as well as plan and execute events. She has also been integral in helping the maintenance and growth of the CHC Foundation."

Award recipient Aycock, who has worked at CHC more than 10 years, is the night supervisor for the Admissions and Records Office.

"I'm surprised to receive this award, but very honored," Aycock said.

"I enjoy working with the students. My goal with students is to be as helpful as I can to assist them on their path toward their educational goal."

Fellow employee of the year Litvinoff has worked at CHC for more than 11 years. Litvinoff assists with the production of the college's annual catalog and semester class schedules, and she assists with the Career and Technical Division's contracts and financial records.

"I find assisting others very satisfying," she said. "Everyone has different needs at different times, and asking for help is a good thing. My goal with students is to be there for them when they need help and, in doing so, help make their lives here at Crafton as uncomplicated and as rewarding as possible."

Part-time CHC Employee of the Year David Danser has worked as a computer technician at the college for 10 years.

"I love to help people," Danser added. "I feel it's the reason I have been put into this job at CHC. I look forward to going to work here every morning."

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**CIS 142X2 Switching Basics and Intermediate Routing: Cisco Certified Network 3.75 Units**

Third of four courses leading to the Cisco Certified Network Associate (CCNA) designation. Hands-on course focusing on Variable Length Subnet Masking (VLSM), Intermediate routing protocols (RIPv2, OSPF, and EIGRP), Command Line Interface (CLI) switch configuration, Ethernet switching, Virtual LANs (VLANs), Spanning Tree Protocol (STP), VLAN Trunking Protocol (VTP). Students will learn how to configure and troubleshoot switches, manage Cisco IOS switch software, and configure switch-base VLANs.

(Formerly CIS-142)

Associate Degree Applicable

Note: CIS 142X2 may be taken 2 times

PREREQUISITE: CIS 141X2

0274	01	TTH	11:00a-12:50p	LEC 3.75	LADM-220	Hoyt,D
		ARR	2 HRS/WK	LEC	LADM-220	Hoyt,D
		ARR	4.5 HRS/WK	LAB	LADM-220	Hoyt,D

Note: Ref. No. 0274 - 8 week class: 01/15 - 03/06

Note: This hybrid class meets twice a week on campus. Arranged hours are completed either in the Computer Lab or at home over the Internet.

**CIS 143X2 WAN Technologies: Cisco Certified Network Associate (CCNA 4) 3.75 Units**

Last of four courses leading to the Cisco Certified Network Associate (CCNA) designation. Hands-on course focusing on advanced IP addressing techniques, Network Address Translation (NAT), Port Address Translation (PAT), Dynamic Host Configuration Protocol (DHCP), WAN technology and terminology, Point-to-Point Protocol (PPP), Integrated Services Digital Network (ISDN), Dial-on-Demand Routing (DDR), Frame Relay, network management, and introduction to optical networking. Will include CCNA exam preparation.

(Formerly CIS-143)

Associate Degree Applicable

Note: CIS 143X2 may be taken 2 times

PREREQUISITE: CIS 142X2

0276	01	TTH	11:00a-12:50p	LEC 3.75	LADM-220	Hoyt,D
		ARR	2 HRS/WK	LEC	LADM-220	Hoyt,D
		ARR	4.5 HRS/WK	LAB	LADM-220	Hoyt,D

Note: Ref. No. 0276 - 8 week class: 03/18 - 05/08

Note: This hybrid class meets twice a week on campus. Arranged hours are completed either in the Computer Lab or at home over the Internet.

**CIS 160 Authoring Usable and Accessible Web Pages 3.00 Units**

Study of the principles and design tools used to create web sites that meet ADA Section 508 accessibility standards as well as usability standards. Students will create web sites and conduct usability and accessibility testing.

Associate Degree Applicable

Course credit transfers to CSU.

PREREQUISITE: CIS 111

0278	01	MW	09:00a-10:50a	LEC 3.00	LADM-220Pace-Pequeno,C	
		ARR	3.25 HRS/WK	LEC	LADM-220Pace-Pequeno,C	

Note: Ref. No. 0278 - 8 week class: 01/14 - 03/05

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**CIS 161 Web Site Design and Programming Using Dreamweaver 3.00 Units**

In-depth study of Web site design and programming using Dreamweaver. Students will design, create, publish and maintain web sites using Dreamweaver.

Associate Degree Applicable

PREREQUISITE: CIS 111

0280	01	MW	09:00a-10:50a	LEC 3.00	LADM-220Pace-Pequeno,C	
		ARR	3.71 HRS/WK	LEC	LADM-220Pace-Pequeno,C	

Note: Ref. No. 0280 - 7 week class: 03/17 - 04/30

**CIS 162 Introduction to Flash 3.00 Units**

Introduction to Flash. Students will design, create and publish Flash animations, navigation buttons, icons and Web sites.

Associate Degree Applicable

0282	01	ARR	3 HRS/WK	LEC 3.00		Staff
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NOTE: Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).

**CIS 163 Introduction to PhotoShop 3.00 Units**

Design, creation, and manipulation of original and existing images and photographs using PhotoShop.

Associate Degree Applicable

Course credit transfers to CSU.

0284	01	TTH	05:30p-06:50p	LEC 3.00	LADM-216	Pace-Pequeno,C
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**CIS 165X3 Introduction to Computer Animation 3.00 Units**

Introduction to 3D animation using Maya. Focuses on computer animation, rendering and modeling. Principles and skills for building objects in a landscape and changing environmental conditions. Overviews on model sheets, storyboarding, keyframing, in-betweening and 3D conversion techniques.

(Formerly CIS-165)

Associate Degree Applicable

Course credit transfers to CSU.

Note: CIS 165X3 may be taken 3 times

0286	01	TTH	09:00a-09:20a	LEC 3.00	LADM-220	Walter,M
		TTH	09:30a-10:20a	LAB	LADM-220	Walter,M
		ARR	4 HRS/WK	LAB	LADM-220	Walter,M

NOTE: This hybrid class meets once a week on campus. Arranged hours are completed either in the Computer Lab or at home over the Internet.

**CIS 166 3D Animation with Maya 3.00 Units**

3D animation using Maya, character development, modeling, storyboarding and animation. Includes the development of Maya Expression Language (MEL) scripting.

Associate Degree Applicable

Course credit transfers to CSU.

PREREQUISITE: CIS 165

0288	01	TH	07:00p-09:50p	LEC 3.00	LADM-220	Walter,M
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Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**CIS 175 Introduction to Information Mapping 3.00 Units**

For further details go to [www.craftonhills.edu /Classes & Programs](http://www.craftonhills.edu/Classes%20&%20Programs)

**CIS 184 Photoshop and Digital Photography 3.00 Units**

Introduction to digital photography and the use of Photoshop to edit, repair, publish and manipulate digital photographs.  
*Associate Degree Applicable*

0290	01	TH	07:00p-09:50p	LEC 3.00	LADM-216	Staff
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**CIS 198 Computer Information Systems Worksite Learning 2.00-4.00 Units**

Direct on-the-job experience. Students will develop goals and objectives that demonstrate critical thinking and problem solving skills within the context of a specific discipline/job.

*Associate Degree Applicable*

*Course credit limited transfer to CSU. Contact a counselor for details.*

*PREREQUISITE: Completed or currently enrolled in a computer information systems course*

*COREQUISITES: Must be working either paid or unpaid at a job directly related to the student's computer information/computer science educational or occupational goal*

0230	01	ARR	10 HRS/WK	WRKEX 2.00	OE2-205	McCormick,K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.						
0232	02	ARR	15 HRS/WK	WRKEX 3.00	OE2-205	McCormick,K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.						
0234	03	ARR	20 HRS/WK	WRKEX 4.00	OE2-205	McCormick,K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.						

## ECONOMICS

**ECON 100 Introduction to Economics 3.00 Units**

Economic analysis applied to issues and problems facing the U.S. economy. Problems are analyzed with the elementary tools of economics as a way of evaluating alternative choices with respect to actual or hypothetical courses of action.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*Limited transfer to UC; contact a counselor for details.*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 and MATH 090 or eligibility for MATH 095 as determined through the Crafton Hills College assessment process*

0298	01	MW	11:00a-12:50p	LEC 3.00	OE2-214A	Mansourian,F
Note: Ref. No. 0298 - 13 week class: 01/14 - 04/23						

## Victor Cisneros Math and Economics Major



"Participating in student government and experiencing being more involved with the college had the biggest impact on me at CHC," said Victor Cisneros, 23, math and economics major. "I discovered that I enjoyed college."

Last year, Cisneros served as the student senator at large in the college's Associated Students of Crafton Hills College (ASCHC), and this year he is serving as the ASCHC treasurer.

"Serving people and helping them is a big part of being involved in student organizations," Cisneros said. "You learn about leadership and get a better understanding of people. You meet so many people with so many different backgrounds, and you see what it's like to be in someone else's shoes."

"You learn patience and empathy," he said. "You learn to respect other people's views. You're always a winner if you show people respect."

Meanwhile, his math professors noted his math skills and encouraged him to pursue math. Cisneros always knew he was good in math and decided to major in math and economics.

"College is a place that allows you to explore," Cisneros said. "I changed my mind several times before choosing math and economics. If you take classes to enjoy them, you will eventually come across someone who will impact you, and you will realize 'that's a cool major.' Just explore your options."

Based on his positive experiences being involved in student government, he joined the math club and became the vice president. This year, he is president of the math club.

In addition to his interest in math, Cisneros has a fascination with economics.

"Everything is based on supply and demand and the availability of goods and services," Cisneros said. "You realize that there is a scarcity and how limited we are. For example, the price of oil affects economics worldwide."

"It's important to realize where we make mistakes and try to correct them in the future. The economics of individual countries affect everything on a global scale."

In addition to all his other activities at the college, Cisneros is serving as a student ambassador in the Financial Aid Office. He attends community events and visits local schools to provide information about financial aid opportunities at the college.

Cisneros' goal is to study math and economics at University of Redlands or the University of California San Diego or UCLA.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
<b>ECON 200</b>	<b>Principles of Macroeconomics 3.00 Units</b>					
Introduction to the basic mechanisms of macroeconomics, including key concepts, theories, policies and institutions such as GDP, fiscal and monetary policies, the Federal Reserve System, the classical and Keynesian theories, and budget deficit. <i>Associate Degree Applicable</i> <i>Course credit transfers to both CSU and UC.</i> <i>CAN (California Articulation Number) ECON 2</i> <i>DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 and MATH 090 as determined through the Crafton Hills College assessment process</i>						
0300	01	TTH	11:00a-12:50p	LEC 3.00	OE2-214A	Mansourian,F
Note: Ref. No. 0300 - 13 week class: 01/14 - 04/17						
0302	02	T	07:00p-09:50p	LEC 3.00	OE2-214A	Mansourian,F

<b>ECON 201</b>	<b>Principles of Microeconomics 3.00 Units</b>					
An introduction to economic principles that govern production, exchange, distribution and consumption in a capitalist economy. <i>Associate Degree Applicable</i> <i>Course credit transfers to both CSU and UC.</i> <i>CAN (California Articulation Number) ECON 4</i> <i>DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 and MATH 095 as determined through the Crafton Hills College assessment process</i>						
0304	01	MW	09:00a-10:50a	LEC 3.00	CHS-122	Mansourian,F
0306	02	M	07:00p-09:50p	LEC 3.00	CL-218	Mansourian,F

## EMERGENCY MEDICAL SERVICES

The four classes described below - EMS 020, EMS 021X20, EMS 022 and EMS 023 - must be taken together as blocked.

NOTE: There will be a MANDATORY ORIENTATION for all students enrolled in these five sections of four classes on Saturday, January 12, 2008 from 9:00am to 1:00pm in the Performing Arts Center (PAC).

FINANCIAL AID ALERT: These classes will not qualify for, or will reduce eligibility for, Federal Financial Aid. Contact the Financial Aid Office (CL-214).

<b>EMS 020</b>	<b>Emergency Medical Technician-I/EMT-Basic 6.00 Units</b>					
Introduction in all facets of U.S. DOT T22CCR required of basic life support measures, CPR, and the use of appropriate emergency medical equipment and supplies. <i>Associate Degree Applicable</i> <i>PREREQUISITES: Must be 18 years of age at the time of registration. Must be able to provide proof of a clear Department of Justice background check upon completion.</i> <i>COREQUISITES: EMS 021X20, EMS 022, EMS 023, and meet U.S. DOT Requirements</i> <i>DEPARTMENTAL RECOMMENDATIONS: Good dexterity and coordination abilities, the ability to work in small areas in different positions and at times on the ground or floor, and good physical condition with the ability to lift up to 150 pounds</i>						

Ref	Sec	Days	Time	Type/Units	Room	Instructor
<b>EMS 021X20</b>	<b>Preventing Disease Transmission for Emergency Medical Technician-I/EMT-Basic 0.50 Unit</b>					
Disease transmission and infection control practices, including occupational exposure management and legal concerns. Designed for emergency medical services, hospital and public safety personnel. <i>Graded on Credit/No Credit basis only.</i> <i>Associate Degree Applicable</i> <i>Note: EMS 021X20 may be taken 20 times</i> <i>COREQUISITES: EMS 020, EMS 022, and EMS 023</i>						

<b>EMS 022</b>	<b>Basic Life Support for Emergency Medical Technician-I/EMT-Basic 0.50 Unit</b>					
Knowledge and skills of cardiopulmonary resuscitation (CPR) for victims of all ages including ventilation devices, automated external defibrillator, and foreign-body airway obstruction. This course meets the 2005 Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care at the healthcare provider level. <i>Graded on Credit/No Credit basis only.</i> <i>Associate Degree Applicable</i> <i>COREQUISITES: EMS 020, EMS 021X20, and EMS 023</i>						

<b>EMS 023</b>	<b>Hazardous Materials First Responder Awareness for Emergency Medical Technician-I/EMT-Basic 0.50 Unit</b>					
Instruction in the recognition of hazardous materials events, action responses to the events and hazard assessment techniques. Satisfies the requirements for all healthcare workers at the hazardous materials awareness level. <i>Graded on Credit/No Credit basis only.</i> <i>Associate Degree Applicable</i> <i>COREQUISITES: EMS 020, EMS 021X20, and EMS 022</i>						

Parking is at a premium  
the first few weeks



**Please Carpool !**

Ref Sec Days Time Type/Units Room Instructor

NOTE: There will be a MANDATORY ORIENTATION for all students enrolled in these four classes on Saturday, January 12, 2008 from 9:00am to 1:00pm in the Performing Arts Center (PAC).

**EMS 020:**

0308 01 M 09:00a-12:50p LEC 6.00 OE1-127 Holbrook,J  
 M 02:00p-05:50p LAB OE1-127 Holbrook,J  
 ARR 1.0 HR/WK CLINC OE1-127 Holbrook,J  
 ARR 1.5 HR/WK FIELD OE1-127 Holbrook,J

FINANCIAL AID ALERT: This class will not qualify for, or will reduce eligibility for, Federal Financial Aid. Contact the Financial Aid Office (CL-214).

IMPORTANT: You must also register in EMS-021X20-01, EMS-022-01 and EMS-023-01.

**EMS 021x20:**

0318 01 S 09:00a-12:50p LEC 0.50 BC-104 Verosik,E  
 S 02:00p-05:50p LEC BC-104 Verosik,E

Note: Ref. No. 0318 - 1 week class: 01/26 - 01/26

IMPORTANT: You must also register in EMS-020-01, EMS-022-01 and EMS-023-01.

**EMS 022:**

0328 01 S 09:00a-12:50p LEC 0.50 OE2-205 Commander,J  
 S 02:00p-05:50p LEC OE2-205 Commander,J  
 SU 09:00a-12:50p LAB OE2-205 Commander,J  
 SU 02:00p-05:50p LAB OE2-205 Commander,J

Note: Ref. No. 0328 - 1 week class: 01/19 - 01/20

IMPORTANT: You must also register in EMS-020-01, EMS-021X20-01 and EMS-023-01.

**EMS 023:**

0344 01 SU 09:00a-12:50p LEC 0.50 OE1-120 Commander,J  
 SU 02:00p-05:50p LEC OE1-120 Commander,J

Note: Ref. No. 0344 - 1 week class: 01/27 - 01/27

IMPORTANT: You must also register in EMS 020-01, EMS-021X20-01 and EMS 022-01.

Ref Sec Days Time Type/Units Room Instructor

NOTE: There will be a MANDATORY ORIENTATION for all students enrolled in these four classes on Saturday, January 12, 2008 from 9:00am to 1:00pm in the Performing Arts Center (PAC).

**EMS 020:**

0316 02 T 06:00p-09:50p LAB 6.00 OE1-127 Jeffers,C  
 TH 06:00p-09:50p LEC OE1-127 Jeffers,C  
 ARR 1 HR/WK CLINC OE1-127 Jeffers,C  
 ARR 1.5 HRS/WK FIELD OE1-128 Jeffers,C

FINANCIAL AID ALERT: This class will not qualify for, or will reduce eligibility for, Federal Financial Aid. Contact the Financial Aid Office (CL-214).

IMPORTANT: You must also register in EMS-021X20-02, EMS-022-02 and EMS-023-02.

**EMS 021x20:**

0320 02 S 09:00a-12:50p LEC 0.50 BC-104 Verosik,E  
 S 02:00p-05:50p LEC BC-104 Verosik,E

Note: Ref. No. 0320 - 1 week class: 01/19 - 01/19

IMPORTANT: You must also register in EMS-020-02, EMS-022-02 and EMS 023-02.

**EMS 022:**

0330 02 S 09:00a-12:50p LEC 0.50 OE2-205 Commander,J  
 S 02:00p-05:50p LEC OE2-205 Commander,J  
 SU 09:00a-12:50p LAB OE2-205 Commander,J  
 SU 02:00p-05:50p LAB OE2-205 Commander,J

Note: Ref. No. 0330 - 1 week class: 02/02 - 02/03

IMPORTANT: You must also register in EMS-020-02, EMS-021X20-02 and EMS-023.

**EMS 023:**

0338 02 S 09:00a-12:50p LEC 0.50 OE1-120 Commander,J  
 S 02:00p-05:50p LEC OE1-120 Commander,J

Note: Ref. No. 0338 - 1 week class: 01/26 - 01/26

IMPORTANT: You must also register in EMS-020-02, EMS 021X20-02 and EMS-022-02.

Priority Web/Telephone Registration for  
EOPS, DSP&S, and CalWORKs students  
 October 31-November 2, 2007

Priority Web/Telephone Registration  
 November 5, 200 -January 13, 2008

**BOLD print on time pattern denotes evening classes**

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**NOTE:** There will be a MANDATORY ORIENTATION for all students enrolled in these four classes on Saturday, January 12, 2008 from 9:00 a.m. to 1:00 p.m. in the Performing Arts Center (PAC).

**EMS 020:**

0310	03	W	09:00a-12:50p	LEC 6.00	OE1-127	Reese,G
		W	02:00p-05:50p	LAB	OE1-127	Reese,G
		ARR	1 HR/WK	CLINC	OE1-127	Reese,G
		ARR	1.5 HRS/WK	FIELD	OE1-127	Reese,G

FINANCIAL AID ALERT: This class will not qualify for, or will reduce eligibility for, Federal Financial Aid. Contact the Financial Aid Office (CL-214).

IMPORTANT: You must also register in EMS-021X20-03, EMS-022-03 and EMS-023-03.

**EMS 021x20:**

0322	03	SU	09:00a-12:50p	LEC 0.50	BC-104	Verosik,E
		SU	02:00p-05:50p	LEC	BC-104	Verosik,E

Note: Ref. No. 0322 - 1 week class: 01/20 - 01/20

IMPORTANT: You must also register in EMS-020-03, EMS-022-03 and EMS-023-03.

**EMS 022:**

0332	03	S	09:00a-12:50p	LEC 0.50	OE2-205	Reese,G
		S	02:00p-05:50p	LEC	OE2-205	Reese,G
		SU	09:00a-12:50p	LAB	OE2-205	Reese,G
		SU	02:00p-05:50p	LAB	OE2-205	Reese,G

Note: Ref. No. 0332 - 1 week class: 01/26 - 01/27

IMPORTANT: You must also register in EMS-020-03, EMS-021X20-03 and EMS-023-03.

**EMS 023:**

0340	03	S	09:00a-12:50p	LEC 0.50	OE1-120	Commander,J
		S	02:00p-05:50p	LEC	OE1-120	Commander,J

Note: Ref. No. 0340 - 1 week class: 02/23 - 02/23

IMPORTANT: You must also register in EMS-020-03, EMS-021X20-03 and EMS 022-03.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**NOTE:** There will be a MANDATORY ORIENTATION for all students enrolled in these four classes on Saturday, January 12, 2008 from 9:00 a.m. to 1:00 p.m. in the Performing Arts Center (PAC).

**EMS 020:**

0312	04	F	09:00a-12:50p	LEC 6.00	OE1-127	Nicholson,K
		F	02:00p-05:50p	LAB	OE1-127	Nicholson,K
		ARR	1 HR/WK	CLINC	OE1-127	Nicholson,K
		ARR	1.5 HRS/WK	FIELD	OE1-127	Nicholson,K

FINANCIAL AID ALERT: This class will not qualify for, or will reduce eligibility for, Federal Financial Aid. Contact the Financial Aid Office (CL-214).

IMPORTANT: You must also register in EMS-021X20-04, EMS-022-04 and EMS 023-04.

**EMS 021x20:**

0326	04	SU	09:00a-12:50p	LEC 0.50	BC-104	Verosik,E
		SU	02:00p-05:50p	LEC	BC-104	Verosik,E

Note: Ref. No. 0326 - 1 week class: 02/03 - 02/03

IMPORTANT: You must also register in EMS-020-04, EMS-022-04 and EMS-023-04.

**EMS 022:**

0334	04	S	09:00a-12:50p	LEC 0.50	OE2-205	Commander,J
		S	02:00p-05:50p	LEC	OE2-205	Commander,J
		SU	09:00a-12:50p	LAB	OE2-205	Commander,J
		SU	02:00p-05:50p	LAB	OE2-205	Commander,J

Note: Ref. No. 0334 - 1 week class: 02/09 - 02/10

IMPORTANT: You must also register in EMS-020-04, EMS-021X20-04 and EMS-023-04.

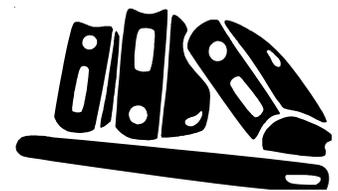
**EMS 023:**

0342	04	S	09:00a-12:50p	LEC 0.50	OE1-120	Commander,J
		S	02:00p-05:50p	LEC	OE1-120	Commander,J

Note: Ref. No. 0342 - 1 week class: 02/16 - 02/16

IMPORTANT: You must also register in EMS-020-04, EMS-021x20-04 and EMS 022-04.

**Don't forget to  
include  
the expense**



**of books  
and supplies in your  
expenses calculations!**

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**NOTE:** There will be a **MANDATORY ORIENTATION** for all students enrolled in these four classes on Saturday, January 12, 2008 from 9:00 a.m. to 1:00 p.m. in the Performing Arts Center (PAC).

**EMS 020:**

0314	05	S	09:00a-12:50p	LEC 6.00	OE1-127	Comnick,L
		S	02:00p-05:50p	LAB	OE1-127	Comnick,L
		ARR	1 HR/WK	CLINC	OE1-127	Comnick,L
		ARR	1.5 HRS/WK	FIELD	OE1-127	Comnick,L

FINANCIAL AID ALERT: This class will not qualify for, or will reduce eligibility for, Federal Financial Aid. Contact the Financial Aid Office (CL-214).

IMPORTANT: You must also register in EMS-021X20-05, EMS-022-05 and EMS-023-05.

**EMS 021x20:**

0324	05	SU	09:00a-12:50p	LEC 0.50	BC-104	Verosik,E
		SU	02:00p-05:50p	LEC	BC-104	Verosik,E

Note: Ref. No. 0324 - 1 week class: 02/10 - 02/10

IMPORTANT: You must also register in EMS-020-05, EMS-022-05 and EMS-023-05.

**EMS 022:**

0336	05	SU	09:00a-12:50p	LEC 0.50	OE2-205	Commander,J
		SU	02:00p-05:50p	LEC	OE2-205	Commander,J
		SU	09:00a-12:50p	LAB	OE2-205	Commander,J
		SU	02:00p-05:50p	LAB	OE2-205	Commander,J

Note: Ref. No. 0336 - 2 week class: 02/17 - 02/24

IMPORTANT: You must also register in EMS-020-05, EMS-021X20-05 and EMS-023-05.

**EMS 023:**

0346	05	SU	09:00a-12:50p	LEC 0.50	OE1-120	Commander,J
		SU	02:00p-05:50p	LEC	OE1-120	Commander,J

Note: Ref. No. 0346 - 1 week class: 03/02 - 03/02

IMPORTANT: You must also register in EMS-020-05, EMS-021X20-05 and EMS-022-05.

**EMS 103 Mobile Intensive Care Nurse 2.25 Units**

Orientation to pre-hospital advanced care protocols for San Bernardino, Riverside, Inyo and Mono counties and practice giving direction to prehospital care providers via one way radio or two way radio communication. Information on the roles and responsibilities of the mobile intensive care nurse.

*Graded on Credit/No Credit basis only.*

*Associate Degree Applicable*

*Course credit transfers to CSU.*

**PREREQUISITES:** As required by San Bernardino and Riverside County Emergency Medical Services: A current California R.N. license, one year experience as a registered nurse, 800 hours experience as a nurse in the emergency department, current ACLS certification, proof of a cardiac dysrhythmia course, current employment in a base station hospital in San Bernardino, Riverside, Inyo or Mono county and the ability to complete a written screening examination with 80% accuracy

0348	01	F	09:00a-12:50p	LEC 2.25	OE1-120	Magallanes,S
		F	02:00p-05:50p	LAB	OE1-120	Magallanes,S
		ARR	3.2 HRS/WK	CLINC	OE1-120	Magallanes,S
		ARR	3.2 HRS/WK	FIELD	OE1-120	Magallanes,S

Note: Ref. No. 0348 - 5 week class: 02/22 - 03/28

NOTE: Contact the EMS secretary at (909) 389-3252 for days and times of arranged hours.

**Chelsey Roddy  
EMT I**



"So far, I've had a wonderful experience with my instructors at CHC," said Emergency Medical Technician (EMT) Chelsey Roddy, who plans to return to the college to get her Paramedic Certificate. "While taking the EMT I program, I had multiple instructors for my labs. It made a huge difference because I learned from their many different experiences and points of view."

Roddy, 20, currently works as an EMT for the Redlands Division on American Medical Response (AMR).

"It can be challenging at times, but it is definitely worth the stress," Roddy said. "I love what I do. It's something I grew up around, and I've always wanted to do something in the medical field."

Roddy initially chose to attend CHC because she had heard great things about it from her dad, who attended the EMT program and the CHC Fire Academy.

Roddy signed up for CHC right out of high school. "My family has been very supportive and extremely proud of what I accomplished at CHC," she said.

"Without an education, your options are very limited. It's not about how much money you make; it's about being happy in life. Most jobs available to people without an education are not very appealing."

The CHC EMT I program trains students in basic emergency care, including CPR, splinting, and patient assessment. EMT I graduates interested continuing to the next step — applying to the college's EMT-Paramedic advanced life support program — must complete required courses in anatomy and physiology as well as serve as EMTs full-time for six months or part-time for 1,000 hours. Earning an EMT I certificate is also a step towards applying for the CHC Fire Academy.

There were 138 students receiving Emergency Medical Technician I Certificates in May.

"Going to CHC has had a major impact on my life," Roddy said. "I have a great job and I'm more motivated in all I do. I have gained so much self-confidence. In fact, a few of my friends have started the EMT program."

Roddy's current goal is to work as much as possible, and then attend the CHC Paramedic Program to earn an associate's degree. Ultimately, she wants to be a physician's assistant.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**EMS 105 Assessment of the Medical and Trauma Patient 2.25 Units**

Instruction in the medical and trauma patient assessment geared toward the EMT-Basic and the fundamentals of proper documentation.

*Associate Degree Applicable*

DEPARTMENTAL RECOMMENDATION: EMT Certification

0350	01	T	09:00a-11:50a	LEC 2.25	OE1-128	Reese,G
		T	12:00p-12:50p	LAB	OE1-128	Reese,G
		T	02:00p-05:50p	LAB	OE1-128	Reese,G

Note: Ref. No. 0350 - 8 week class: 01/29 - 03/25

NOTE: Designed to improve assessment skills for certified EMT-Is, Paramedics and other current health practitioners

**EMS 150 Patient Assessment for Paramedics 3.00 Units**

Overview of pre-hospital patient assessment and pathophysiology for the Paramedic. This course provides the foundational knowledge and skills to effectively assess and treat patients in the pre-hospital setting. The skills will be used to make effective clinical care decisions.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

PREREQUISITE: Admission into the EMT-Paramedic Program

COREQUISITES: EMS 151, EMS 152, EMS 153, EMS 154, and EMS 155

0352	11	ARR	3 HRS/WK	LEC 3.00	OE1-120	Word,D
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NOTE: Contact the EMS secretary at (909) 389-3252 for days and times of class.

**EMS 151 Introduction to EMS for Paramedics 2.00 Units**

Overview of paramedicine, emergency medical services ethics, patient care management, laws and policies of emergency services, and communications related to the delivery of emergency medical services.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

PREREQUISITE: Admission into the EMT-Paramedic Program

COREQUISITES: EMS 150, EMS 152, EMS 153, EMS 154, and EMS 155

0354	11	ARR	2 HRS/WK	LEC 2.00	OE1-120	Holbrook,J
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NOTE: Contact the EMS secretary at (909) 389-3252 for days and times of class.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**EMS 152 Cardiology for the EMT-Paramedic 4.50 Units**

Basic cardiology and cardiac electrophysiology for the paramedic. This course will review basic pertinent anatomy and physiology, recognition and treatment of cardiovascular disorders.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

PREREQUISITE: Admission into the EMT-Paramedic Program

COREQUISITES: EMS 150, EMS 151, EMS 153, EMS 154, and EMS 155

0356	11	ARR	4.5 HRS/WK	LEC 4.50	OE1-120	Word,D
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NOTE: Contact the EMS secretary at (909) 389-3252 for days and times of class.

**EMS 153 Pharmacology for the EMT-Paramedic 3.00 Units**

Basic pharmacology for the paramedic, including the administration of medications, drug therapy, drug actions and interactions, and basic physiology.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

PREREQUISITE: Admission into the EMT-Paramedic Program

COREQUISITES: EMS 150, EMS 151, EMS 152, EMS 154, and EMS 155

0358	11	ARR	3 HRS/WK	LEC 3.00	OE1-120	Holbrook,J
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NOTE: Contact the EMS secretary at (909) 389-3252 for days and times of class.

**EMS 154 Emergency Medical Services Theory for the Paramedic 8.00 Units**

Studies in the theory and practice of the diagnosis and treatment of trauma and medical emergencies; emphasis on the pathophysiology of disease processes as the basis for effective initial emergency management.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

PREREQUISITE: Admission into the EMT-Paramedic Program

COREQUISITES: EMS 150, EMS 151, EMS 152, EMS 153, and EMS 155

0360	11	ARR	8 HRS/WK	LEC 8.00	OE1-120	Andrews,S
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NOTE: Contact the EMS secretary at (909) 389-3252 for days and times of class.

Ref Sec Days Time Type/Units Room Instructor

**EMS 155 Skills Development for Paramedics 3.00 Units**

Paramedic skills and the equipment used in the treatment of pre-hospital advanced life support. This course will enhance the student's knowledge of and ability to treat various traumatic and medical emergencies in the pre-hospital setting.

*Associate Degree Applicable  
Course credit transfers to CSU.*

*PREREQUISITE: Admission into the EMT-Paramedic Program  
COREQUISITES: EMS 150, EMS 151, EMS 152, EMS 153, and EMS 154*

0362 11 ARR 9HRS/WK LAB 3.00 OE1-120 Crow,K  
NOTE: Contact the EMS secretary at (909) 389-3252 for days and times of class.

**EMS 156 Clinical Externship for the Paramedic 2.00 Units**

Coordination of advanced paramedic training within the hospital setting. Opportunity to direct and engage in emergency intervention in traumatic and medical emergencies. This portion of the program will be in a clinical setting in San Bernardino or Riverside County. Fulfills the requirements of Title 22 of the Health and Safety Code for paramedic clinical externship.

*Associate Degree Applicable  
Course credit transfers to CSU.*

*PREREQUISITES: EMS 150, EMS 151, EMS 152, EMS 153, EMS 154, and EMS 155*

0364 11 ARR 18.23HRS/WK CLINC 2.00 OFFC-CLNC Andrews,S  
Note: Ref. No. 0364 - 9 week class: 01/14 - 03/21  
NOTE: Contact the EMS secretary at (909) 389-3252 for days and times of class.

**EMS 157 Field Externship for the Paramedic 7.50 Units**

Coordination of advanced paramedic training with a field advanced life support unit. Opportunity to direct and engage in emergency intervention in traumatic and medical emergencies. This portion of the program will be on a paramedic unit in San Bernardino or Riverside County. Fulfills the requirements of Title 22 of the Health and Safety Code for paramedic field externship.

*Associate Degree Applicable  
Course credit transfers to CSU.*

*PREREQUISITE: EMS 156*

0366 11 ARR 31.579HRS/WK FIELD 7.50 OFFF-FLD Word,D  
Note: Ref. No. 0366 - 19 week class: 04/04 - 08/08  
NOTE: Contact the EMS secretary at (909) 389-3252 for days and times of class.

**BOLD print on time pattern denotes evening classes**

Ref Sec Days Time Type/Units Room Instructor

**EMS 198 Emergency Medical Services Worksite Learning 2.00-4.00 Units**

Direct on-the-job experience. Students will develop goals and objectives that demonstrate critical thinking and problem solving skills within the context of a specific discipline/job.

*Associate Degree Applicable  
Course credit limited transfer to CSU.  
Contact a counselor for details.*

*PREREQUISITE: Completed or currently enrolled in an emergency medical services course*

*COREQUISITES: Must be working either paid or unpaid at a job directly related to the student's emergency medical services educational or occupational goal*

0368 01 ARR 10HRS/WK WRKEX 2.00 OE2-205 McCormick,K  
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

0370 02 ARR 15HRS/WK WRKEX 3.00 OE2-205 McCormick,K  
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

0372 03 ARR 20HRS/WK WRKEX 4.00 OE2-205 McCormick,K  
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

**EMS 921X20 Emergency Medical Technician Recertification 1.00 Unit**

Review of all facets of basic life-support measure CPR, automated external defibrillation, use of medical equipment and supplies, as well as instruction in new techniques and materials.

*Graded on Credit/No Credit basis only.  
Not Applicable to the Associate Degree*

*Note: EMS 921X20 may be taken 20 times*

*PREREQUISITE: An EMT-B certification from any county or state in the the United States, current within the last 4 years or an EMT-B National Registry certification current within the last 4 years.*

0374 01 M 09:00a-11:50a LEC 1.00 OE1-128 Commander,J  
M 12:00p-12:50p LAB OE1-128 Commander,J  
M 02:00p-05:50p LAB OE1-128 Commander,J  
Note: Ref. No. 0374 - 4 week class: 03/31 - 04/21

**Boxed sections indicate Short-Term classes.**

## English/Math/Cisco Classes

## CHC's Cisco Networking Academy Program



Businesses Need  
Employees With  
Networking Skills

CHC's Cisco Networking Academy has the quality instruction, tools and equipment required to give you the skills employers are seeking.

**Join the CHC Networking Academy and become one of the architects of our growing networked economy.**

CIS 140 – Networking Fundamentals  
CIS 141 – Basic Routing  
CIS 142 – Fundamentals of LAN's  
CIS 143 – Fundamentals of WAN's

For more information contact: Business & Information Technology Department at (909) 389-3430

Like your novels and films dark? Really dark? Dark alleys, urban landscapes, gangsters, femme fatales, nightmares, cigarettes, and death? Where murder is as common as drinking coffee? Where life is whirlpool with no escape?

### ENGL 250 FICTION: PUNK AS TEXT

Noir, the Dark Side, will examine the shadowy side of human nature.

**MW 1:00 - 2:20 P.M.**

For information, contact Professor Aaron Race • E-mail: [arace@craftonhills.edu](mailto:arace@craftonhills.edu)



### Need help with math homework or need extra hours for your Math 942 lab? Got Saturday mornings free?

Math faculty are available for you now on Saturday mornings from 9-noon.



#### **Concerned about taking MATH 952, 090, or 095?**

Try Math 903—supplemental support lab that will give you that extra boost of self confidence, study skills specific to math and help to set you on the right track for class.

#### **Don't need 942 but not ready for 952?**

Try Math 943—for those students who need just a brush up on certain areas in basic mathematics.

#### **Join the Math Club:**

Our mission is to encourage others to become active in the profitable field of mathematics through a wide range of activities.

Ref Sec Days Time Type/Units Room Instructor

**ENGLISH**

**ENGL 914 Basic English Skills 4.00 Units**

Instruction in basic English grammar, including parts of speech, sentence construction, subjects, predicates, objects, verb tenses, spelling rules, vocabulary development, agreement, case, voice, usage, capitalization, and proper punctuation. Includes instruction in the principles of writing effective paragraphs, including framing topic sentences, developing appropriate support, and using transitions.

*Not Applicable to the Associate Degree*

0376	02	MW	07:00a-08:50a	LEC	4.00	CL-109	Langenfeld,E
0378	03	MW	09:00a-10:50a	LEC	4.00	CL-110	Bartlett,R
0380	08	MW	11:00a-12:50p	LEC	4.00	CL-110	Race,A
0382	01	MW	01:00p-02:50p	LEC	4.00	CDC-106	Matthews,D
0384	04	TTH	07:00a-08:50a	LEC	4.00	CL-217	Langenfeld,E
0386	05	TTH	09:00a-10:50a	LEC	4.00	CL-109	Langenfeld,E
0388	06	TTH	11:00a-12:50p	LEC	4.00	OE2-219	Race,A
0390	07	TTH	01:00p-02:50p	LEC	4.00	CL-109	Race,A

0392 13 TTH 03:00p-05:40p LEC 4.00 BC-101 Staff  
 Note: Ref. No. 0392 - 13 week class: 02/11 - 05/15

0394 09 MW 05:00p-06:50p LEC 4.00 CL-110 Farrell,K  
 Note: Ref. No. 0394 - 13 week class: 02/11 - 05/14

0396 12 MW 07:00p-09:20p LEC 4.00 CL-108 Staff  
 Note: Ref. No. 0396 - 13 week class: 02/11 - 05/14

0398 11 TTH 05:00p-06:50p LEC 4.00 CL-110 Gonzalez,E  
 0400 10 TTH 07:00p-08:50p LEC 4.00 CL-110 Gonzalez,E

**ENGL 015 Preparation for College Writing 4.00 Units**

Study of the fundamental skills necessary for effective expository writing.

*Associate Degree Applicable*

**PREREQUISITE:** ENGL 914 or eligibility for ENGL 015 as determined through the Crafton Hills College assessment process

0402	01	MWF	01:00p-02:20p	LEC	4.00	CL-108	Strong-Millsap,J
0404	02	MW	07:00a-08:50a	LEC	4.00	CL-216	Henry,M
0406	03	MW	09:00a-10:50a	LEC	4.00	CL-216	Henson,B
0408	04	MW	11:00a-12:50p	LEC	4.00	CL-216	Henson,B
0410	05	MW	01:00p-02:50p	LEC	4.00	CL-216	Baker,D
0412	06	MW	01:00p-02:50p	LEC	4.00	CL-217	Scaliter,B
0414	07	MW	03:00p-04:50p	LEC	4.00	CL-216	Scaliter,B

0416 21 MW 03:00p-05:40p LEC 4.00 CL-219 White,C  
 Note: Ref. No. 0416 - 13 week class: 02/11 - 05/14

0418	08	TTH	07:00a-08:50a	LEC	4.00	CL-216	Staff
0420	09	TTH	09:00a-10:50a	LEC	4.00	OE2-219	Rucker,C
0422	10	TTH	09:00a-10:50a	LEC	4.00	CL-108	Linfield,L
0424	11	TTH	11:00a-12:50p	LEC	4.00	CL-216	Loan,J
0426	12	TTH	01:00p-02:50p	LEC	4.00	CL-217	Hansler,K
0428	13	TTH	01:00p-02:50p	LEC	4.00	CL-216	Loan,J
0430	14	TTH	03:00p-04:50p	LEC	4.00	CL-216	Eastmond,E

0432 20 TTH 03:00p-05:40p LEC 4.00 CL-109 Staff  
 Note: Ref. No. 0432 - 13 week class: 02/11 - 05/15

0434	15	MW	05:00p-06:50p	LEC	4.00	CL-217	Williams,C
0436	16	MW	05:00p-06:50p	LEC	4.00	CL-216	Staff
0438	17	MW	07:00p-08:50p	LEC	4.00	CL-216	Niessen,A
0440	18	TTH	05:00p-06:50p	LEC	4.00	CL-216	Bartlett,R
0442	19	TTH	07:00p-08:50p	LEC	4.00	CL-216	Bartlett,R

**Introduction to Library Research Competency**



**(Pictured left to right are students Kelly Lehren and Elizabeth Bolger)**

"Because of this class, I learned some very valuable tools for all my other classes," said Elizabeth Bolger, liberal arts major. "We did everything from learning how to use Microsoft Word and Power Point to learning how to write papers using research tools like newspapers, magazines, internet databases, and search engines (i.e. Google, Yahoo!, etc.)."

Introduction to Library Research and Information Competency (LIBR100) teaches students how to use library resources, electronic databases, and the Internet for their studies. The course prepares students for college-level research in all disciplines.

"I feel that this is a 'must have' class for college Students," Bolger said. "As for myself, I am so glad that I took the class. (Librarian) Katherine Hendrickson and (Library Coordinator) Laura Winningham are wonderful teachers who make class worth showing up for. I will definitely use what I learned in this class for my other classes and for anytime I really want to research something."

LIBR 100 is a course for all students, all ages, in all disciplines. Information literacy courses are rapidly developing at schools, colleges, and universities nationwide, with an increasing number of California community colleges following the national lead.

"Library research is among the most beneficial courses I've taken at CHC because it has given me a broader range of research techniques and resources that will last a lifetime," said liberal arts major Kelly Lehren, who plans to transfer to Cal State San Bernardino in English. "My advice to students is that learning information technology will be utilized regardless of whether a student is in a classroom setting or simply at home needing answers to life's many questions."

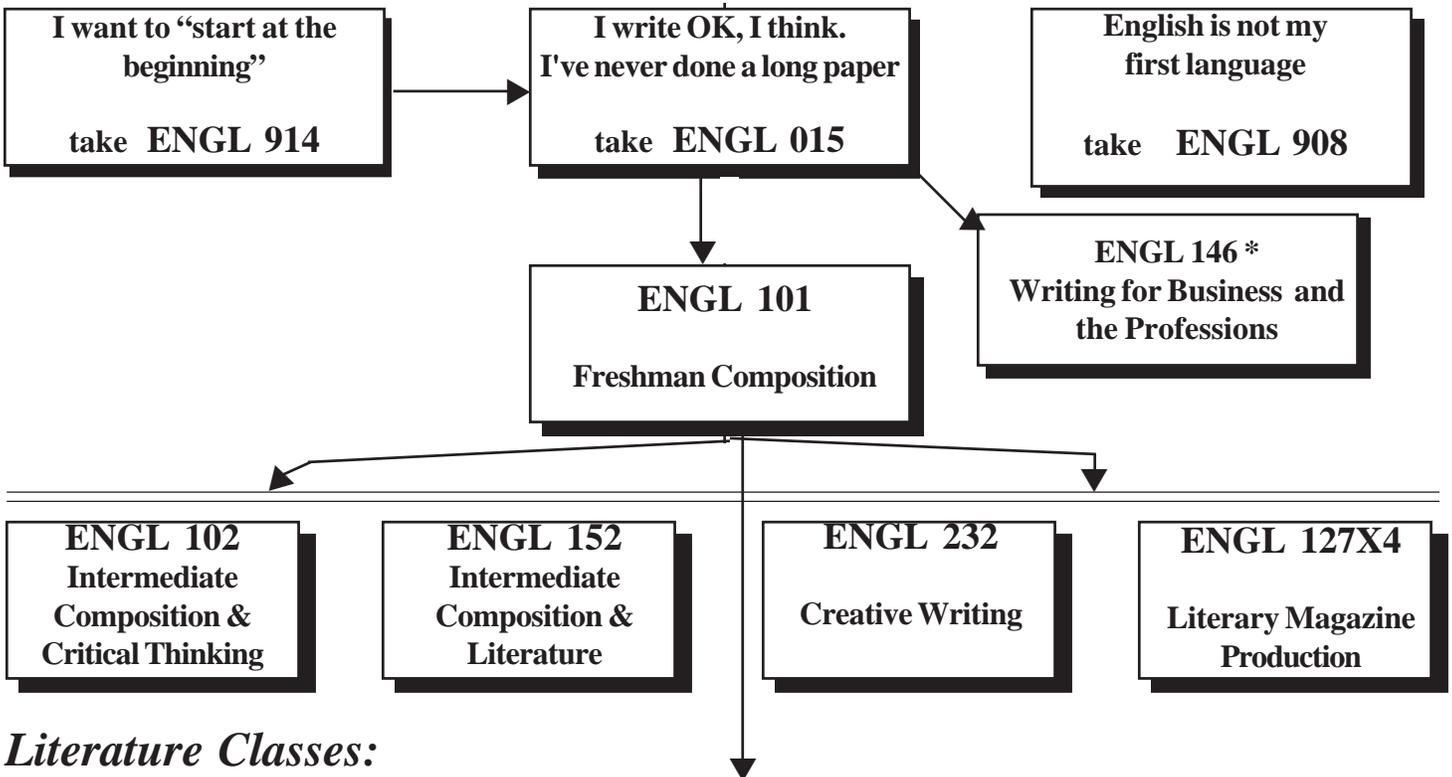
"One can surf the web, being tossed to-and-fro, or the individual can learn to 'slice through the foam,' and meet his or her destination with quick accuracy," she said. "All the while, they will be maintaining the integrity that goes hand-in-hand with research."

Crafton Hills' literacy information course is primarily concerned with critical thinking and effective research techniques and teaches students to locate and analyze information available both electronically and in print.

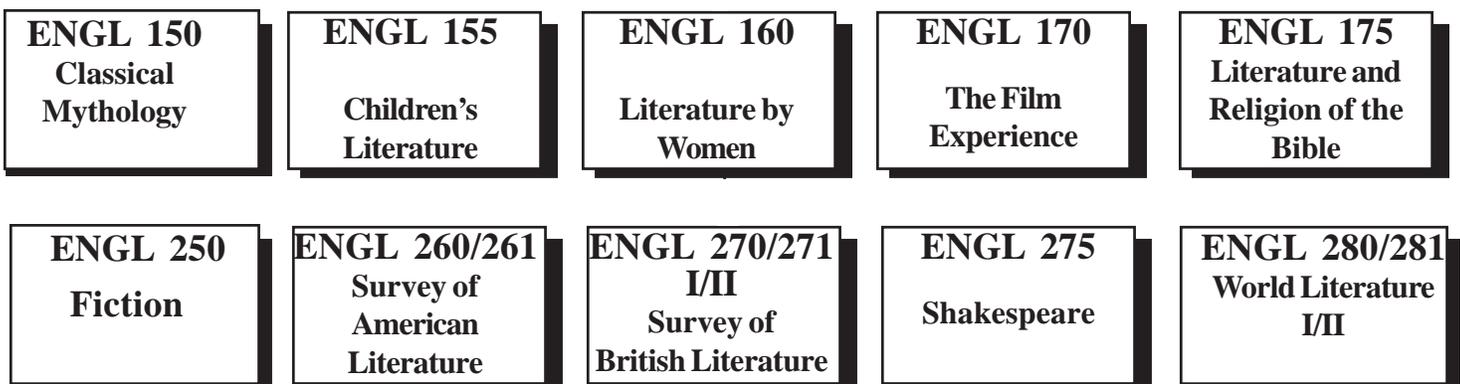
The course is taught in the Library's computer lab where the students have unlimited access to the relevant literary resources. Students explore basic computer skills, as well as critical and creative thinking, in order to develop effective research methods.

## Levels and Order of English Classes

The ability to think and reason and communicate using written language is an essential skill. There are several possible starting points for you to enter at the right level. Starting at the right class will let you move from class to class successfully and get to the point you need in the shortest amount of time. A Counselor can show you the skills needed for each class and help you decide.



### Literature Classes:



\*Meets associate degree graduation requirement in English but does not fulfill the transfer requirement to CSU or UC.



## Visit The Writing Center In the Learning Center 3<sup>rd</sup> floor of the Library Building

Monday - Thursday  
Friday  
Saturday

7:30 a.m. - 4:30 p.m.  
7:30 a.m. - 4:00 p.m.  
9:00 a.m. - 1:00 p.m.

Ref Sec Days Time Type/Units Room Instructor

**ENGLISH**

**ENGL 101 Freshman Composition 4.00 Units**

Instruction in writing compositions from personal, reflective, and argumentative perspectives.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) ENGL 2*

*CAN (California Articulation Number) ENGL SEQ A*

*PREREQUISITE: ENGL 015 OR eligibility for ENGL 101 as*

*determined through the Crafton Hills College assessment process*

0444	02	MW	07:00a-08:50a	LEC 4.00	CL-217	Gardner,R
0446	03	MW	09:00a-10:50a	LEC 4.00	CL-108	Gardner,R
0448	04	MW	09:00a-10:50a	LEC 4.00	CL-109	Snowwhite,M
0450	23	MW	09:00a-10:50a	LEC 4.00	CL-217	Boehm,R
0452	05	MW	11:00a-12:50p	LEC 4.00	CL-217	Estus,S
0454	06	MW	11:00a-12:50p	LEC 4.00	CL-219	Anderson,J
0456	07	MW	11:00a-12:50p	LEC 4.00	OE2-219	Strong-Millsap,J
0458	08	MW	01:00p-02:50p	LEC 4.00	CL-219	Anderson,J
0460	09	MW	01:00p-02:50p	LEC 4.00	OE2-219	Estus,S
0462	10	MW	01:00p-02:50p	LEC 4.00	CL-110	McDole,B
0464	11	MW	03:00p-04:50p	LEC 4.00	CL-217	Swanson,W
0466	12	TTH	09:00a-10:50a	LEC 4.00	CL-217	Snowwhite,M
0468	14	TTH	09:00a-10:50a	LEC 4.00	CL-219	Cannon,J
0470	13	TTH	11:00a-12:50p	LEC 4.00	CL-217	Cannon,J
0472	15	TTH	11:00a-12:50p	LEC 4.00	CL-219	Hamlett,C
0474	16	TTH	11:00a-12:50p	LEC 4.00	CL-108	Eastmond,E
0476	17	TTH	01:00p-02:50p	LEC 4.00	CL-108	Scaliter,B
0478	18	TTH	01:00p-02:50p	LEC 4.00	CL-219	Hamlett,C
0480	19	TTH	03:00p-04:30p	LEC 4.00	OE2-216	Blades,J

0482 24 TTH 03:00p-05:40p LEC 4.00 OE2-214A Staff  
 Note: Ref. No. 0482 - 13 week class: 02/11 - 05/15

0484 70 ARR 4 HRS/WK LEC 4.00 DiPonio,G  
 Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).  
 Instructor email address: gdiponio@craftonhills.edu.

0486 71 ARR 4 HRS/WK LEC 4.00 DiPonio,G  
 Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).  
 Instructor email address: gdiponio@craftonhills.edu.

0488 73 ARR 4 HRS/WK LEC 4.00 DiPonio,G  
 Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).  
 Instructor email address: gdiponio@craftonhills.edu.

0490	20	MW	07:00p-08:50p	LEC 4.00	CL-217	Swanson,W
0492	21	TTH	05:00p-06:50p	LEC 4.00	CL-219	Jensen,D
0494	22	TTH	07:00p-08:50p	LEC 4.00	CL-219	Jensen,D

Ref Sec Days Time Type/Units Room Instructor

**ENGL 102 Intermediate Composition and Critical Thinking 4.00 Units**

Instruction in writing compositions reflecting critical thinking and employing rhetorical skills beyond those taught in Freshman Composition (ENGL 101), including summary, analysis, evaluation, rebuttal, and argument. Includes instruction in the analysis of argumentative prose, various rhetorical techniques, the principles of inductive and deductive reasoning, and the informal fallacies. Requires substantial analytical reading and writing.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: ENGL 101*

0496	01	MW	07:00a-08:50a	LEC 4.00	CL-219	Cowles,R
0498	02	MW	09:00a-10:50a	LEC 4.00	CL-219	Cowles,R
0500	03	MW	03:00p-04:50p	LEC 4.00	CL-108	Staff
0502	04	TTH	11:00a-12:50p	LEC 4.00	CL-109	DiPonio,G
0504	05	TTH	03:00p-04:50p	LEC 4.00	CL-219	Farrell,K

0506 10 TTH 03:00p-05:20p LEC 4.00 CL-107 Baker, D  
 Note: Ref. No. 0506 - 13 week class: 02/11 - 05/14

0508 09 F 08:00a-11:50a LEC 4.00 CL-216 Bouslough,G  
 NOTE: Students enrolled in this section may elect to take this course for honors credit.

0510	06	MW	05:00p-06:50p	LEC 4.00	CL-108	Rawley,J
0512	07	MW	07:00p-08:50p	LEC 4.00	CL-219	Rawley,J
0514	08	TTH	05:00p-06:50p	LEC 4.00	CL-108	Staff

**ENGL 120 Fundamentals of News Writing 3.00 Units**

Study of the basic principles of journalism. Development of skills associated with evaluating, gathering and writing news in accepted journalistic style.

*This course is also offered as JOUR-120.*

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: ENGL 101*

0516	01	TTH	11:00a-12:20p	LEC 3.00	CL-110	Hansler,K
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**ENGL 127X4 Literary Magazine Production: The Sand Canyon Review 3.00 Units**

This course provides a hands-on experience for English, Journalism, and other writing-related majors to develop their writing and publishing abilities.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*Note: ENGL 127X4 may be taken 4 times*

*PREREQUISITE: ENGL 101*

0518	01	M	03:00p-04:50p	LAB 3.00	OE2-214A	Bartlett,R
		ARR	6.5 HRS/WK	LAB	OE2-214A	Bartlett,R

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**ENGL 146 Writing for Business and the Professions 4.00 Units**

Instruction in writing business compositions from personal, reflective, and argumentative perspectives.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*PREREQUISITES: ENGL 015 or BUSAD 145/SPEECH 145 or eligibility for ENGL 101 or ENGL 146 as determined through the Crafton Hills College assessment process*

0520	01	MW	01:00p-02:50p	LEC 4.00	LADM-220	Langenfeld,E
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NOTE: This section is linked to OCA 180-01. This means students enrolling in ENGL 146-01(directly above) must also enroll and remain enrolled in OCA 180-01. For more information about this learning community, see a counselor or see page 15.  
NOTE: Students enrolled in this section may elect to take this course for honors credit.

**ENGL 152 Intermediate Composition and Literature 4.00 Units**

Study of fiction, poetry, and drama, with emphasis on the fundamental principles of literary criticism and interpretation. Instruction in writing compositions about literature.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) ENGL 4*

*CAN (California Articulation Number) ENGL SEQ A*

*PREREQUISITE: ENGL 101*

0522	01	MW	11:00a-12:50p	LEC 4.00	CL-109	Bartlett,R
0524	02	M	06:00p-09:50p	LEC 4.00	CL-107	Acquistapace,K

**ENGL 155 Children's Literature 3.00 Units**

Study of literature written for children. Books discussed in the course are essentially books for children, but values common to all significant literature are emphasized.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: ENGL 015 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process*

0526	01	MW	11:00a-12:20p	LEC 3.00	CL-108	Langenfeld,E
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NOTE: Students enrolled in this section may elect to take this course for honors credit.

0528	02	T	06:00p-08:50p	LEC 3.00	CL-107	Bouslough,G
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**ENGL 170 The Film Experience 3.00 Units**

Study of the basic elements of film art.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATION: ENGL 015 or eligibility for ENGL 101 as determined through the Crafton Hills College assessment process*

0530	01	T	07:00p-09:50p	LEC 3.00	PAC-309	Race,A
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Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**ENGL 232 Creative Writing 3.00 Units**

Study of the techniques of creative writing, with an emphasis on the improvement of the student's ability to write effectively within the framework of a literary genre—fiction, drama or poetry.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) ENGL 6*

*PREREQUISITE: Eligibility for ENGL 101*

0532	01	W	07:00p-09:50p	LEC 3.00	CL-110	Acquistapace,K
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**ENGL 250 Fiction 3.00 Units**

Study of fiction as a literary genre through readings, in-class discussion, and analytical assignments. Emphasis will be on a particular type of fiction.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: ENGL 101*

0534	01	MW	01:00p-02:20p	LEC 3.00	CL-107	Race,A
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ENGL 250 is being offered as Noir: The Dark Side. An examination of detective and noir fiction and its influence on art, film, and music. The class will study short stories, novels, and nonfiction texts, ranging from 1930s to contemporary.

**ENGL 261 Survey of American Literature II 3.00 Units**

An analysis of representative literary works of significant American writers since the Civil War through the present that includes the study of the historical and social context of the literature, and lives of important writers.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) ENGL 16*

*CAN (California Articulation Number) ENGL SEQ C*

*PREREQUISITE: ENGL 101*

0536	01	TTH	01:00p-02:20p	LEC 3.00	CL-110	Acquistapace,K
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**ENGL 275 Shakespeare 3.00 Units**

Study of the plays and poems of Shakespeare, as well as the cultural context in which the works were created. Analysis of the literature from both historical and contemporary perspectives.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: ENGL 101*

0538	01	TTH	09:00a-10:20a	LEC 3.00	CL-216	Scaliter,B
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Ref Sec Days Time Type/Units Room Instructor

## FIRE TECHNOLOGY

### **FIRET 049 Basic Firefighter Physical Fitness 2.00 Units**

Physical fitness exercise, teamwork, disciplined precision cadence drilling and preparation for the fire agility physical fitness testing requirement for fire academy cadets.

*Graded on Credit/No Credit basis only.  
Associate Degree Applicable  
COREQUISITE: FIRET 115*

0540	01	MTWTHF	06:30a-06:39a	LEC 2.00	OE2-205	Boucher,N
		MTWTHF	06:50a-08:09a	LAB	OE2-205	Boucher,N
Note: Ref. No. 0540 - 11 week class: 02/11 - 04/28						

### **FIRET 087 Fire Investigation 1A 2.50 Units**

Study of the principles of fire behavior; building construction; point of fire origin determination; motives of the fire setter; accidental ignition sources; incendiary fire indicators; structure of fire investigation; vehicle fire investigation; fire fatalities; investigation tools and documentation techniques; report writing; evidence recognition, documentation, and preservation; legal aspects of fire investigation; explosives and incendiary devices; juvenile fire setters; wildland fire investigation.

*Associate Degree Applicable*

0542	01	FS	09:00a-12:50p	LEC 2.50	OE2-214C	Koeper,J
Note: Ref. No. 0542 - 8 week class: 01/18 - 03/08						
Class will meet on the following Fridays: January 18, 25, February 1, 15, 22, 29 and March 7 as well as the following Saturdays: February 2, March 1 and 8.						

### **FIRET 088 Fire Investigation 1B 2.50 Units**

Study of the principles of evidence collection and preservation, report writing, the juvenile fire setter, Penal Code and other statutory provisions. Further develops principles learned in Fire Investigation 1A.

*Associate Degree Applicable  
PREREQUISITE: FIRET 087*

0544	01	FS	09:00a-12:50p	LEC 2.50	OE2-214C	Koeper,J
Note: Ref. No. 0544 - 8 week class: 03/21 - 05/09						
Class will meet on the following Fridays: March 21, 28, April 4, 11, 18, 25, May 2 and 9 as well as the following Saturdays: April 5 and 26.						

Ref Sec Days Time Type/Units Room Instructor

### **FIRET 100 Fire Protection Organization 3.00 Units**

Provides an introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics. This course is a prerequisite for the Firefighter I Basic Training Academy.

*Associate Degree Applicable  
Course credit transfers to CSU.*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 and MATH 090 as determined through the Crafton Hills College assessment process*

0546	01	M	01:00p-03:50p	LEC 3.00	OE2-214C	Koeper,J
0548	02	TTH	09:00a-10:20a	LEC 3.00	OE2-214C	Koeper,J
0550	03	T	07:00p-09:50p	LEC 3.00	OE2-214C	Miescher,J

### **FIRET 101 Fire Prevention Technology 3.00 Units**

This course provides fundamental information regarding the history and philosophy of fire prevention, organization and operation of a fire prevention bureau, use of fire codes, identification and correction of fire hazards, and the relationships of fire prevention with built-in fire protection systems, fire investigation, and fire and life-safety education. This is a prerequisite course for the Fire Academy.

*Associate Degree Applicable  
Course credit transfers to CSU.*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 and MATH 090 or higher*

0552	01	M	09:00a-11:50a	LEC 3.00	OE2-214C	Koeper,J
0554	03	TTH	11:00a-12:20p	LEC 3.00	OE2-214C	Koeper,J
0556	02	M	07:00p-09:50p	LEC 3.00	OE2-214C	Overstreet-Murphy,P

### **FIRET 102 Fire Behavior and Combustion 3.00 Units**

Theory and fundamentals of how and why fires start, spread, and are controlled. An in-depth study of fire chemistry and physics, fire characteristics of materials, extinguishing agents, and fire control techniques.

*Associate Degree Applicable  
Course credit transfers to CSU.*

*PREREQUISITE: FIRET 100*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 and MATH 095 or higher*

0558	01	T	01:00p-03:50p	LEC 3.00	OE2-214C	Koeper,J
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### **FIRET 106 Fire Protection Hydraulics and Water Supply 3.00 Units**

This course provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and to solve water supply problems.

*Associate Degree Applicable  
Course credit transfers to CSU.*

*PREREQUISITE: FIRET 100*

0560	01	TH	07:00p-09:50p	LEC 3.00	OE2-205	Estrada,C
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Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## FIRE TECHNOLOGY

MANDATORY ORIENTATION: Wednesday, January 23, 2008 from 9:00 a.m. to 12 Noon in OE2-205 for all students registering in FIRET 115

### FIRET 115 Firefighter I Basic Training Academy **12.50 Units**

The Crafton Hills College Fire Academy includes introduction to basic fire fighting theory and skills, study of the characteristics and behavior of fire, hazardous materials response techniques, incident command principles and rescue techniques.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*PREREQUISITE: Admission to the Academy*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 and MATH 090 or higher*

*COREQUISITE: FIRET 049*

0562	01	MTWTHF	09:00a-10:50a	LEC 12.50	OE2-205	Sullivan,D
		MTWTHF	11:00a-12:50p	LAB	OE2-205	Sullivan,D
		MTWTHF	02:00p-05:50p	LAB	OE2-205	Sullivan,D

Note: Ref. No. 0562 - 11 week class: 02/11 - 04/28

FINANCIAL AID ALERT: When taken alone, this class will not qualify for, or will reduce eligibility for, Federal Financial Aid. Contact the Financial Aid Office (CL-214).

### FIRET 118 Wildland Fire Control **3.00 Units**

Study of the factors affecting wildland fire prevention, behavior, and control techniques.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 and MATH 095*

0564	01	W	07:00p-09:50p	LEC 3.00	OE2-205	Gaddy,D
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### FIRET 198 Fire Technology Worksite Learning **2.00-4.00 Units**

Direct on-the-job experience. Students will develop goals and objectives that demonstrate critical thinking and problem solving skills within the context of a specific discipline/job.

*Associate Degree Applicable*

*Course credit limited transfer to CSU.*

*Contact a counselor for details.*

*PREREQUISITE: Completed or currently enrolled in a fire technology course*

*COREQUISITES: Must be working either paid or unpaid at a job directly related to the student's fire technology educational or occupational goal*

0566	01	ARR	10 HRS/WK	WRKEX 2.00	OE2-205	McCormick,K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.						

0568	02	ARR	15 HRS/WK	WRKEX 3.00	OE2-205	McCormick,K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.						

0570	03	ARR	20 HRS/WK	WRKEX 4.00	OE2-205	McCormick,K
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.						

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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### FIRET 902X4 Firefighter Physical Agility Preparation **2.50 Units**

Preparation of pre-entry level fire technology students to develop a program of fitness and wellness and successfully pass a job related physical agility examination. Instruction in nutrition, fitness, physical development and the necessary agility skills.

*Not Applicable to the Associate Degree*

*Note: FIRET 902X4 may be taken 4 times*

*DEPARTMENTAL RECOMMENDATION: PE/I 070X4*

0572	01	TTH	09:00a-09:48a	LEC 2.50	OE2-216	Staff
		TTH	10:00a-11:40a	LAB	OE2-216	Staff

Note: Ref. No. 0572 - 10 week class: 02/12 - 04/24

## GEOGRAPHY

### GEOG 110 Physical Geography **3.00 Units**

A spatial study of Earth's dynamic physical systems and processes.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) GEOG 2*

*DEPARTMENTAL RECOMMENDATION: Concurrent enrollment in GEOG 111*

0574	02	W	07:00p-09:50p	LEC 3.00	LADM-106	Hughes,R
NOTE: Students enrolled in this section may elect to take this course for honors credit.						

### GEOG 111 Physical Geography Laboratory **1.00 Units**

Laboratory to accompany GEOG 110. Geographic tools will be utilized to explore, understand, and identify the interrelationships of our atmosphere, hydrosphere, lithosphere, and biosphere.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE/COREQUISITE: GEOG 110*

0576	01	M	07:00p-09:50p	LAB 1.00	LADM-106	Hughes,R
NOTE: Students enrolled in this section may elect to take this course for honors credit.						

### GEOG 175 Introduction to Information Mapping **3.00 Units**

For further details go to [www.craftonhills.edu/Classes & Programs](http://www.craftonhills.edu/Classes%20&%20Programs)

## GEOLOGY

### GEOG 100 Physical Geology **4.00 Units**

An introduction to the study of the earth with emphasis on the materials that make up the earth with corresponding laboratory exercises.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) GEOL 2*

0580	01	TTH	11:00a-12:20p	LEC 4.00	LADM-106	Hughes,R
		T	01:30p-04:20p	LAB	LADM-106	Hughes,R

NOTE: Students enrolled in this section may elect to take this course for honors credit.

Ref Sec Days Time Type/Units Room Instructor

**GEOL 101 Introduction to Geology 3.00 Units**

An introduction to the study of the earth with emphasis on the materials that make up the earth. Lecture is the same as GEOL 100.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*

0582 01 TTH 11:00a-12:20p LEC 3.00 LADM-106 Hughes,R  
 NOTE: Students enrolled in this section may elect to take this course for honors credit.

	0584	60	T	05:00p-06:50p	LEC 3.00	LADM-106	Hughes,R
				01/22/08			
			T	05:00p-06:50p	LEC	LADM-106	Hughes,R
				02/12/08			
			T	05:00p-06:50p	LEC	LADM-106	Hughes,R
				03/04/08			
		T	05:00p-06:50p	LEC	LADM-106	Hughes,R	
			04/02/08				
		T	05:00p-06:50p	LEC	LADM-106	Hughes,R	
			04/23/08				
		ARR		3.00 HRS/WK	LEC		Hughes,R

Note: Ref. No. 0584 - 13 week class: 01/22 - 04/23  
 This telecourse includes televised lectures aired weekly on KVCR-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Lab/Administration Building (LADM), Room 106 at CRAFTON HILLS COLLEGE. Students may complete the companion campus-based lab course by concurrently enrolling in GEOL 160. Please see the Distributed Education section of this schedule for more detailed information.

**GEOL 112 Historical Geology 4.00 Units**

Introduction to the study of the geologic history of the Earth with emphasis on the development of North America. Field studies are required.

*Associate Degree Applicable*  
*Course credit transfers to CSU.*  
*Limited transfer to UC; contact a counselor for details.*  
 DEPARTMENTAL RECOMMENDATIONS: GEOL 100 or GEOL 101 and GEOL 160

0586 01 MW 09:00a-10:20a LEC 4.00 LADM-106 Hughes,R  
 W 01:30p-04:20p LAB LADM-106 Hughes,R

**GEOL 113 Earth and Life History 3.00 Units**

Introduction to the study of the geologic history of the Earth with emphasis on the development of North America. Field studies are required.

*Associate Degree Applicable*  
*Course credit transfers to CSU.*  
*Limited transfer to UC; contact a counselor for details.*  
 DEPARTMENTAL RECOMMENDATIONS: GEOL 100 or GEOL 101 and GEOL 160

0588 01 TTH 09:00a-10:20a LEC 3.00 LADM-106 Hughes,R

Ref Sec Days Time Type/Units Room Instructor

**GEOL 160 Geology Laboratory 1.00 Units**

Laboratory exercises designed to utilize the tools of geologic inquiry, including physical properties of minerals and rocks, aerial photographs, geologic maps, Brunton compass, Geographic Information Systems (GIS), Global Positional Systems (GPS), and field studies. The laboratory studies are closely coordinated with GEOL 100/101 lecture topics.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
 PREREQUISITE/COREQUISITE: GEOL 101

0590 01 T 01:30p-04:20p LAB 1.00 LADM-106 Hughes,R

**GEOL 175X4 Geology of the Eastern Mojave Desert 1.00 Unit**

Discussion and observation of the physical and historical geology and natural history of the Great Basin Geomorphic Province of the United States, with specific emphasis on the geology of the Eastern Mojave Desert. Students must attend a field trip to successfully complete the course.

*Associate Degree Applicable*  
*Course credit transfers to CSU.*  
 Note: GEOL 175X4 may be taken 4 times

0592 01 ARR .5 HRS/WK LEC 1.00 LADM-106 Hughes,R  
 ARR 2 HRS/WK LAB OFFF-FLD Hughes,R

Note: Required weekend field trip to the Eastern Mojave Desert. All participants pay an accommodations fee. THE CLASS WILL MEET 3 TUESDAYS - January 29, February 19, and April 08 from 5:00-6:50 p.m. IN THE LAB/ADMINISTRATION BUILDING (LADM), ROOM 106. The mandatory field trip to the Eastern Mojave Desert will take place from April 18-20, 2008. Field trip logistics will be arranged at the individual meetings earlier in the semester.

**HEALTH EDUCATION**

**HEALTH 102 Biological Principles of Health 3.00 Units**

Examines the nature and scope of healthful living, including the principles of health resources, trends in disease prevalence, infectious and non-infectious diseases and the risk factors associated with them (smoking, substance abuse, improper diet and inactivity).

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*

0594 01 MWF 09:00a-09:50a LEC 3.00 BC-101 Maloney,C  
 0596 02 MWF 10:00a-10:50a LEC 3.00 BC-101 Maloney,C

0598 07 MW 01:00p-02:50p LEC 3.00 BC-101 Ledoux,J  
 Note: Ref. No. 0598 - 13 week class: 02/11 - 05/14

0600 03 TTH 09:00a-10:20a LEC 3.00 CHS-122 Baron,P  
 0602 04 TTH 01:00p-02:20p LEC 3.00 LADM-224 Malik,N  
 0604 05 T 07:00p-09:50p LEC 3.00 LADM-224 Malik,N  
 0606 06 W 07:00p-09:50p LEC 3.00 OE1-127 Maloney,C

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## HEALTH EDUCATION

### HEALTH 263 Nutrition and Health 3.00 Units

Review of the literature on the basic nutrients: protein, fat, carbohydrate, vitamins, minerals and water. Development of the skills necessary to analyze, evaluate, and prescribe a dietary intake for healthy individuals. The relationship between lifestyle factors and disease in America is also examined, along with an in-depth analysis of emotional stress.

*This course is also offered as PE-263.*

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATION: MATH 952 or eligibility for MATH 090 as determined through the Crafton Hills College assessment process*

0608	01	MW	07:30a-08:50a	LEC 3.00	CHS-122	Baron,P
0610	03	TTH	01:00p-02:50p	LEC 3.00	BC-104	Ledoux,J
Note: Ref. No. 0610 - 13 week class: 02/11 - 05/15						
0612	02	M	7:00p-09:50p	LEC 3.00	LADM-121	Moses,O

## HISTORY

### HIST 100 History of the United States to 1877 3.00 Units

Survey of American history from the pre-Columbian period to the end of the Reconstruction Era in 1877.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) HIST 8*

*CAN (California Articulation Number) HIST SEQ B*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level*

0614	01	MWF	09:00a-09:50a	LEC 3.00	LADM-121	Perez,M
0616	02	MWF	11:00a-11:50a	LEC 3.00	BC-101	Perez,M
0618	03	T	07:00p-09:50p	LEC 3.00	BC-101	Perez,M
0620	60	W	07:00p-08:50p	LEC 3.00	LADM-224	Perez,M
			01/30/08			
		W	07:00p-08:50p	LEC	LADM-224	Perez,M
			02/20/08			
		W	07:00p-08:50p	LEC	LADM-224	Perez,M
			03/19/08			
		W	07:00p-08:50p	LEC	LADM-224	Perez,M
			04/09/08			
		W	07:00p-08:50p	LEC	LADM-224	Perez,M
			04/30/08			
		ARR	4.15 HRS/WK	LEC		Perez,M



Note: Ref. No. 0620 - 13 week class: 01/30 - 04/30

This telecourse includes televised lectures aired weekly on KVCR-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Lab/Administration Building (LADM), Room 224 at CRAFTON HILLS COLLEGE. Please see the Distributed Education section of this schedule for more detailed information.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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### HIST 101 History of the United States 1865 to Present 3.00 Units

Survey of American history from 1865 to the post-industrial, consumer society of the early 21st century.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) HIST 10*

*CAN (California Articulation Number) HIST SEQ B*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level*

0622	01	MWF	08:00a-08:50a	LEC 3.00	BC-101	Perez,M
0624	03	TTH	09:30a-10:50a	LEC 3.00	BC-101	Beitscher,J
Note: This section is linked to LIBR 100-02. This means students enrolling in HIST 101-03 (directly above) must also enroll and remain enrolled in LIBR 100-02. For more information about this learning community, see a counselor or see page 15.						
0626	02	TTH	01:00p-02:50p	LEC 3.00	BC-101	Beitscher,J
Note: Ref. No. 0626 - 13 week class: 02/12 - 05/15						
0628	60	S	08:00a-09:50a	LEC 3.00	BC-101	Perez,M
			01/19/08			
		S	08:00a-09:50a	LEC	BC-101	Perez,M
			02/09/08			
		S	08:00a-09:50a	LEC	BC-101	Perez,M
			03/01/08			
		S	08:00a-09:50a	LEC	BC-101	Perez,M
			03/29/08			
		S	08:00a-09:50a	LEC	BC-101	Perez,M
			04/19/08			
		ARR	4.15 HRS/WK	LEC		Perez,M
Note: Ref. No. 0628 - 13 week class: 01/19 - 04/19						
This course includes televised lectures aired weekly on KVCR-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Bookstore Complex Building (BC), Room 101 at CRAFTON HILLS COLLEGE. Please see the Distributed Education section of this schedule for more detailed information.						
0630	04	TH	07:00p-09:50p	LEC 3.00	CHS-122	Perez,M



Priority Web/Telephone Registration for  
EOPS, DSP&S, and CalWORKs students  
October 31-November 2, 2007

Priority Web/Telephone Registration  
November 5, 2007-January 13, 2008

Ref Sec Days Time Type/Units Room Instructor

**HIST 161 History of Western Civilization:  
From the Renaissance to the Cold War**  
**3.00 Units**

Survey of the political, economic, social, and intellectual developments that form the basis for Western Civilization from the Renaissance to the Cold War.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
*CAN (California Articulation Number) HIST 4*  
*CAN (California Articulation Number) HIST SEQ A*  
**DEPARTMENTAL RECOMMENDATION:** *Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process*

	0632	60	TH	07:00p-08:50p	LEC	3.00	LADM-121	Beitscher,J
				01/17/08				
			TH	07:00p-08:50p	LEC		LADM-121	Beitscher,J
				02/28/08				
			TH	07:00p-08:50p	LEC		LADM-121	Beitscher,J
				03/27/08				
		TH	07:00p-08:50p	LEC		LADM-121	Beitscher,J	
			04/17/08					
		TH	07:00p-08:50p	LEC		LADM-121	Beitscher,J	
			05/08/08					
		ARR	3.38 HRS/WK	LEC				Beitscher,J

Note: Ref. No. 0632 - 16 week class: 01/17 - 05/08

This telecourse includes televised lectures aired weekly on KVCR-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Lab/Administration Building (LADM), Room 121 at CRAFTON HILLS COLLEGE. Please see the Distributed Education section of this schedule for more detailed information.

**HIST 171 World Civilizations (1500 CE to the Present)**  
**3.00 Units**

Study of cross-cultural history emphasizing the art and literature, philosophy and religion, family and society, as well as the political, economic and technological contributions of the world's civilizations from 1500CE to the present.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
*CAN (California Articulation Number) HIST 16*  
*CAN (California Articulation Number) HIST SEQ C*  
**DEPARTMENTAL RECOMMENDATION:** *Eligibility for ENGL 101*

0634	01	TTH	11:00a-12:20p	LEC	3.00	BC-101	Costello,G Sherman,S
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NOTE: Students enrolled in this section may elect to take this course for honors credit.

**Vanessa Y. Riehm**  
**2007 Mathematics Graduate**



"When I first decided to attend Crafton, I was a little intimidated because I was returning at an older age," said 34-year-old Vanessa Riehm, 2007 CHC math graduate. "I thought perhaps now it would be too hard to learn new things or maybe I would not fit in anywhere. My experiences at Crafton have been eye opening. I now have no doubts in my abilities to succeed."

Riehm discovered she had a penchant for math.

"I was encouraged by Sherri Wilson, my first math professor at CHC, to pursue Mathematics," Riehm said. "She and (math Professor) Jodi Hanley have inspired me to be a role model for other females considering the math field, which traditionally is dominated by males."

Riehm, a married mom of three children, recognized the importance of assistance from Financial Aid and the Extended Opportunity Programs and Services (EOPS) Office.

"Without this assistance, I would not have been able to afford school," she said. "My EOPS Counselor, Troy Dial, is very knowledgeable, kindhearted, and supportive. They convinced me that I would be able to afford college and helped me each step of the way."

"I have made a few unwise choices in my past, but coming to Crafton now was the best decision that I could have made," she said. "I feel that it is very important for me to succeed and show my children that there are many opportunities offered if they pursue them. It is important to share with them not only the good times, but also the struggles so they will have a firmer grasp on what to expect when they attend college."

Riehm earned the Noyce Scholarship, offered through California State University San Bernardino (CSUSB), which provides \$10,000 for two years to pursue a career as a teacher. She also earned the Edison Scholarship for \$5,000, and she earned the Eaton Family Scholarship.

"I am glad my children were there to see me receive my scholarships and graduate," she said. "They see that hard work does pay off."

Riehm's goal is to become a math professor and to return to CHC as an instructor.

"I have a very inquisitive mind and the pursuit of an education comes naturally to me," said Riehm, who is currently attending CSUSB. "Even after I receive my degrees and pursue my career, I plan to remain a life long student."

**For current updated information on classes,  
go to [www.craftonhills.edu](http://www.craftonhills.edu)**

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## INTERDISCIPLINARY STUDIES

### INTDIS 140 Humanities Through the Arts 3.00 Units

Study of humanities through seven major arts: film, drama, music, literature, painting, sculpture, and architecture. Development of the understanding of historical context, basic elements, meaning, form, and critical evaluation skills as they relate to art.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATION: Eligibility for ENGL 101*

0636	01	TH	06:00p-08:50p	LEC 3.00	CL-107	Acquistapace,K
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### INTDIS 200A The Honors Experience: World War I 3.00 Units

In-depth study of the political, economic, social and cultural aspects of World War I, from its origins to its aftermath through the 1920s and 1930s.

*Associate Degree Applicable*

*Course credit transfers to CSU and UC.*

*PREREQUISITE: ENGL 101*

0638	01	MW	01:00p-02:50p	LEC 3.00	BC-104	Beitscher,J
Note: Ref. No. 0638 - 14 week class: 02/28 - 05/14						

## JOURNALISM

### JOUR 120 Fundamentals of News Writing 3.00 Units

Study of the basic principles of journalism. Development of skills associated with evaluating, gathering and writing news in accepted journalistic style.

*This course is also offered as ENGL-120.*

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: ENGL 101*

0640	01	TTH	11:00a-12:20p	LEC 3.00	CL-110	Hansler,K
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## LEARNING RESOURCES

### LRC 050 Tutor Training 1.00 Unit

Basic tutoring instruction using classic learning theories and differences in learning style. Designed for current peer tutors and those interested in tutoring; introduction to basic instructional methodology and its applications to different tutoring situations; highlights of specific problems that may interfere with learning and tutoring.

*Associate Degree Applicable*

0642	01	TH	03:00p-05:20p	LEC 1.00	LR-347	Matthews,D
		ARR	2.7 HRS/WK	LAB	LR-347	Matthews,D
Note: Ref. No. 0642 - 5 week class: 01/31 - 02/28						
Note: The first class meeting will be held on Thursday, January 31 at 3:00 p.m. in LR 347.						

0644	02	ARR	1.68 HRS/WK	LEC 1.00	LR-347	Matthews,D
		ARR	1.68 HRS/WK	LAB	LR-347	Matthews,D
Note: Ref. No. 0644 - 8 week class: 03/17 - 05/09						

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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### LRC 900X4 Learning Resources Laboratory 0.00 Unit

Provides academic support services to students enabling them to succeed in various content area classes, such as English, Math, Science, Foreign Language, and vocational courses. Activities may include supervised individual or group tutorial services, computer-assisted instruction, video viewing and testing.

*Graded on Credit/No Credit basis only.*

*Noncredit Course*

*Note: LRC 900X4 may be taken 4 times*

*COREQUISITE: Enrollment in at least one other course at CHC*

Note: This noncredit course is designed for students seeking tutoring in the Learning Center. Enrollment in this no-cost course occurs at the time a tutoring request is made.

### LRC 960X4 Developmental Study Techniques 0.50 Units

This course provides individual instruction in such study techniques as note-taking, textbook reading and test preparation.

*Not Applicable to the Associate Degree*

*Note: LRC 960X4 may be taken 4 times*

0648	01	ARR	1.5 HRS/WK	LAB 0.50	LR-LC	Matthews,D
0650	02	ARR	3.37 HRS/WK	LAB 0.50	LR-LC	Matthews,D
Note: Ref. No. 0650 - 8 week class: 03/17 - 05/09						

0652	03	ARR	3 HRS/WK	LAB 1.00	LR-LC	Matthews,D
0654	04	ARR	6.75 HRS/WK	LAB 1.00	LR-LC	Matthews,D
Note: Ref. No. 0654 - 8 week class: 03/17 - 05/09						

0656	05	ARR	6 HRS/WK	LAB 2.00	LR-LC	Matthews,D
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## LIBRARY SCIENCE

### LIBR 100 Introduction to Library Research and Information Competency 3.00 Units

Introduces the fundamentals of information competency and the efficient use of library resources, electronic databases and the Internet through the process of evaluating, analyzing and citing research materials and relevant issues surrounding the access and use of information. This course will prepare students for college-level research in all disciplines.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

0658	01	MW	01:00p-02:20p	LEC 3.00	LR-309	Hendrickson,C Winningham,L
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0660	02	TTH	11:00a-12:20p	LEC 3.00	LR-309	Hendrickson,C
Note: This section is linked to HIST 101-03. This means students enrolling in LIBR 100-02 (directly above) must also enroll and remain enrolled in HIST 101-03. For more information about this learning community, see a counselor or see page 15.						

Ref Sec Days Time Type/Units Room Instructor

**MARKETING**

**MARKET 100 Marketing Principles 3.00 Units**

Principles and methods of marketing as practiced by all successfully managed business firms; covers such topics as demand analysis, forecasting, product development, price determination, distribution channels, material handling, advertising, and personal selling.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*DEPARTMENTAL RECOMMENDATIONS: ENGL 015; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level or equivalent*

0662 01 MWF 10:00a-10:50a LEC 3.00 BC-104 O'Toole,R

**MARKET 198 Marketing Worksite Learning 2.00-4.00 Units**

Direct on-the-job experience. Students will develop goals and objectives that demonstrate critical thinking and problem solving skills within the context of a specific discipline/job.

*Associate Degree Applicable*

*Course credit limited transfer to CSU.*

*Contact a counselor for details.*

*PREREQUISITE: Completed or currently enrolled in a marketing course*

*COREQUISITES: Must be working either paid or unpaid at a job directly related to the student's marketing educational or occupational goal*

0664 01 ARR 10 HRS/WK WRKEX 2.00 OE2-205 McCormick,K  
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

0666 02 ARR 15 HRS/WK WRKEX 3.00 OE2-205 McCormick,K  
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

0668 03 ARR 20 HRS/WK WRKEX 4.00 OE2-205 McCormick,K  
NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

Ref Sec Days Time Type/Units Room Instructor

**MATH**

If purchasing a used book for Math 942, new software must be purchased at an additional expense.

**MATH 942 Arithmetic 4.00 Units**

The study of the fundamental operations involving whole numbers, fractions, and decimals.

*Not Applicable to the Associate Degree*

0670	01	MWF	11:00a-11:50a	LEC	4.00	LR-348	Wilson,S
		M	12:00p-12:50p	LAB		LR-306	Staff
							Wilson,S
0672	02	MWF	11:00a-11:50a	LEC	4.00	LR-348	Wilson,S
		W	12:00p-12:50p	LAB		LR-306	Staff
							Wilson,S
0674	03	MWF	12:00p-12:50p	LEC	4.00	LR-348	Staff
		M	11:00a-11:50a	LAB		LR-306	Staff
							Staff
0676	04	MWF	12:00p-12:50p	LEC	4.00	LR-348	Staff
		W	11:00a-11:50a	LAB		LR-306	Staff
							Staff
0678	05	TTH	09:30a-10:50a	LEC	4.00	LR-348	Staff
		T	11:00a-11:50a	LAB		LR-306	Staff
							Staff
0680	06	TTH	09:30a-10:50a	LEC	4.00	LR-348	Staff
		TH	11:00a-11:50a	LAB		LR-306	Staff
							Staff
0682	07	TTH	01:30p-02:50p	LEC	4.00	LR-348	Staff
		T	03:00p-03:50p	LAB		LR-306	Staff
0684	08	TTH	01:30p-02:50p	LEC	4.00	LR-348	Staff
		TH	03:00p-03:50p	LAB		LR-306	Staff
0686	11	MW	07:00p-08:20p	LEC	4.00	LR-348	Staff
		M	08:30p-09:20p	LAB		LR-306	Staff
0688	12	MW	07:00p-08:20p	LEC	4.00	LR-348	Staff
		W	08:30p-09:20p	LAB		LR-306	Staff
0690	09	TTH	05:30p-06:50p	LEC	4.00	LR-348	Staff
		T	07:00p-07:50p	LAB		LR-306	Staff
0692	10	TTH	05:30p-06:50p	LEC	4.00	LR-348	Staff
		TH	07:00p-07:50p	LAB		LR-306	Staff

**MATH 943X2 Review Arithmetic Topics 0.50 Unit**

The review of a few specific fundamental operations involving whole numbers, fractions, or decimals, as determined by diagnostic information. Students requiring extensive review will be directed to MATH 942.

*Graded on Credit/No Credit basis only.*

*Not Applicable to the Associate Degree*

*Note: MATH 943X2 may be taken 2 times*

0694	01	MWF	07:30a-08:50a	LAB	0.25	LR-309	Wilson,S
		ARR	1.5HRS/WK	LAB	0.25		Wilson,S

Note: Ref. No. 0694 - 4 week class: 01/14 - 02/07

0696	02	TTH	07:00p-08:50p	LAB	0.50	LR-309	Staff
		ARR	2HRS/WK	LAB			

Note: Ref. No. 0696 - 4 week class: 01/14 - 02/07

Since there are often changes in faculty schedules, please check the online schedule at [www.craftonhills.edu](http://www.craftonhills.edu) for current faculty assignments.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## MATH

If purchasing a used book for Math 942, new software must be purchased at an additional expense.

### MATH 952 Prealgebra 4.00 Units

This course prepares students for elementary algebra, MATH 090, providing a transition from arithmetic to algebra, covering operations with signed numbers, solving simple single variable linear equations, combining like terms, ratios, proportions, percents and their applications, perimeter, area, and volume of common geometric figures. Fractions and decimals are reviewed throughout the course.

*Not Applicable to the Associate Degree*

**PREREQUISITE:** MATH 942 or equivalent as determined through the Crafton Hills College assessment process

0698	06	MWF	07:00a-08:50a	LEC 4.00	BC-104	Staff
Note: Ref. No. 0698 - 13 week class: 02/11 - 05/16						
0700	07	MWF	11:00a-12:50p	LEC 4.00	OE2-216	Staff
Note: Ref. No. 0700 - 13 week class: 02/11 - 05/16						
0702	04	MW	03:00p-04:50p	LEC 4.00	CHS-237	Staff
0704	01	TTH	09:00a-10:50a	LEC 4.00	CDC-115	Staff
0706	02	TTH	01:00p-02:50p	LEC 4.00	CHS-237	Henes,M
0708	03	MW	07:00p-08:50p	LEC 4.00	OE2-214A	Staff
0710	05	TTH	05:00p-06:50p	LEC 4.00	BC-105	Staff
0712	08	TTH	07:00p-09:45p	LEC 4.00	LR-348	Staff
Note: Ref. No. 0712 - 13 week class: 02/11 - 05/15						

### MATH 090 Elementary Algebra 4.00 Units

Manipulation of algebraic expressions including ones with integer exponents and factoring, solving increasingly difficult equations and their applications, graphing lines and drawing conclusions from the graph. Introduction of rational expressions. Students are expected to be proficient with the arithmetic of positive and negative numbers including fractions upon entering MATH 090.

*Associate Degree Applicable*

**PREREQUISITE:** MATH 952 or eligibility for MATH 090 as determined through the Crafton Hills College assessment process

0714	01	MTWTH	01:00p-02:50p	LEC 4.00	CL-111	Staff
Note: Ref. No. 0714 - 8 week class: 01/14 - 03/07						
0716	12	MWF	07:00a-08:50a	LEC 4.00	BC-105	Staff
Note: Ref. No. 0716 - 13 week class: 02/11 - 05/16						
0718	03	MW	09:00a-10:50a	LEC 4.00	CL-111	Ramirez,S
0720	02	MW	11:00a-12:50p	LEC 4.00	CL-111	Deming,M
0722	04	MW	03:00p-04:50p	LEC 4.00	CL-111	Deming,M
0724	05	TTH	07:00a-08:50a	LEC 4.00	CL-111	Staff
0726	11	TTH	09:00a-10:50a	LEC 4.00	CHS-237	Ramirez,S
0728	06	TTH	11:00a-12:50p	LEC 4.00	CL-111	Wilson,S
0730	07	TTH	03:00p-04:50p	LEC 4.00	BC-104	Crise,R
0732	08	MW	05:00p-06:50p	LEC 4.00	CL-111	Deming,M
0734	09	MW	07:00p-08:50p	LEC 4.00	CL-111	Deming,M
0736	10	TTH	05:00p-06:50p	LEC 4.00	CHS-237	Gibson,K
0738	13	TTH	07:00p-09:45p	LEC 4.00	CL-111	Staff
Note: Ref. No. 0738 - 13 week class: 02/11 - 05/15						

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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### MATH 095 Intermediate Algebra 4.00 Units

Study of rational exponents and radicals; quadratic, absolute value, rational and radical equations; complex numbers; absolute value, linear, non-linear, and systems of inequalities; operations with functions; introduction to exponential and logarithmic functions; graphs of the basic functions and their translations.

*Associate Degree Applicable*

**PREREQUISITE:** MATH 090 or eligibility for MATH 095 as determined through the Crafton Hills College assessment process

0740	13	MTWTH	01:00p-02:50p	LEC 4.00	CL-111	Staff
Note: Ref. No. 0740 - 9 week class: 03/17 - 05/15						
0742	01	MWF	07:00a-08:50a	LEC 4.00	CL-111	Staff
Note: Ref. No. 0742 - 13 week class: 05/16 - 05/22						
0744	02	MW	09:00a-10:50a	LEC 4.00	LR-348	Staff
0746	03	MW	11:00a-12:50p	LEC 4.00	CHS-237	Staff
0750	04	MW	03:00p-04:50p	LEC 4.00	LR-348	Staff
0752	05	TTH	07:00a-08:50a	LEC 4.00	CHS-237	Ramirez,S
0754	06	TTH	09:00a-10:50a	LEC 4.00	BC-104	Staff
0756	07	TTH	11:00a-12:50p	LEC 4.00	CHS-237	Ramirez,S
0758	08	TTH	03:00p-04:50p	LEC 4.00	CL-218	Staff
0760	09	MW	05:00p-06:50p	LEC 4.00	LR-348	Hanley,J
0762	14	MW	05:00p-06:50p	LEC 4.00	OE2-214A	Staff
Note: Ref. No. 0762 - 9 week class: 03/17 - 05/14						
0764	11	MW	07:00p-08:50p	LEC 4.00	CHS-237	Gibson,K
0766	10	TTH	05:00p-06:50p	LEC 4.00	CL-111	Henes,M
0768	12	TTH	07:00p-09:45p	LEC 4.00	BC-105	Staff
Note: Ref. No. 0768 - 13 week class: 02/12 - 05/15						

### MATH 102 College Algebra 4.00 Units

Study of logarithms, sequences, series, mathematical induction, the Binomial Theorem, graphing conic sections, inverse functions, operations with radicals, systems of quadratic equations, and solving systems of three or more linear equations in three or more variables by matrices, and determinants; introduction to graphing rational functions, and the theory of equations.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*Limited transfer to UC; contact a counselor for details.*

*CAN (California Articulation Number) MATH 10*

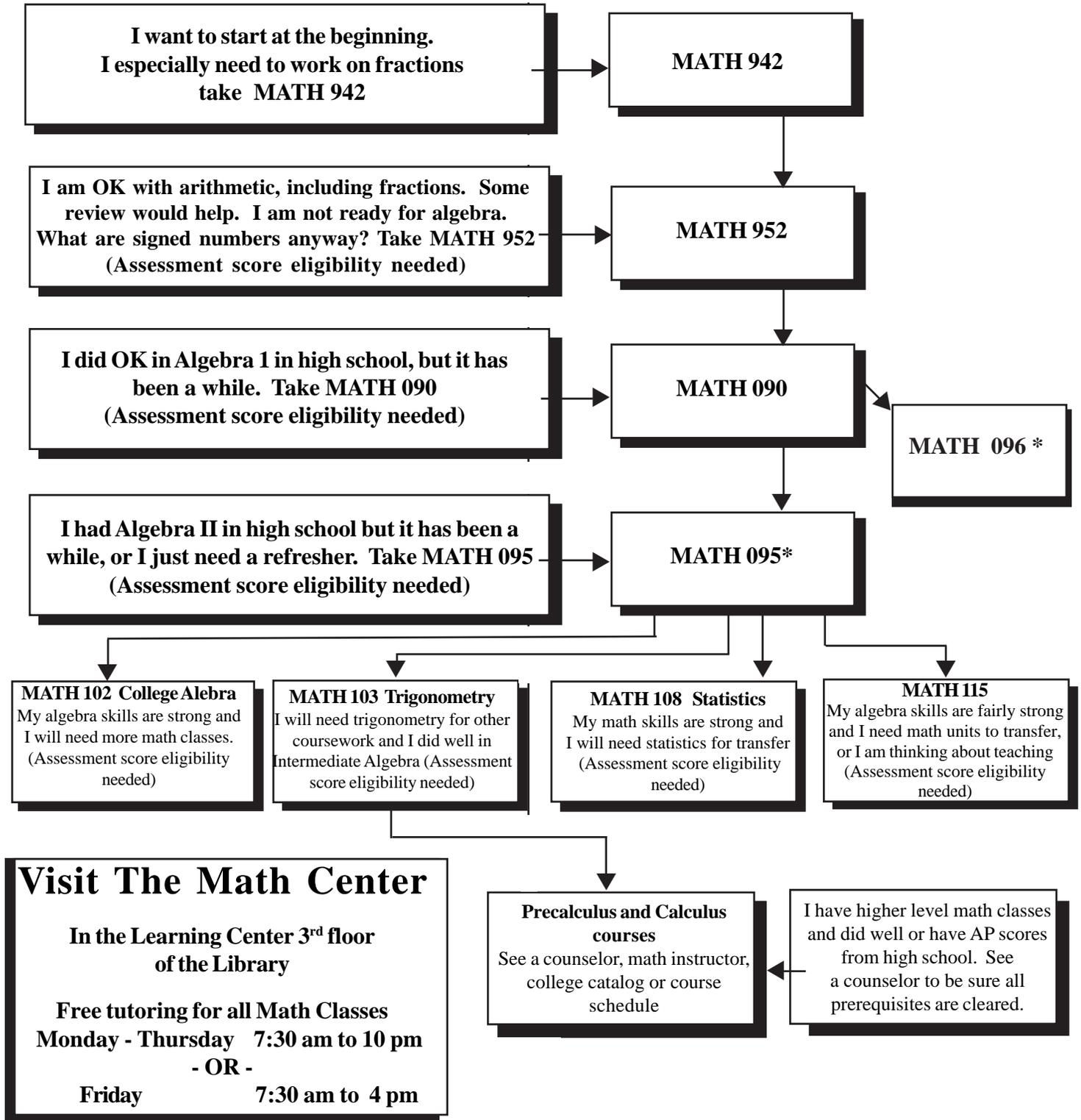
**PREREQUISITE:** MATH 095 or eligibility for MATH 102 as determined through the Crafton Hills College assessment process

0770	06	MWF	07:00a-08:50a	LEC 4.00	CDC-115	Staff
Note: Ref. No. 0770 - 13 week class: 02/11 - 05/16						
0772	02	MW	11:00a-12:50p	LEC 4.00	LR-309	Staff
0774	04	MW	01:00p-02:50p	LEC 4.00	CHS-237	Crise,R
0776	01	TTH	11:00a-12:50p	LEC 4.00	LR-348	Staff
0778	03	TTH	03:00p-04:50p	LEC 4.00	CHS-237	Hanley,J
0780	05	MW	05:00p-06:50p	LEC 4.00	CHS-237	Gibson,K
0782	07	TTH	07:00p-09:45p	LEC 4.00	CL-217	Staff
Note: Ref. No. 0782 - 13 week class: 02/11 - 05/15						

Since there are often changes in faculty schedules, please check the online schedule at [www.craftonhills.edu](http://www.craftonhills.edu) for current faculty assignments.

# Levels and Order of Mathematics Classes

The ability to think and reason using mathematical concepts is an essential skill. There are several starting points for you to enter at the right level. Starting at the right class will let you move successfully from class to class and to get to the point you need in the shortest amount of time. Start with the assessment test in the Counseling Center. Based on your eligibility determined on the assessment, choose the statement that best describes you, meet with a counselor to discuss the path and to be sure all prerequisites are cleared and follow that path. A counselor can also show you a sheet with the skills needed for each class and help you interpret the assessment scores. They also have a more detailed sheet explaining the differences between MATH 102, 108 and 115.



\* Meets associate degree graduation requirement for Mathematics

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**MATH 103 Plane Trigonometry 4.00 Units**

Study of the circular functions, DeMoivre's Theorem and applications. Emphasis is placed on mastering trigonometric identities and the solution of trigonometric equations.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*CAN (California Articulation Number) MATH 8*

*PREREQUISITE: MATH 095 or eligibility for MATH 103 as determined through the Crafton Hills College assessment process*

0784	01	MW	01:00p-02:50p	LEC 4.00	LR-348	Henes,M
0786	02	TTH	07:00a-08:50a	LEC 4.00	BC-105	Staff
0788	03	TTH	05:00p-06:50p	LEC 4.00	BC-104	Crise,R

**MATH 108 Statistics 4.00 Units**

Introduction to probability, descriptive and inferential statistics, with application to the natural sciences, business, economics, and behavioral sciences.

*This course is also offered as PSYCH-108.*

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) STAT 2*

*PREREQUISITE: MATH 095 or eligibility for MATH 108 as determined through the Crafton Hills College assessment process*  
*DEPARTMENTAL RECOMMENDATION: MATH 117*

0790	01	MW	01:00p-02:50p	LEC 4.00	CL-218	Pfahler,D
0792	02	TTH	11:00a-12:50p	LEC 4.00	CL-218	Pfahler,D
0794	03	TTH	05:00p-06:50p	LEC 4.00	CL-218	Pfahler,D

**MATH 115 The Ideas of Mathematics 3.00 Units**

Sets, propositional logic, and the applications to topics from discrete mathematics including enumeration techniques and finite probability spaces.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: MATH 095*

0796	01	MW	09:30a-10:50a	LEC 3.00	LR-309	Staff
0798	02	TTH	07:00p-08:20p	LEC 3.00	CHS-237	Gibson,K

**MATH 117 Computer Applications in Research 1.00 Units**

Introduction to computer use as a research tool using the Statistical Package for the Social Sciences (SPSS) and Excel. Training will include variable and data entry, test selection and running statistical analyses. Additional preparation will include generating tables, diagrams, graphs, charts and final report presentation.

*This course is also offered as PSYCH-117.*

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*COREQUISITE: MATH 108*

0800	01	M	07:00p-09:50p	LAB 1.00	LR-309	Brink,T
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Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**MATH 151 Precalculus 4.00 Units**

A preparation for calculus including the study of polynomials, trigonometric, logarithmic and exponential functions; inequalities; graphing techniques; sequences and series; conic sections; and the Binomial Theorem. An introduction to proofs and limits. Any trigonometry class will meet the prerequisite. Please see a counselor.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*Limited transfer to UC; contact a counselor for details.*

*CAN (California Articulation Number) MATH 16*

*PREREQUISITE: MATH 103 or eligibility for MATH 151*

*as determined through the Crafton Hills College assessment process*

0802	01	TTH	09:00a-10:50a	LEC 4.00	CL-111	Wilson,S
0804	02	MW	05:00p-06:50p	LEC 4.00	BC-104	Henes,M

**MATH 250 Single Variable Calculus I 4.00 Units**

Introduction to differential and integral calculus; including limits and continuity; algebraic and transcendental functions, and applications of differentiation.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) MATH 18*

*CAN (California Articulation Number) MATH SEQ B & C*

*PREREQUISITE: MATH 151 or eligibility as determined through the Crafton Hills College assessment process.*

0806	01	TTH	09:00a-10:50a	LEC 4.00	CL-107	Staff
0808	02	MW	05:00p-06:50p	LEC 4.00	CL-109	Staff

**MATH 251 Single Variable Calculus II 4.00 Units**

Methods of integration, applications of the integrals, improper integrals, conic sections, parametric equations, infinite series, and polar coordinates.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) MATH 20*

*CAN (California Articulation Number) MATH SEQ B & C*

*PREREQUISITE: MATH 250 or eligibility for MATH 251*

*as determined through the Crafton Hills College assessment process*

0810	01	TTH	09:00a-10:50a	LEC 4.00	LADM-112	Staff
0812	02	MW	05:00p-06:50p	LEC 4.00	LR-309	Crise,R

**MATH 265 Linear Algebra 3.00 Units**

An introduction that compliments advanced courses in calculus. Topics include systems of linear equations, matrix operations, determinants, vectors and vector spaces.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: MATH 250 or eligibility for MATH 265 as*

*determined through the Crafton Hills College assessment process*

0814	01	TTH	05:00p-06:20p	LEC 3.00	LR-347	Hanley,J
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Since there are often changes in faculty schedules, please check the online schedule at [www.craftonhills.edu](http://www.craftonhills.edu) for current faculty assignments.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**MATH**

**MATH 903X2 Math Support Lab 1.00 Unit**  
 Applications of study skills and specific skills and/or topics, individual assistance to supplement the linked corequisite course.  
*Graded on Credit/No Credit basis only.*  
*Not Applicable to the Associate Degree*  
*Note: MATH 903X2 may be taken 2 times*  
**COREQUISITE: MATH 952, MATH 090 or MATH 095**

0816	01	TTH	01:00p-01:50p	LAB 1.00	CL-107	Wilson,S
		ARR		LAB	LR-LC	Staff

**MICROBIOLOGY**

**MICRO 102 Introductory Microbiology 4.00 Units**  
 Introduction to microbiology, emphasizing the general characteristics of microorganisms, principles of microbial growth, identification, control and the relationships between human beings and microbes.  
*Associate Degree Applicable*  
*Course credit transfers to CSU.*  
*Limited transfer to UC; contact a counselor for details.*

0818	01	TTH	01:00p-02:20p	LEC 4.00	CHS-242	Shimeld,L
		TTH	02:30p-03:50p	LAB	LADM-201	Shimeld,L
0820	02	TTH	01:00p-02:20p	LEC 4.00	CHS-242	Shimeld,L
		TTH	11:00a-12:20p	LAB	LADM-201	Shimeld,L

**MICRO 150 Medical Microbiology 5.00 Units**  
 Study of microbiology, emphasizing the biology of microorganisms including bacteria, fungi, protozoans, helminths, and viruses. Introduces fundamental principles of medical microbiology including microbial cultivation, metabolism, genetics, growth, and control. Principles of epidemiology, disease transmission and a survey of communicable diseases are also included.  
*Associate Degree Applicable*  
*Course credit transfers to CSU.*  
*Limited transfer to UC; contact a counselor for details.*  
**CAN (California Articulation Number) BIOL 14**  
**PREREQUISITE: CHEM 101**

0822	01	MW	11:00a-12:20p	LEC 5.00	CHS-242	Shimeld,L
		MW	08:00a-10:50a	LAB	LADM-201	Shimeld,L
0824	02	MW	11:00a-12:20p	LEC 5.00	CHS-242	Shimeld,L
		MW	12:30p-03:20p	LAB	LADM-201	Burns,C
0826	03	MW	11:00a-12:20p	LEC 5.00	CHS-242	Shimeld,L
		TTH	08:00a-10:50a	LAB	LADM-201	Shimeld,L
0828	04	TTH	05:30p-06:50p	LEC 5.00	CHS-242	Mascinde,G
		TTH	07:00p-09:50p	LAB	LADM-201	Mascinde,G

**For current updated information on classes,  
 go to [www.craftonhills.edu](http://www.craftonhills.edu)**

**Morris Hunter**  
**Director of the Schools of Radiologic Technology**



Twelve students earned associate degrees in the Crafton Hills College (CHC) - Arrowhead Regional Medical Center (ARMC) School of Radiological Technology this spring. All 12 of the graduates passed the Radiology Board Exams and are now registered radiologic technologists (RRT).

Students in the program are introduced into a variety of positions in the scope of radiology in which they may choose to specialize, including nuclear medicine, magnetic resonance imaging (MRI), ultrasound and many more.

"Radiology is an excellent profession for students who are compassionate, enjoy helping others, and like using state of the art computer technology" said Morris Hunter, director of the joint CHC-ARMC School of Radiologic Technology.

The radiological program consists of clinical and classroom learning experiences conducted at ARMC. Students register for the program through CHC.

Graduates of the x-ray tech program typically make \$25-\$30 dollars an hour depending on their hiring location. After completing the requirements of the program, students must pass a board examination prior to becoming x-ray technicians.

The joint CHC-ARMC School of Radiological Technology (X-Ray Tech Program) prides itself in its 100 percent student graduation and employment success rate. Ten students and four alternates are accepted into the program per year.

"The best thing that happened to the program is it's affiliation with CHC, because prior to our affiliation with CHC, students did not have the Associate of Science degree option," Morris said. "Now students have the option to complete the Associate of Science degree. The degree option provides students with the opportunity to advance in a specialized field of radiology by completing one additional year (two years total) of course work."

The Radiological Program is a two-year program requiring students to be at the AMRC 40 hours a week. The classroom curriculum provides students with fundamental radiographic knowledge. The clinical portion of the program gives students the opportunity to apply knowledge of actual radiographic procedures under supervision.

Program graduates get more hands-on clinical experience than the state required 1,800 hours, finishing with an impressive 2,700 hours of clinical experience.

For more information about the Radiologic Program, contact (909) 580-3540.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## MUSIC

### MUSIC 100 Fundamental Skills in Music 3.00 Units

Basic music theory and practical applications to develop an understanding of the elements of music. Study of pitch, rhythm, notation, and sight reading. Includes sight singing and introduction to keyboard and simple rhythmic instruments.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

0834	01	MW	09:00a-10:20a	LEC 3.00	PAC-308	McConnell,M
0836	02	W	07:00p-09:50p	LEC 3.00	PAC-308	McClurg,B

### MUSIC 102 Music Theory II 3.00 Units

Second course in a progressive study through four semesters including work in sight singing, dictation, rhythm, scales, intervals, key signatures, and harmonic techniques from the Common Practice Era to Serialism.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

**PREREQUISITE:** MUSIC 101

0838	01	MW	11:00a-11:49a	LEC 3.00	PAC-308	McConnell,M
		MW	11:50a-01:00p	LAB	PAC-308	McConnell,M

### MUSIC 120 Appreciation of Musical Literature 3.00 Units

Introduction to musical literature. This course is designed to develop an understanding of music and musicians in a societal and historical context.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

0840	01	TTH	11:00a-12:20p	LEC 3.00	PAC-308	McConnell,M
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NOTE: Students enrolled in this section may elect to take this course for honors credit.

0842	70	ARR	3.00 HRS/WK	LEC 3.00		McConnell,M
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Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).  
Instructor email address: mmconne@craftonhills.edu.

0844	71	ARR	4.15 HRS/WK	LEC 3.00		McConnell,M
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Note: Ref. No. 0844 - 13 week class: 02/11 - 05/15  
Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).  
Instructor email address: mmconne@craftonhills.edu.

### MUSIC 132X4 Guitar 2.00 Units

Progressive study of the basic techniques of playing guitar.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: MUSIC 132X4 may be taken 4 times*

**DEPARTMENTAL RECOMMENDATION:** MUSIC 100

0846	01	M	04:00p-04:50p	LEC 2.00	PAC-308	McNaughton,B
		M	05:00p-06:50p	LAB	PAC-308	McNaughton,B

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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### MUSIC 134 Jazz History 3.00 Units

Historical survey of Jazz music and musicians.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

0848	01	M	07:00p-09:50p	LEC 3.00	PAC-308	McNaughton,B
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### MUSIC 135X4 Piano 2.00 Units

Progressive class instruction in piano, including scale techniques, sight-reading, ensemble playing, basic literature, keyboard techniques, and musicianship skills.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: MUSIC 135X4 may be taken 4 times*

**DEPARTMENTAL RECOMMENDATION:** MUSIC 100

0850	03	MW	11:00a-11:25a	LEC 2.00	PAC-225	Staff
		MW	11:26a-12:20p	LAB	PAC-225	Staff
0852	01	M	02:00p-02:50p	LEC 2.00	PAC-225	Staff
		M	03:00p-04:50p	LAB	PAC-225	Staff
0854	02	TTH	09:30a-09:55a	LEC 2.00	PAC-225	McConnell,M
		TTH	09:56a-10:50a	LAB	PAC-225	McConnell,M

### MUSIC 140X4 Theatre Workshop 3.00 Units

Preparation, rehearsal, production and performance of plays, musicals and dance pieces. Participation in a variety of activities including performing, executing technical production work in the areas of scenery, costumes, lights and sound, stage management, design, musical accompaniment or directing.

*This course is also offered as THART-140X4.*

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: MUSIC 140X4 may be taken 4 times*

**DEPARTMENTAL RECOMMENDATION:** Audition

0851	01	ARR	1.92 HRS/WK	LEC 3.00	PAC-101	Bryant,T
		ARR	5.78 HRS/WK	LAB	PAC-101	Bryant,T

Note: Ref. No. 0851 - 14 week class: 02/04 - 05/15

This course is also offered at THART 140x4.

Note: Contact instructor Tom Bryant during the first week of the semester for audition or interview information.

Telephone: (909) 389-3296 Office: PAC-111

### MUSIC 141X4 Applied Music 2.00 Units

Applied private music lessons with an approved off-campus instructor. Students are required to have 14 one-hour lessons during the semester, and are responsible for the cost of private instruction. Students must perform in two assessment juries. Students must provide their own instruments. Students must meet with the Crafton Hills College instructor during the first week of class.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: MUSIC 141X4 may be taken 4 times*

**DEPARTMENTAL RECOMMENDATION:** MUSIC 100

0856	01	ARR	6 HRS/WK	DIR 2.00	PAC-308	McConnell,M
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Note: See instructor during the first week of the semester.

Ref Sec Days Time Type/Units Room Instructor

**MUSIC 150X4 Mixed Chorus 2.00 Units**

Foundational techniques in such aspects of choral music as breathing, posture, tone production, enunciation and musicianship, especially recommended for pre-teaching and liberal arts majors who desire vocal training.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: MUSIC 150X4 may be taken 4 times*

0858	01	T	07:00p-07:50p	LEC 2.00	PAC-308	McClurg,B
		T	08:00p-09:50p	LAB	PAC-308	McClurg,B
		ARR	1 HRS/WK	LAB	PAC-308	McClurg,B

**MUSIC 156X4 Concert Choir 2.00 Units**

Performance and study of choral works from all periods of music.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: MUSIC 156X4 may be taken 4 times*

*PREREQUISITE: Faculty recommendation through audition*

*DEPARTMENTAL RECOMMENDATION: MUSIC 150X4 or equivalent*

0860	01	T	07:00p-07:50p	LEC 2.00	PAC-308	McClurg,B
		T	08:00p-09:50p	LAB	PAC-308	McClurg,B
		ARR	1 HRS/WK	LAB	PAC-308	McClurg,B

**MUSIC 174X4 Jazz Ensemble 2.00 Units**

Study and performance of Jazz literature, style, and interpretation. Open to instrumentalists and vocalists. Performance required.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: MUSIC 174X4 may be taken 4 times*

*PREREQUISITE: Demonstrate performance proficiency on instrument/voice through audition*

0862	01	TH	07:00p-07:50p	LEC 2.00	PAC-308	McNaughton,B
		TH	08:00p-09:50p	LAB	PAC-308	McNaughton,B
		ARR	1 HRS/WK	LAB	PAC-308	McNaughton,B

**MUSIC 175X4 Jazz Band Workshop 2.00 Units**

Continued study and performance of Jazz literature, style, and interpretation. Advanced performance level; performance required.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: MUSIC 175X4 may be taken 4 times*

*PREREQUISITE: MUSIC 174X4 and/or faculty recommendation through audition*

0864	01	TH	07:00p-07:50p	LEC 2.00	PAC-309	McNaughton,B
		TH	08:00p-09:50p	LAB	PAC-309	McNaughton,B
		ARR	1 HRS/WK	LAB	PAC-309	McNaughton,B

**MUSIC 179X4 Contemporary Ensemble 2.00 Units**

Study and performance of Contemporary Classical literature, style, and interpretation. Open to instrumentalists and vocalists. Performance required.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: MUSIC 179X4 may be taken 4 times*

0866	01	T	02:00p-04:50p	LAB 2.00	PAC-308	McConnell,M
		ARR	2.50 HRS/WK	LAB	PAC-308	McConnell,M

Ref Sec Days Time Type/Units Room Instructor

**OCEANOGRAPHY**

**OCEAN 101 Elements of Oceanography 3.00 Units**

Study of the basic principles of oceanography, including geology, physics, chemistry, and biology of the oceans. Topics include the structure of the earth and sea floor, the physics and chemistry of the ocean, atmospheric wind and ocean circulation, waves, currents, tides, marine plants and animals, ecological concepts, and environmental concerns. Tools of oceanographic inquiry include maps, remote sensing, Geographic Information Systems, Global Positional Systems, and field trips.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*Limited transfer to UC; contact a counselor for details.*

0872	01	MW	11:00a-12:20p	LEC 3.00	LADM-121	Hughes,R
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NOTE: Students enrolled in this section may elect to take this course for honors credit.

0874	60	T	07:00p-08:50p	LEC 3.00	LADM-121	Hughes,R
			01/22/08			
		T	07:00p-08:50p	LEC	LADM-121	Hughes,R
			02/12/08			
		T	07:00p-08:50p	LEC	LADM-121	Hughes,R
			03/04/08			
		T	07:00p-08:50p	LEC	LADM-121	Hughes,R
			04/02/08			
		T	07:00p-08:50p	LEC	LADM-121	Hughes,R
			04/23/08			
		ARR	3.00 HRS/WK	LEC		Hughes,R



Note: Ref. No. 0874 - 13 week class: 01/22 - 04/23

This telecourse includes televised lectures aired weekly on KVCN-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Lab/Administration Building (LADM), Room 121 at Crafon Hills College. Please see the Distributed Education section of this schedule for more detailed information.

**OFFICE COMPUTER APPLICATIONS**

**OCA 180 Word Processing 3.00 Units**

Introduction to the production of professional documents using Microsoft Word. Includes memos, reports, letters, labels, tables, merging.

*Associate Degree Applicable*

0876	01	MW	11:00a-12:20p	LEC 3.00	LADM-220	Pace-Pequeno,C
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NOTE: This section is linked to ENGL 146-01. This means students enrolling in OCA 180-01 (directly above) must also enroll and remain enrolled in ENGL 146-01. For more information about this learning community, see a counselor or page 15.

**BOLD print on time pattern denotes evening classes**

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## PERSONAL AND CAREER DEVELOPMENT

### PCD 111 Career Life Planning 3.00 Units

Designed to cover theories and concepts of values, interests, skills and personality development as applied to the career/life planning process and its application to labor market trends for beginning or returning students. Both short and long term career/life plans will be developed. An awareness of diversity is infused throughout the course as it relates to varied psychological and sociological forces within both college and the work place.

*Associate Degree Applicable*  
*Course credit transfers to CSU.*

0890	02	F	01:00p-03:50p	LEC 3.00	CL-218	Gist,J
0892	70	ARR	3.92 HRS/WK	LEC 3.00		Kosmatka,A

Note: Ref. No. 0892 - 13 week class: 02/11 - 05/15  
 Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).  
 Instructor email address: akosmatk@craftonhills.edu.

0894	01	W	07:00p-09:50p	LEC 3.00	CL-218	Gist,J
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## PHILOSOPHY

### PHIL 101 Introduction to Philosophy 3.00 Units

Introduction to the major problems of philosophy, utilizing classical and modern philosophical literature as a basis for discussion of epistemology, metaphysics, ethics and aesthetics.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
 CAN (California Articulation Number) PHIL 2  
 DEPARTMENTAL RECOMMENDATIONS: ENGL 015; Reading:  
 Pass a standardized test of reading comprehension at or above the 12th grade level

0896	01	MWF	08:00a-08:50a	LEC 3.00	LADM-224	Biffle,J
0898	02	MWF	10:00a-10:50a	LEC 3.00	LADM-224	Biffle,J
0900	03	M	07:00p-09:50p	LEC 3.00	LADM-224	Biffle,J

### PHIL 103 Introduction to Logic: Argument and Evidence 3.00 Units

Introduction to the techniques of critical thought, including language analysis, inductive and deductive logic, symbolic logic and the development of the scientific method.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
 CAN (California Articulation Number) PHIL 6  
 DEPARTMENTAL RECOMMENDATIONS: ENGL 101; Reading:  
 Pass a standardized test of reading comprehension at or above the 12th grade level

0902	01	TTH	07:30a-08:50a	LEC 3.00	BC-101	Linfield,L
0904	70	ARR	3 HRS/WK	LEC 3.00		Brink, T.L

Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).  
 Instructor email address: tlbrink@craftonhills.edu

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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### PHIL 105 Introduction to Ethics: Moral Values in Today's Society 3.00 Units

Study of the history and application of moral philosophy that analyzes prominent ethical traditions and applies them to contemporary moral issues.

*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
 CAN (California Articulation Number) PHIL 4  
 DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level

0906	01	MWF	09:00a-09:50a	LEC 3.00	LADM-224	Biffle,J
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NOTE: Students enrolled in this section may elect to take this course for honors credit.

0908	60	T	07:00p-08:50p	LEC 3.00	LADM-121	Biffle,J
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		T	01/29/08			
		T	07:00p-08:50p	LEC	LADM-121	Biffle,J
			02/19/08			

		T	07:00p-08:50p	LEC	LADM-121	Biffle,J
			03/18/08			

		T	07:00p-08:50p	LEC	LADM-121	Biffle,J
			04/08/08			

		T	07:00p-08:50p	LEC	LADM-121	Biffle,J
			04/29/08			

		T	07:00p-08:50p	LEC	LADM-121	Biffle,J
			05/20/08			

		ARR	3.38 HRS/WK	LEC		Biffle,J
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Note: Ref. No. 0908 - 16 week class: 01/29 - 05/20

This telecourse includes televised lectures aired weekly on KVCR-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Lab/Administration Building (LADM), Room 121 at CRAFTON HILLS COLLEGE. Please see the Distributed Education section of this schedule for more detailed information.

## PHYSICAL EDUCATION

### PE 263 Nutrition and Health 3.00 Units

Review of the literature on the basic nutrients: protein, fat, carbohydrate, vitamins, minerals, and water. Development of the skills necessary to analyze, evaluate, and prescribe a dietary intake for healthy individuals. The relationship between lifestyle factors and disease in America is also examined, along with an in-depth analysis of emotional stress.

*This course is also offered as HEALTH-263.*  
*Associate Degree Applicable*  
*Course credit transfers to both CSU and UC.*  
 DEPARTMENTAL RECOMMENDATION: MATH 952 or eligibility for MATH 090 as determined through the Crafton Hills College assessment process

0910	01	MW	07:30a-08:50a	LEC 3.00	CHS-122	Baron,P
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0912	03	TTH	01:00p-02:50p	LEC 3.00	BC-104	Ledoux,J
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Note: Ref. No. 0912 - 13 week class: 02/11 - 05/15

0914	02	M	07:00p-09:50p	LEC 3.00	LADM-121	Moses,O
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For current updated information on classes,  
 go to [www.craftonhills.edu](http://www.craftonhills.edu)

Ref Sec Days Time Type/Units Room Instructor

**PHYSICAL EDUCATION  
INDIVIDUAL/GROUP**

**PE/I 070X4 Fitness Evaluation 0.25 Unit**

Fitness testing regime that assesses cardiorespiratory fitness, strength, flexibility, muscle endurance, health history, hydration, body fat, body lean and dietary intake. Recommendations for an exercise and nutrition program based on stated personal needs.

*Graded on Credit/No Credit basis only.  
Associate Degree Applicable  
Note: PE/I 070X4 may be taken 4 times*

0916 01 ARR .75 HRS/WK LAB 0.25 G-003 Ledoux,J

**PE/I 105X4 Aerobics 1.00 Units**

Aerobics training for beginning through advanced students. Activities to improve flexibility and strength with an emphasis on cardiorespiratory conditioning.

*Associate Degree Applicable  
Course credit limited transfer CSU & UC.  
Contact a counselor for details.  
Note: PE/I 105X4 may be taken 4 times*

0918 01 MWF 09:00a-09:50a LAB 1.00 G-101E Poffek,C  
Kickboxing, Step and Strength Training  
0920 02 TTH 07:30a-08:50a LAB 1.00 G-101E Scott,J  
Kickboxing, Step, and Strength Training  
0922 03 TTH 09:30a-10:50a LAB 1.00 G-101E Scott,J  
Kickboxing, Step, and Strength Training  
0924 04 MW 05:00p-06:20p LAB 1.00 G-101E Scott,J  
Kickboxing, Step, and Strength Training

**PE/I 106X4 Total Body Fitness 1.00 Unit**

Designed for individuals interested in improving cardiovascular fitness, flexibility and strength. The class will incorporate various cardiovascular, stretching and strength training regimens to promote optimal conditioning. Individual programs will be developed for each student.

*Associate Degree Applicable  
Course credit limited transfer CSU & UC.  
Contact a counselor for details.  
Note: PE/I 106X4 may be taken 4 times*

0926 01 MW 11:00a-12:20p LAB 1.00 G-001 Poffek,C  
0928 02 TTH 09:30a-10:50a LAB 1.00 G-001 Ledoux,J  
0930 03 TTH 01:00p-02:50p LAB 1.00 G-001 Staff  
*Note: Ref. No. 0930 - 13 week class: 02/11 - 05/15*



Ref Sec Days Time Type/Units Room Instructor

**PE/I 108X4 Weight Training 1.00 Unit**

Weight training for beginners with little or no weight training knowledge and skills and advanced students who desire more sophisticated routines.

*Associate Degree Applicable  
Course credit limited transfer CSU & UC.  
Contact a counselor for details.  
Note: PE/I 108X4 may be taken 4 times*

0932 01 MWF 09:00a-09:50a LAB 1.00 G-001 Ledoux,J  
0934 02 MWF 10:00a-10:50a LAB 1.00 G-001 Ledoux,J  
0936 03 MW 01:00p-02:20p LAB 1.00 G-001 Poffek,C  
0938 04 TTH 11:00a-12:20p LAB 1.00 G-001 Ledoux,J  
0940 05 TTH 05:30p-06:50p LAB 1.00 G-001 Goff,W

**PE/I 120X4 Golf 1.00 Unit**

Instruction in the skills, techniques, strategies, rules, and etiquette of golf.

*Associate Degree Applicable  
Course credit limited transfer CSU & UC.  
Contact a counselor for details.  
Note: PE/I 120X4 may be taken 4 times*

0942	04	MW	11:00a-12:50p	LAB 1.00	G-101W	Rabago,R
<i>Note: Ref. No. 0942 - 13 week class: 02/11 - 05/14</i>						
0944	05	TTH	11:00a-12:50p	LAB 1.00	G-101W	Rabago,R
<i>Note: Ref. No. 0944 - 13 week class: 02/11 - 05/15</i>						
0946	01	F	01:00p-03:50p	LAB 1.00	G-101W	Rabago,R
0948	02	S	08:00a-10:50a	LAB 1.00	G-101W	Rabago,R
0950	03	S	11:00a-01:50p	LAB 1.00	G-101W	Rabago,R

**PE/I 127X4 Walking for Fitness 1.00 Unit**

Walking for fitness suitable for individuals of all ages and fitness levels. Incorporation of various walking routes on the campus designed to promote weight loss through walking and improve cardiovascular health and general well being.

*Associate Degree Applicable  
Course credit limited transfer CSU & UC.  
Contact a counselor for details.  
Note: PE/I 127X4 may be taken 4 times*

0952 01 MWF 08:00a-08:50a LAB 1.00 G-001 Ledoux,J

**PE/I 143X4 Funk/Hip Hop Dance 1.00 Unit**

This course is designed for beginning students, with little or no experience in funk/hip hop dance, and for advanced students who wish to clarify technical problems and deficiencies. Students will develop skills that will enable them to perform dance steps in video dancing using techniques such as brake, pop style and up-tempo.

*Associate Degree Applicable  
Course credit limited transfer CSU & UC.  
Contact a counselor for details.  
Note: PE/I 143X4 may be taken 4 times*

0954 01 TTH 01:00p-02:20p LAB 1.00 G-101E Gomez,S  
0956 02 TH 06:30p-09:20p LAB 1.00 G-101E Gomez,S

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## PHYSICAL EDUCATION INDIVIDUAL/GROUP

**PE/I 148X4 Tennis 1.00 Unit**  
Instruction in the skills, techniques, strategies, rules, and etiquette of tennis.

*Associate Degree Applicable*  
*Course credit limited transfer CSU & UC.*  
*Contact a counselor for details.*  
*Note: PE/I 148X4 may be taken 4 times*

0958	02	MW	09:00a-10:50a	LAB 1.00	TC-CRTS	Rabago,R
Note: Ref. No. 0958 - 13 week class: 02/11 - 05/14						
0960	01	W	06:00p-08:50p	LAB 1.00	TC-CRTS	Rabago,R

**PE/I 155X4 Conditioning with the Pilates Method 1.00 Unit**

The Pilates Method of exercise is a combination of yoga and strength training. The training regime focuses on improving strength and flexibility with minimal stress to the body. It is an excellent form of exercise for any student, including students with physical limitations.

*Associate Degree Applicable*  
*Course credit limited transfer CSU & UC.*  
*Contact a counselor for details.*  
*Note: PE/I 155X4 may be taken 4 times*

0962	01	MWF	10:00a-10:50a	LAB 1.00	G-101E	Poffek,C
0964	02	TTH	03:30p-04:50p	LAB 1.00	G-101E	Alblinger,D

**PE/I 159X4 Karate 1.00 Unit**  
Practice in the fundamental skills of unarmed self-defense.

*Associate Degree Applicable*  
*Course credit limited transfer CSU & UC.*  
*Contact a counselor for details.*  
*Note: PE/I 159X4 may be taken 4 times*

0966	01	W	06:30p-09:20p	LAB 1.00	G-101E	Namekata,J
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**PE/I 163X4 Ballroom/Swing/Salsa 1.00 Unit**  
Basic principles of Ballroom/Swing/Salsa dance.

*This course is also offered as THART-163X4.*  
*Associate Degree Applicable*  
*Course credit limited transfer CSU & UC.*  
*Contact a counselor for details.*  
*Note: PE/I 163X4 may be taken 4 times*

0968	01	M	06:30p-09:20p	LAB 1.00	G-101E	Aguilar,G
0970	02	T	06:30p-09:20p	LAB 1.00	G-101E	Schwimmer,H

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**PE/I 168X4 Yoga 1.00 Unit**  
Yoga training suitable for individuals of all ages and fitness levels. Basic principles of yoga with an emphasis on the practice and mastery of yoga postures.

*Associate Degree Applicable*  
*Course credit limited transfer CSU & UC.*  
*Contact a counselor for details.*  
*Note: PE/I 168X4 may be taken 4 times*

0972	01	MW	01:00p-02:20p	LAB 1.00	G-101E	Aniello,L
0974	02	MW	03:30p-04:50p	LAB 1.00	G-101E	Aniello,L
0976	03	TTH	11:00a-12:20p	LAB 1.00	G-101E	Aniello,L
0978	04	TTH	05:00p-06:20p	LAB 1.00	G-101E	Aniello,L

**PE/I 200FX3 Tai Chi 1.00 Unit**  
Designed to study and practice the ancient art of Tai Chi (a moving meditation). Tai Chi will be used to increase strength, endurance and flexibility.

*Associate Degree Applicable*  
*Course credit limited transfer CSU & UC.*  
*Contact a counselor for details.*

0980	01	MW	07:30a-08:50a	LAB 1.00	G-101E	Lopez,A
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## PHYSICAL EDUCATION TEAM

**PE/T 130X4 Team Sports (Co-Ed) 1.00 Unit**  
This course develops playing skills for the lifetime benefit of participation in a variety of team sports. Includes instruction on the rules, basic skills, techniques, and strategies.

*Associate Degree Applicable*  
*Course credit limited transfer CSU & UC.*  
*Contact a counselor for details.*  
*Note: PE/T 130X4 may be taken 4 times*

Basketball:						
0982	01	MW	11:00a-12:20p	LAB 1.00	G-101E	Ledoux,J

**Parking is at a premium  
the first few weeks**



**Please Carpool !**

Ref Sec Days Time Type/Units Room Instructor

**PHYSICS**

**PHYSIC 100 Introduction to Physics 4.00 Units**

Introduction to the ideas, concepts, and theories of physics including mechanics, waves, heat, electromagnetism, and atomic and nuclear structure. This course does not require students to have extensive knowledge of mathematics.

*Associate Degree Applicable*  
*Course credit transfers to CSU.*  
*Limited transfer to UC; contact a counselor for details.*

0984	01	TTH	09:30a-10:50a	LEC	4.00	LADM-121	Adams,M
		M	01:00p-03:50p	LAB		LADM-115	Adams,M
0986	02	TTH	09:30a-10:50a	LEC	4.00	LADM-121	Adams,M
		T	11:00a-01:50p	LAB		LADM-115	Adams,M Hughes,B
0988	03	TTH	09:30a-10:50a	LEC	4.00	LADM-121	Adams,M
		T	02:00p-04:50p	LAB		LADM-115	Hughes,B
0990	04	TTH	09:30a-10:50a	LEC	4.00	LADM-121	Adams,M
		W	01:00p-03:50p	LAB		LADM-115	Adams,M
0992	05	TTH	09:30a-10:50a	LEC	4.00	LADM-121	Adams,M
		TH	11:00a-01:50p	LAB		LADM-115	Adams,M
0994	06	TTH	05:30p-06:50p	LEC	4.00	LADM-121	Hughes,B
		T	07:00p-09:50p	LAB		LADM-115	Hughes,B

**PHYSIC 111 General Physics II 4.00 Units**

A continuation of PHYSIC 110. Introduction to optics, electricity, and atomic and nuclear physics.

*Associate Degree Applicable*  
*Course credit transfers to CSU.*  
*Limited transfer to UC; contact a counselor for details.*  
*CAN (California Articulation Number) PHYS 4*  
*CAN (California Articulation Number) PHYS SEQ A*  
*PREREQUISITE: PHYSIC 110*

0998	01	MW	11:00a-12:20p	LEC	4.00	LADM-112	Adams,M
		M	01:00p-03:50p	LAB		LADM-115	Adams,M
1000	02	MW	11:00a-12:20p	LEC	4.00	LADM-112	Adams,M
		T	11:00a-01:50p	LAB		LADM-115	Adams,M Hughes,B
1002	03	MW	11:00a-12:20p	LEC	4.00	LADM-112	Adams,M
		T	02:00p-04:50p	LAB		LADM-115	Hughes,B
1004	04	MW	11:00a-12:20p	LEC	4.00	LADM-112	Adams,M
		W	01:00p-03:50p	LAB		LADM-115	Adams,M
1006	05	MW	11:00a-12:20p	LEC	4.00	LADM-112	Adams,M
		TH	11:00a-01:50p	LAB		LADM-115	Adams,M

Ref Sec Days Time Type/Units Room Instructor

**PHYSIC 201 Physics II 6.00 Units**

A continuation of PHYSIC 200. Study of physics, including optics, electricity, magnetism, Maxwell's Equations, relativity, vector analysis, quantum theory, structure of atoms, nuclei, molecules and solids.

*Associate Degree Applicable*  
*Course credit transfers to CSU.*  
*Limited transfer to UC; contact a counselor for details.*  
*CAN (California Articulation Number) PHYS SEQ B*  
*PREREQUISITES: PHYSIC 200 and MATH 251*

1008	01	MW	11:00a-12:20p	LEC	6.00	LADM-112	Adams,M
		F	11:00a-12:50p	LEC		LADM-112	Adams,M
		M	01:00p-03:50p	LAB		LADM-115	Adams,M
1010	02	MW	11:00a-12:20p	LEC	6.00	LADM-112	Adams,M
		F	11:00a-12:50p	LEC		LADM-112	Adams,M
		T	11:00a-01:50p	LAB		LADM-115	Adams,M Hughes,B
1012	03	MW	11:00a-12:20p	LEC	6.00	LADM-112	Adams,M
		F	11:00a-12:50p	LEC		LADM-112	Adams,M
		T	02:00p-04:50p	LAB		LADM-115	Hughes,B
1014	04	MW	11:00a-12:20p	LEC	6.00	LADM-112	Adams,M
		F	11:00a-12:50p	LEC		LADM-112	Adams,M
		W	01:00p-03:50p	LAB		LADM-115	Adams,M
1016	05	MW	11:00a-12:20p	LEC	6.00	LADM-112	Adams,M
		F	11:00a-12:50p	LEC		LADM-112	Adams,M
		TH	11:00a-01:50p	LAB		LADM-115	Adams,M

Priority Web/Telephone Registration for  
EOPS, DSP&S, and CalWORKs students  
 October 31-November 2

Priority Web/Telephone Registration  
 November 5, 2007-January 13, 2008

Instruction Begins  
 January 14, 2008



Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## POLITICAL SCIENCE

### **POLIT 100 American Politics 3.00 Units**

Introductory course in the fundamentals of American government and politics.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) GOVT 2*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level*

1018	06	MW	01:00p-02:20p	LEC 3.00	PAC-309	Hellerman,S	
NOTE: Students enrolled in this section may elect to take this course for honors credit.							
1020	03	TTH	09:30a-10:50a	LEC 3.00	LADM-224	Hellerman,S	
NOTE: Students enrolled in this section may elect to take this course for honors credit.							
1022	02	TTH	11:00a-12:20p	LEC 3.00	LADM-304	Hellerman,S	
NOTE: Students enrolled in this section may elect to take this course for honors credit.							
1024	05	F	09:00a-11:50a	LEC 3.00	LADM-304	Kalender,V	
1026	60	S	10:00a-11:50a	LEC 3.00	BC-101	Hellerman,S	
			01/19/08				
			10:00a-11:50a	LEC	BC-101	Hellerman,S	
			02/09/08				
			10:00a-11:50a	LEC	BC-101	Hellerman,S	
			03/01/08				
			10:00a-11:50a	LEC	BC-101	Hellerman,S	
03/29/08							
10:00a-11:50a	LEC	BC-101	Hellerman,S				
04/19/08							
ARR	4.15 HRS/WK	LEC		Hellerman,S			
Note: Ref. No. 1026 - 13 week class: 01/19 - 04/19							
This telecourse includes televised lectures aired weekly on KVCR-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Bookstore Complex Building (BC), Room 101 at CRAFTON HILLS COLLEGE. Please see the Distributed Education section of this schedule for more detailed information.							
1028	01	M	07:00p-09:50p	LEC 3.00	BC-101	Hellerman,S	
1030	04	W	07:00p-09:50p	LEC 3.00	BC-101	Kalender,V	

### **POLIT 104 Introduction to Comparative Politics 3.00 Units**

Introductory course in comparative political systems, movements and ideologies in various countries.

*Associate Degree Applicable*

*Course credit transfers to CSU and UC.*

*DEPARTMENTAL RECOMMENDATION: Eligibility for ENGL 101 through the Crafton Hills College assessment process; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level; POLIT 100*

1032	01	MW	11:00a-12:50p	LEC 3.00	LADM-304	Hellerman,S
Note: Ref. No. 1032 - 13 week class: 02/11 - 05/14						
NOTE: Students enrolled in this section may elect to take this course for honors credit.						

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## PSYCHOLOGY

### **PSYCH 100 General Psychology 3.00 Units**

Survey of the nature and scope of psychology including the topics of neurophysiology, sensation, perception, learning, memory, cognition, intelligence, language, emotion, motivation, personality, psychopathology, treatment and social psychology.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) PSY 2*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101; MATH 090; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level*

1034	01	MW	07:30a-08:50a	LEC 3.00	CL-218	Pfahler,D
1036	02	MW	09:30a-10:50a	LEC 3.00	CL-218	Pfahler,D
1038	03	MW	11:00a-12:50p	LEC 3.00	CL-218	Moore,S
Note: Ref. No. 1038 - 14 week class: 02/04 - 05/14						
1040	05	TTH	07:30a-08:50a	LEC 3.00	CL-218	Pfahler,D
1042	06	TTH	01:00p-02:20p	LEC 3.00	CL-218	Moore,S
1044	08	F	09:00a-11:50a	LEC 3.00	CL-218	Staff
1046	70	ARR	3 HRS/WK	LEC 3.00		Brink,T
Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).						
Instructor email address: tibrink@craftonhills.edu.						
1048	71	ARR	3 HRS/WK	LEC 3.00		Moore,S
Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).						
Instructor email address: smooore@craftonhills.edu.						
1050	72	ARR	3.92 HRS/WK	LEC 3.00		Moore,S
Note: Ref. No. 1050 - 13 week class: 02/11 - 05/15						
Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).						
Instructor email address: smooore@craftonhills.edu						
1052	04	MW	05:00p-06:50p	LEC 3.00	CL-218	Staff
Note: Ref. No. 1052 - 13 week class: 02/11 - 05/17						
Note: Students enrolled in this section may elect to take this course for honors credit.						
1054	07	T	07:00p-09:50p	LEC 3.00	CL-218	Staff
Note: Students enrolled in this section may elect to take this course for honors credit.						

### **PSYCH 102 Personal and Social Adjustment 3.00 Units**

Survey of contemporary adjustment issues including stress, health, coping, and behavior patterns.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*PREREQUISITE: PSYCH 100*

*DEPARTMENTAL RECOMMENDATIONS: Successful completion of or concurrent enrollment in ENGL 101*

1056	01	TTH	09:30a-10:50a	LEC 3.00	CL-218	Pfahler,D
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Ref Sec Days Time Type/Units Room Instructor

**PSYCH 103 Theories of Personality 3.00 Units**

Survey of psychological theories including psychoanalytic, behavioral, humanistic, and cognitive.

*Associate Degree Applicable*  
 Course credit transfers to both CSU and UC.  
 PREREQUISITE: PSYCH 100  
 DEPARTMENTAL RECOMMENDATIONS: ENGL 101; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level

1058 01 TH 07:00p-09:50p LEC 3.00 CL-218 Staff

**PSYCH 108 Statistics 4.00 Units**

Introduction to probability, descriptive and inferential statistics, with application to the natural sciences, business, economics, and behavioral sciences.

*This course is also offered as MATH-108.*  
*Associate Degree Applicable*  
 Course credit transfers to both CSU and UC.  
 PREREQUISITE: MATH 095 or eligibility for MATH 108 as determined through the Crafton Hills College assessment process  
 DEPARTMENTAL RECOMMENDATION: PSYCH 117

1060 01 MW 01:00p-02:50p LEC 4.00 CL-218 Pfahler,D  
 1062 02 TTH 11:00a-12:50p LEC 4.00 CL-218 Pfahler,D  
 1064 03 TTH 5:00p-06:50p LEC 4.00 CL-218 Stone,H

**PSYCH 117 Computer Applications in Research 1.00 Unit**

Introduction to computer use as a research tool using the Statistical Package for the Social Sciences (SPSS) and Excel. Training will include variable and data entry, test selection and running statistical analyses. Additional preparation will include generating tables, diagrams, graphs, charts and final report presentation.

*This course is also offered as MATH-117.*  
*Associate Degree Applicable*  
 Course credit transfers to CSU.  
 COREQUISITE: PSYCH 108

1066 01 M 07:00p-09:50p LAB 1.00 LR-309 Brink,T

**PSYCH 118 Human Sexual Behavior 3.00 Units**

Survey of selected factors in human sexual behavior.

*Associate Degree Applicable*  
 Course credit transfers to both CSU and UC.  
 PREREQUISITE: PSYCH 100  
 DEPARTMENTAL RECOMMENDATION: Successful completion of or concurrent enrollment in ENGL 101

1068 70 ARR 3 HRS/WK LEC 3.00 Moore,S

Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).  
 Instructor email address: smoore@craftonhills.edu.

Ref Sec Days Time Type/Units Room Instructor

**PSYCH 150 Gerontology 3.00 Units**

Examination of aging and the life course.

*This course is also offered as SOC-150.*  
*Associate Degree Applicable*  
 Course credit transfers to CSU.  
 DEPARTMENTAL RECOMMENDATIONS: SOC 100, MATH 952; Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level

1070 01 TTH 11:00a-12:20p LEC 3.00 PAC-309 Davis,J

**READING AND STUDY SKILLS**

**READ 925X2 Introduction to Reading 3.00 Units**

The first in a sequence of courses that introduce skills of vocabulary development, reading comprehension, phonetic awareness and usage. Practice in reading passages at a developmental level.

*Not Applicable to the Associate Degree*  
 Note: READ 925X2 may be taken 2 times  
 DEPARTMENTAL RECOMMENDATION: Score between 0-34 on the reading portion of the Crafton Hills College assessment test, or 4th, 5th, 6th grade level on the Nelson-Denny Reading Test

1100 01 MWF 09:00a-09:49a LEC 3.00 LR-347 Lowe,L  
 ARR 1.5 HRS/WK LAB LR-347 Lowe,L

1102 03 TTH 01:00p-02:50p LEC 3.00 LR-347 Staff  
 ARR 2.08 HRS/WK LAB LR-347 Staff

Note: Ref. No. 1102 - 13 week class: 02/11 - 05/15

1104 02 W 07:00p-09:50p LEC 3.00 LR-347 Lowe,L  
 ARR 1.5 HRS/WK LAB LR-347 Lowe,L

**READ 956X2 Intermediate Reading 3.00 Units**

The second in a sequence of courses that introduce skills of vocabulary development, reading comprehension, phonetic awareness and usage. Practice in reading passages at an intermediate level.

*Not Applicable to the Associate Degree*  
 Note: READ 956X2 may be taken 2 times  
 DEPARTMENTAL RECOMMENDATION: Score between 35-64 on the reading portion of the Crafton Hills College assessment test, or 7th, 8th, or 9th grade level on the Nelson-Denny Reading Test

1106 01 MWF 11:00a-11:49a LEC 3.00 LR-347 Lowe,L  
 ARR 1.5 HRS/WK LAB LR-347 Lowe,L

1108 03 TTH 09:00a-10:20a LEC 3.00 LR-347 Lowe,L  
 ARR 1.5 HRS/WK LAB LR-347 Lowe,L

1110 02 TH 07:00p-09:50p LEC 3.00 LR-347 Staff  
 ARR 1.5 HRS/WK LAB LR-347 Staff

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## READING AND STUDY SKILLS

### **READ 078X2 Advanced Reading 3.00 Units**

Designed to enhance students' reading skills, this course involves attending lectures and doing in-class assignments. Students must also complete individualized laboratory activities designed to increase vocabulary and comprehension, based on assessed reading ability.

*Associate Degree Applicable*

*Note: READ 078X2 may be taken 2 times*

*DEPARTMENTAL RECOMMENDATION: A minimum score of 65 on the reading portion of the college placement test or minimum of 10th grade level on the Nelson-Denny Reading Test*

1112	04	MWF	08:00a-08:50a	LEC 3.00	LR-347	Lowe,L
1114	01	MW	01:00p-02:20p	LEC 3.00	LR-347	Lowe,L
1116	05	MW	03:00p-04:20p	LEC 3.00	BC-101	Staff
1118	02	TTH	11:00a-12:50p	LEC 3.00	LR-347	Lowe,L
Note: Ref. No. 1118 - 13 week class: 02/11 - 05/22						
1120	06	TTH	05:00p-06:20p	LEC 3.00	CL-217	Staff
1122	03	T	07:00p-09:50p	LEC 3.00	LR-347	Moore,M

### **READ 091 College Study Skills 3.00 Units**

Instruction in the skills of listening, note taking, class preparation and participation, organizing and analyzing textbook material, and using the library. Provides methods for the improvement of concentration, memory and test-taking.

*Associate Degree Applicable*

1124	01	MW	01:00p-02:20p	LEC 3.00	CL-109	Snowwhite,M
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## REAL ESTATE

### **REALST 100 Real Estate Principles 3.00 Units**

Fundamentals of real estate covering basic laws and principles of California real estate. Required course for Real Estate Sales License. May also be used as one of the courses for the Broker's License.

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*DEPARTMENTAL RECOMMENDATIONS: ENGL 015; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level*

1126	01	W	07:00p-09:50p	LEC 3.00	OE2-216	Zoumbos,N
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Boxed sections indicate Short-Term classes.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## RELIGIOUS STUDIES

### **RELIG 100 Introduction to Religious Studies 3.00 Units**

Study of the major components all religions have in common, exploring such elements as the holy, sacred stories, ritual, iconography, religious leaders, scripture, morality and ethics, individual and community in religious tradition, the arts and media, and phenomenology.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATIONS: ENGL 101; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level*

1128	01	M	01:00p-03:50p	LEC 3.00	OE2-216	Franko,K
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### **RELIG 101 Introduction to World Religions 3.00 Units**

Survey of the major world religions with particular attention to Hindu, Daoist, Confucian, Judaic, Christian, Buddhist, and Islamic traditions.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATIONS: ENGL 101; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level*

1130	70	ARR	3.00 HRS/WK	LEC 3.00		Brink,T
Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).						
Instructor email address: tibrink@craftonhills.edu.						

1132	71	ARR	4.15 HRS/WK	LEC 3.00		Brink,T
Note: Ref. No. 1132 - 13 week class: 02/12 - 05/15						
Participation in this online class requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).						
Instructor email address: tibrink@craftonhills.edu.						

### **RELIG 176 Jesus and His Interpreters 3.00 Units**

Study of images and interpretations of Jesus.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATIONS: ENGL 101; Reading: Pass a standardized test of reading comprehension at or above the 12th grade level*

1134	01	M	04:00p-06:50p	LEC 3.00	OE2-216	Franko,K
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**BOLD print on time pattern denotes evening classes**

Ref Sec Days Time Type/Units Room Instructor

## RESPIRATORY CARE

### **RESP 050 Introduction to Respiratory Care 2.00 Units**

Introduction and orientation to the field of respiratory care.  
*Associate Degree Applicable*

1136	02	TTH	09:00a-10:50a	LEC 2.00	LR-309	Franklin,B
Note: Ref. No. 1136 - 8 week class: 03/18 - 05/08						
1138	01	TTH	01:00p-02:50p	LEC 2.00	LADM-304	Franklin,B
Note: Ref. No. 1138 - 8 week class: 01/15 - 03/06						

### **RESP 105 Fundamentals of Respiratory Care II 4.00 Units**

Theoretical application of diagnostic techniques, equipment, medications, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice.

*Associate Degree Applicable*

**PREREQUISITES:** RESP 101, RESP 102, RESP 103, and RESP 104  
**COREQUISITES:** RESP 106, RESP 108, and RESP 110X4

1140 01 TTH 08:00a-09:50a LEC 4.00 CHS-123 Bell,R

### **RESP 106 Fundamentals of Respiratory Care Skills II 5.25 Units**

Laboratory application of diagnostic techniques, equipment, medications, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice.

*Associate Degree Applicable*

**PREREQUISITES:** RESP 101, RESP 102, RESP 103, and RESP 104  
**COREQUISITES:** RESP 105, RESP 108, and RESP 110X4

1142	01	M	08:00a-11:50a	LEC 5.25	CHS-123	Bell,T Bryson,K
		M	01:00p-04:50p	LAB	CHS-123	Bell,R Bell,T Bryson,K Contreras,A
		ARR		LAB	CHS-127	Bell,R Bell,T Bryson,K Contreras,A

### **RESP 108 Respiratory Care Clinical Application II 5.25 Units**

Clinical application of diagnostic techniques, equipment, medications, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice.

*Associate Degree Applicable*

**PREREQUISITES:** RESP 101, RESP 102, RESP 103, and RESP 104  
**COREQUISITES:** RESP 105, RESP 106, and RESP 110X4

1144 01 ARR 2.125 HRS/WK LEC 5.25 OFFC-CLNC Bell,R  
ARR 14.875 HRS/WK CLINC OFFC-CLNC Bell,R  
Proof of a clear criminal background check is required.

Ref Sec Days Time Type/Units Room Instructor

### **RESP 109BX2 Clinical Refresher: Clinical Application II 2.50 Units**

Continued clinical application of diagnostic techniques, equipment, medications, and procedures based on the national Clinical Practice Guidelines as well as local standards of practice.

*Graded on Credit/No Credit basis only.*

*Associate Degree Applicable*

**PREREQUISITE:** RESP 108

1146 01 ARR 1.125 HRS/WK LEC 2.50 OFFH-HOSP Bell,R  
ARR 7.875 HRS/WK CLINC OFFH-HOSP Bell,R  
Proof of a clear criminal background check is required.

### **RESP 110X4 Clinical Medicine I 1.50 Units**

Selected topics related to the practice of cardiopulmonary medicine.

*Associate Degree Applicable*

*Note: RESP 110X4 may be taken 4 times*

**DEPARTMENTAL RECOMMENDATION:** It is highly recommended that a student, upon entering this class, be a Licensed Respiratory Care Practitioner in the State of California or be concurrently enrolled in Crafton Hills College's Certified Respiratory Therapist Program.

1148 01 TH 04:30p-05:50p LEC 1.50 LLDA-VETS Brainard,C  
Note: Ref. No. 1148 will be held at Veterans Hospital in Loma Linda.

### **RESP 112 Care of the High Risk Neonate 4.00 Units**

Preparation of the student for clinical practice in Neonatal and Pediatric Intensive Care units.

*Associate Degree Applicable*

1150 01 TTH 10:00a-11:50a LEC 4.00 CHS-123 Bryson,K  
Langdon,C

### **RESP 206 Advanced Theory of Respiratory Care II 4.00 Units**

Advanced theory, including oxygen transport, acid-base balance, renal function, electrolyte assessment, nutrition, pulmonary function testing, and pulmonary pathologies.

*Associate Degree Applicable*

**PREREQUISITES:** RESP 201, RESP 202, RESP 203, RESP 204, and RESP 205

**COREQUISITES:** RESP 207, RESP 208, RESP 211X4, and RESP 218

1152 01 TTH 10:00a-11:50a LEC 4.00 CHS-127 Bell,T

### **RESP 207 Physiologic Basis of Respiratory Disease II 5.00 Units**

Further presentation of applied cardiopulmonary, renal, and neuropathophysiology related to the diagnosis and treatment of diseases the therapist will encounter in the clinical setting.

*Associate Degree Applicable*

**PREREQUISITES:** RESP 201, RESP 202, RESP 203, RESP 204, and RESP 205

**COREQUISITES:** RESP 206, RESP 208, RESP 211X4, and RESP 218

1154 01 TTH 01:00p-03:20p LEC 5.00 CHS-127 Brainard,C

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## RESPIRATORY CARE

### RESP 208 Advanced Respiratory Care Clinical Application II 5.25 Units

Continued clinical application of advanced-level skills learned in the laboratory and theory classes.

Associate Degree Applicable

PREREQUISITES: RESP 201, RESP 202, RESP 203, RESP 204, and RESP 205

COREQUISITES: RESP 206, RESP 207, RESP 211X4, and RESP 218

1156	01	ARR	2.25 HRS/WK	LEC 5.25	OFFC-CLNC	Bell,R
		ARR	15.75 HRS/WK	CLINC	OFFC-CLNC	Bell,R

Proof of a clear criminal background check is required.  
Note: Ref. No. 1156 will be held at Clinic in Off-Campus Clinic.

### RESP 209BX2 Clinical Refresher: Advanced Clinical Application II 2.50 Units

Continued clinical application of advanced-level skills learned in the laboratory and theory classes.

Graded on Credit/No Credit basis only.

Associate Degree Applicable

PREREQUISITE: RESP 208

1158	01	ARR	1.125 HRS/WK	LEC 2.50	OFFH-HOSP	Bell,R
		ARR	7.875 HRS/WK	CLINC	OFFH-HOSP	Bell,R

Proof of a clear criminal background check is required.  
Note: Ref. No. 1158 will be held at Area Hospitals in Off-Campus Hospital.

### RESP 218 Advanced Respiratory Care Skills Laboratory II 5.25 Units

Exposure to new procedures and the improvement of skills based on assessment of individual student performance. Specialized instruction to strengthen identified competencies as final preparation for professional practice, as well as Certification in Advanced Cardiac Life Support.

Associate Degree Applicable

PREREQUISITES: RESP 201, RESP 202, RESP 203, RESP 204, and RESP 205

COREQUISITES: RESP 206, RESP 207, RESP 208, and RESP 211X4

1160	01	W	08:00a-11:50a	LEC 5.25	CHS-127	Franklin,B
		W	01:00p-04:50p	LAB	CHS-127	Bryson,K Franklin,B Kibbe,M
		ARR		LAB	CHS-123	Bryson,K Franklin,B Kibbe,M

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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### RESP 927X4 Advanced Practitioner Examinations: Review and Seminar 3.00 Units

Preparation for the National Board for Respiratory Care (NBRC) Therapist Written RRT Examination and Clinical Simulation Examination. Discussion of examination structure, content, examination site requirements, and review of sample test questions (RRT: Registered Respiratory Therapist). Students from Respiratory Care Programs other than that at Crafton Hills College should see a counselor for permission to enroll.

Graded on Credit/No Credit basis only.

Not Applicable to the Associate Degree

Note: RESP 927X4 may be taken 4 times

PREREQUISITE: RESP 201

1162	01	TTH	08:00a-09:50a	LEC 3.00	CHS-127	Bryson,K
		ARR	4 HRS/WK	LAB	CHS-127	Bryson,K

Note: Ref. No. 1162 - 9 week class: 03/04 - 05/08

## SOCIOLOGY

### SOC 100 Introduction to Sociology 3.00 Units

Survey of concepts and theories of society and culture, social organizations, social stratifications, social change and social policy.

Associate Degree Applicable

Course credit transfers to both CSU and UC.

CAN (California Articulation Number) SOC 2

DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101; MATH 095

1164	01	MW	09:30a-10:50a	LEC 3.00	PAC-309	Shelby,P
1166	02	MW	11:00a-12:20p	LEC 3.00	PAC-309	Shelby,P
1168	03	MW	03:00p-04:20p	LEC 3.00	CHS-242	Davis,J

NOTE: Students enrolled in this section may elect to take this course for honors credit.

1170	05	TTH	07:30a-08:50a	LEC 3.00	CHS-122	Staff
1172	06	TTH	09:30a-10:50a	LEC 3.00	PAC-308	Staff
1174	07	TTH	01:00p-02:20p	LEC 3.00	CHS-122	Davis,J

NOTE: Students enrolled in this section may elect to take this course for honors credit.

1176	04	M	07:00p-09:50p	LEC 3.00	CHS-242	Davis,J
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NOTE: Students enrolled in this section may elect to take this course for honors credit.

### SOC 105 Social Problems 3.00 Units

Sociological study of contemporary social problems in the United States, such as drug and alcohol use/abuse, violence, racial and ethnic tensions, poverty, ageism, sexual orientation, unemployment, education, population and urbanization, environment, technology, and war.

Associate Degree Applicable

Course credit transfers to both CSU and UC.

CAN (California Articulation Number) SOC 4

DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101; MATH 095 and SOC 100

1178	01	MW	05:00p-06:50p	LEC 3.00	BC-105	Davis,J
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Note: Ref. No. 1178 - 13 week class: 02/11 - 05/14

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**SOC 130 Marriage, Family and Intimate Relationships 3.00 Units**

Sociological study of traditional and contemporary American families.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101; MATH 095 and SOC 100*

1180	60	T	07:00p-08:50p	LEC 3.00	LADM-121	Shelby,P
			01/15/08			
		T	07:00p-08:50p	LEC	LADM-121	Shelby,P
			02/26/08			
		T	07:00p-08:50p	LEC	LADM-121	Shelby,P
			03/25/08			
		T	07:00p-08:50p	LEC	LADM-121	Shelby,P
			04/15/08			
		T	07:00p-08:50p	LEC	LADM-121	Shelby,P
			05/06/08			
		ARR	3.38 HRS/WK	LEC		Shelby,P

Note: Ref. No. 1180 - 16 week class: 01/15 - 05/06

This telecourse includes televised lectures aired weekly on KVCR-TV plus required on-campus meetings (see dates above). Broadcast dates and times will be provided by the instructor at the first class meeting. ALL on-campus meetings will be held in the Lab/Administration Building (LADM), Room 121 at CRAFTON HILLS COLLEGE. Please see the Distributed Education section of this schedule for more detailed information.

**SOC 141 Minority Relations 3.00 Units**

Sociological study of multiculturalism and diversity in the United States, social stratification, ethnic and other minorities, intergroup relations and their global dimensions.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATIONS: Eligibility for ENGL 101; MATH 095 and SOC 100*

1182	01	W	07:00p-09:50p	LEC 3.00	CHS-242	Davis,J
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**SOC 150 Gerontology 3.00 Units**

Examination of aging and the life course.

*This course is also offered as PSYCH-150.*

*Associate Degree Applicable*

*Course credit transfers to CSU.*

*DEPARTMENTAL RECOMMENDATIONS: SOC 100, MATH 952;*

*Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process. Reading: Pass a standardized test of reading comprehension at or above the 12th grade level*

1184	01	TTH	11:00a-12:20p	LEC 3.00	PAC-309	Davis,J
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**Parking is at a premium  
the first few weeks**



**Please Carpool !**

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## SPANISH

**SPAN 015 Conversational Spanish I 3.00 Units**

Introductory conversation course, designed to meet the need of students who wish to communicate orally in the Spanish language for purposes of travel, business, employment and personal pleasure.

*Associate Degree Applicable*

1186	01	TTH	09:30a-10:50a	LEC 3.00	CL-110	Lin Shull,C
1188	02	MW	07:00p-08:20p	LEC 3.00	CL-109	Gonzalez,R

**SPAN 101 College Spanish I 5.00 Units**

Introductory course beginning the development of the student's listening, speaking, reading and writing skills in Spanish. NOTE: This course corresponds to the first year of high school Spanish.

*Associate Degree Applicable*

*Course credit limited transfer CSU & UC.*

*Contact a counselor for details.*

*CAN (California Articulation Number) SPAN 2*

*CAN (California Articulation Number) SPAN SEQ A*

1190	01	MW	08:00a-10:20a	LEC 5.00	CL-106	Miranda-Recinos,G
1192	02	MW	10:30a-12:50p	LEC 5.00	CL-106	Kozanova,M
1194	03	TTH	08:00a-10:20a	LEC 5.00	CL-106	Kozanova,M
1196	04	TTH	01:00p-03:20p	LEC 5.00	CL-106	Lin Shull,C
1198	05	MW	07:00p-09:20p	LEC 5.00	CL-106	Ballester,M
1200	06	TTH	04:00p-06:20p	LEC 5.00	CL-106	Schmidt,J

**SPAN 102 College Spanish II 5.00 Units**

A continuation of SPAN 101. Further development of the student's listening, speaking, reading and writing skills in Spanish. NOTE: This course corresponds to the second year of high school Spanish.

*Associate Degree Applicable*

*Course credit limited transfer CSU & UC.*

*Contact a counselor for details.*

*CAN (California Articulation Number) SPAN 4*

*CAN (California Articulation Number) SPAN SEQ A*

*PREREQUISITE: SPAN 101*

1202	01	MW	08:00a-10:20a	LEC 5.00	CL-107	Kozanova,M
1204	02	TTH	10:30a-12:50p	LEC 5.00	CL-106	Schmidt,J
1206	03	MW	04:00p-06:20p	LEC 5.00	CL-106	Gonzalez,R
1208	04	TTH	07:00p-09:20p	LEC 5.00	CL-106	Stear,E

**SPAN 103 College Spanish III 4.00 Units**

A continuation of SPAN 102. Further development of the student's listening, speaking, reading and writing skills in Spanish.

*Associate Degree Applicable*

*Course credit limited transfer CSU & UC.*

*Contact a counselor for details.*

*CAN (California Articulation Number) SPAN 8*

*CAN (California Articulation Number) SPAN SEQ B*

*PREREQUISITE: SPAN 102*

1210	01	TTH	11:00a-12:50p	LEC 4.00	CL-107	Kozanova,M
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Ref	Sec	Days	Time	Type/Units	Room	Instructor
<b>SPAN 104 College Spanish IV 4.00 Units</b>						
A continuation of SPAN 103. In-depth study of Spanish grammar and the continued development of the student's listening, speaking, reading and writing skills.						
<i>Associate Degree Applicable</i>						
<i>Course credit transfers to both CSU and UC.</i>						
<i>CAN (California Articulation Number) SPAN 10</i>						
<i>CAN (California Articulation Number) SPAN SEQ B</i>						
<i>PREREQUISITE: SPAN 103</i>						
1212	01	MW	11:00a-12:50p	LEC 4.00	CL-107	Schmidt,J

## SPEECH COMMUNICATION

### SPEECH 100 Elements of Public Speaking 3.00 Units

Introductory study and training in public communication.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) SPCH 4*

*DEPARTMENTAL RECOMMENDATION: Eligibility for ENGL 101 or concurrent enrollment in ENGL 015*

1214	01	MWF	08:00a-08:50a	LEC 3.00	BC-106	Shelton II,S
1216	02	MW	09:30a-10:50a	LEC 3.00	BC-105	O'Shaughnessy,V
1218	03	MW	11:00a-12:20p	LEC 3.00	BC-105	Floerke,J
1220	04	MW	1:00p-02:20p	LEC 3.00	BC-106	Urbanovich,J
Note: Students enrolled in this section may elect to take this course for honors credit.						
1222	05	TTH	11:00a-12:20p	LEC 3.00	BC-105	Staff
1224	06	TTH	01:00p-02:20p	LEC 3.00	BC-106	Drake-Green,P
1226	70	F	09:00a-12:50p	LEC 3.00	BC-106	Urbanovich,J
			01/25/08			
		F	09:00a-12:50p	LEC	BC-106	Urbanovich,J
			02/22/08			
		F	09:00a-12:50p	LEC	BC-106	Urbanovich,J
			04/04/08			
		F	09:00a-12:50p	LEC	BC-106	Urbanovich,J
			05/02/08			
		ARR	3.86 HRS/WK	LEC		Urbanovich,J
This is an online course with four on-campus meetings. Participation in this course requires that students have access to a computer that is connected to the Internet and has a CD-ROM drive and sound output (speakers or headphones).						
Instructor address email: <a href="mailto:jurbanov@craftonhills.edu">jurbanov@craftonhills.edu</a>						
1228	09	MW	07:00p-09:50p	LEC 3.00	BC-106	Urbanovich,J
Note: Ref. No. 1228 - 9 week class: 01/14 - 03/19						
NOTE: Students enrolled in this section may elect to take this course for honors credit.						
1230	07	TTH	05:00p-06:50p	LEC 3.00	BC-106	Newman,R
Note: Ref. No. 1230 - 13 week class: 02/11 - 05/15						
1232	08	TH	07:00p-09:50p	LEC 3.00	BC-106	Floerke,J

### SPEECH 110 Voice and Diction 3.00 Units

Techniques in voice production. Theory and practice in developing vocal skills for performance including breathing, pitch, volume, rate, articulation, and quality.

*This course is also offered as THART-110.*

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

1233	01	TTH	01:00p-02:20p	LEC 3.00	PAC-309	Staff
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Ref	Sec	Days	Time	Type/Units	Room	Instructor
<b>SPEECH 111 Interpersonal Communication 3.00 Units</b>						
Examination of the dynamics of the communication process within the context of interpersonal relationships. Principles of effective listening and accurate expression of verbal and nonverbal messages.						
<i>Associate Degree Applicable</i>						
<i>Course credit transfers to both CSU and UC.</i>						
<i>CAN (California Articulation Number) SPCH 8</i>						
<i>DEPARTMENTAL RECOMMENDATION: Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process</i>						
1234	02	MW	11:00a-12:20p	LEC 3.00	BC-106	O'Shaughnessy,V
1236	03	MW	01:00p-02:20p	LEC 3.00	BC-105	Drake-Green,P
1238	01	TTH	09:30a-10:50a	LEC 3.00	BC-105	Mattson,S
1240	04	MW	05:00p-06:50p	LEC 3.00	BC-106	Dizmon,K
Note: Ref. No. 1240 - 13 week class: 02/11 - 05/14						
1242	05	T	07:00p-09:50p	LEC 3.00	BC-106	Shelton II,S

1234	02	MW	11:00a-12:20p	LEC 3.00	BC-106	O'Shaughnessy,V
1236	03	MW	01:00p-02:20p	LEC 3.00	BC-105	Drake-Green,P
1238	01	TTH	09:30a-10:50a	LEC 3.00	BC-105	Mattson,S
1240	04	MW	05:00p-06:50p	LEC 3.00	BC-106	Dizmon,K
Note: Ref. No. 1240 - 13 week class: 02/11 - 05/14						
1242	05	T	07:00p-09:50p	LEC 3.00	BC-106	Shelton II,S

### SPEECH 120 Oral Interpretation of Literature 3.00 Units

Basic principles of oral communication are explored through analysis and interpretative performance of prose, poetry and dramatic literature.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATION: SPEECH 100*

1244	01	TTH	11:00a-12:50p	LEC 3.00	BC-106	Hogrefe,R
Note: Ref. No. 1244 - 13 week class: 02/11 - 05/15						
NOTE: Students enrolled in this section may elect to take this course for honors credit.						

### SPEECH 125 Critical Thinking Through Argumentation and Debate 3.00 Units

Study of critical thinking through oral advocacy and debate. Principles of effective argumentation including logic, reasoning, evidence, motivation, persuasion and refutation. Preparation and presentation of written and oral arguments and participation in individual and group debates. Substantial analytical reading is required.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATION: ENGL 101 or SPEECH 100*

1246	01	TTH	09:30a-10:50a	LEC 3.00	BC-106	Urbanovich,J
1248	02	MW	07:00p-09:50p	LEC 3.00	BC-106	Urbanovich,J
Note: Ref. No. 1248 - 9 week class: 03/24 - 05/14						

### SPEECH 140 Small Group Communication 3.00 Units

Introductory principles and techniques of small group interaction including participation in panel discussions, symposiums and cooperative problem-solving.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATION: Eligibility for ENGL 101 as determined through the Crafton Hills College assessment process*

1250	01	MW	09:00a-10:50a	LEC 3.00	BC-106	Hogrefe,R
Note: Ref. No. 1250 - 13 week class: 02/11 - 05/14						

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**SPEECH 145 Business Communication 4.00 Units**

Principles and techniques of effective oral and written communication in business environments.

*This course is also offered as BUSAD-145.*

*Associate Degree Applicable*

*Course credit transfers to CSU.*

**PREREQUISITE:** ENGL 914 or eligibility for ENGL 015 as determined through the Crafton Hills College assessment process

1252	01	TTH	07:00p-08:50p	LEC 4.00	BC-104	Newman,R
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**THEATRE ARTS****THART 100 Introduction to Theatre 3.00 Units**

Course designed to develop an appreciation of the theatre for majors and non-majors. Introduction to the basic elements of play production including playwriting, producing, acting, directing, set design, costume design and lighting design.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*CAN (California Articulation Number) DRAM 18*

1254	01	TTH	09:30a-10:50a	LEC 3.00	PAC-309	Bryant,T
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NOTE: Students enrolled in this section may elect to take this course for honors credit.

1256	02	W	07:00p-09:50p	LEC 3.00	PAC-309	Staff
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NOTE: Students enrolled in this section may elect to take this course for honors credit.

**THART 110 Voice and Diction 3.00 Units**

Techniques in voice production. Theory and practice in developing vocal skills for performance including breathing, pitch, volume, rate, articulation, and quality.

*This course is also offered as SPEECH-110.*

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

1258	01	TTH	01:00p-02:20p	LEC 3.00	PAC-309	Staff
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**THART 120 Acting Fundamentals 3.00 Units**

Introductory instruction in acting techniques.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

1260	01	MW	11:00a-12:20p	LEC 3.00	PAC-219	Bryant,T
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NOTE: Students enrolled in this section may elect to take this course for honors credit.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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**THART 133 Audition Techniques 1.00 Units**

Introduction to the basics of auditioning as a means of getting roles in plays or musicals.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

1262	01	W	01:00p-02:50p	LEC 1.00	PAC-219	Bryant,T
		ARR	4.5 HRS/WK	LAB	PAC-219	Bryant,T

Note: Ref. No. 1262 - 17 week class: 01/23 - 05/22

**THART 140X4 Theatre Workshop 3.00 Units**

Preparation, rehearsal, production and performance of plays, musicals and dance pieces. Participation in a variety of activities including performing, executing technical production work in the areas of scenery, costumes, lights and sound, stage management, design, musical accompaniment or directing.

*This course is also offered as MUSIC-140X4.*

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: THART 140X4 may be taken 4 times*

*DEPARTMENTAL RECOMMENDATION: Audition*

1264	01	ARR	1.92 HRS/WK	LEC 3.00	PAC-101	Bryant,T
		ARR	5.78 HRS/WK	LAB	PAC-101	Bryant,T

Note: Ref. No. 1264 - 14 week class: 02/04 - 05/15  
This course is also offered at MUSIC 140x4.  
Note: Contact instructor Tom Bryant during the first week of the semester for audition or interview information. Telephone: (909) 389-3296 Office: PAC-111

**THART 145X4 Advanced Theatre Workshop 3.00 Units**

Advanced practice in the development of a professionally mounted production, the interpretation of varied roles in dramatic literature, designing of costumes and settings for plays.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: THART 145X4 may be taken 4 times*

*DEPARTMENTAL RECOMMENDATION: THART 140X4*

1266	01	ARR	1.92 HRS/WK	LEC 3.00	PAC-101	Bryant,T
		ARR	3.85 HRS/WK	LAB	PAC-101	Bryant,T

Note: Ref. No. 1266 - 14 week class: 02/04 - 05/15  
Note: Contact Instructor Tom Bryant during the first week of the semester for audition or interview information. Telephone: (909) 389-3296 Office: PAC-111

**THART 163X4 Ballroom/Swing/Salsa 1.00 Unit**

Basic principles of Ballroom/Swing/Salsa dance.

*This course is also offered as PE/I-163X4.*

*Associate Degree Applicable*

*Course credit limited transfer CSU & UC.*

*Contact a counselor for details.*

*Note: THART 163X4 may be taken 4 times*

1268	01	M	06:30p-09:20p	LAB 1.00	G-101E	Aguilar,G
1270	02	T	06:30p-09:20p	LAB 1.00	G-101E	Schwimmer,H

Since there are often changes in faculty schedules, please check the online schedule at [www.craftonhills.edu](http://www.craftonhills.edu) for current faculty assignments.

Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## THEATRE ARTS

### THART 174X4 Dance Production Workshop 2.00 Units

Preparation, rehearsal, production and performance of dance pieces. This course meets only one unit of the physical education nutrition health education requirement for an Associate Degree.

*This course is also offered as PE/I-174X4.*

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: THART 174X4 may be taken 4 times*

*DEPARTMENTAL RECOMMENDATION: Audition*

1272	01	ARR	1 HRS/WK	LEC 2.00	PAC-101	Gomez,S
		ARR	3 HRS/WK	LAB	PAC-101	Gomez,S

### THART 179X4 Fundamentals of Stagecraft II 3.00 Units

Study of the history, theory, and practice of theatrical production in areas including lighting, sound and scene design.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*Note: THART 179X4 may be taken 4 times*

*DEPARTMENTAL RECOMMENDATION: THART 176X4*

1274	01	MW	01:40p-02:50p	LEC 3.00	PAC-101	Petrovic,S
		MW	02:51p-05:15p	LAB	PAC-101	Petrovic,S

### THART 220 Advanced Acting I 3.00 Units

Advanced class in acting techniques including scene study, text analysis and vocal expression.

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATION: Completion of a beginning acting class*

1276	01	TTH	11:00a-12:20p	LEC 3.00	PAC-219	Bryant,T
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### THART 221 Advanced Acting II 3.00 Units

*Associate Degree Applicable*

*Course credit transfers to both CSU and UC.*

*DEPARTMENTAL RECOMMENDATION: THART 220*

1278	01	TTH	11:00a-12:20p	LEC 3.00	PAC-219	Bryant,T
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Ref	Sec	Days	Time	Type/Units	Room	Instructor
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## WORK EXPERIENCE GENERAL

### WKEXP 099 General Worksite Experience

**2.00-4.00 Units**

Direct on-the-job experience. Includes development of goals and objectives that demonstrate critical thinking and problem solving skills within the context of a job.

*Associate Degree Applicable*

*PREREQUISITE: Must be employed or in volunteer service, but job need not be directly related to student's educational goals*

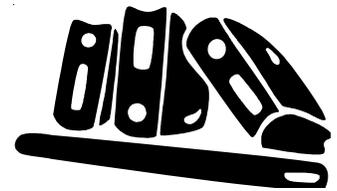
1280	01	ARR	10 HRS/WK	WRKEX 2.00	OE2-205	McCormick,K
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NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

1282	02	ARR	15 HRS/WK	WRKEX 3.00	OE2-205	McCormick,K
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NOTE: Students must attend ONE class meeting. Choose ONE class from the following: Monday, January 14, 1-3 p.m. or 5-7 p.m. OR Thursday, January 17 or 24, 1-3 p.m. or 5-7 p.m.

**Don't forget to  
include  
the expense**



**of books  
and supplies in your  
expenses calculations!**