### Schedule of Credit Classes - Fall 2013

#### Notable Information:
- Course Dates indicate Beginning and Ending Dates
- M: Monday, T: Tuesday, W: Wednesday, R: Thursday, F: Friday, S:

#### Schedule Details:

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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**DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de**

#### Administration of Justice

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**DISTANCE EDUCATION HYBRID CLASS - After registering go to www.citruscollege.edu/de**

#### Accounting

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#### Financial Accounting

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#### Managerial Accounting

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#### Income Tax Accounting

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**DISTANCE EDUCATION HYBRID CLASS - After registering go to www.citruscollege.edu/de**
ANTH 210  Introduction to Cultural Anthropology 3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
An introductory study of the biological origin of humans. The course will include an examination of presentation types and how they can be utilized to express ideas. Students sketch, draw and render projects. 54 lecture hours, 36 lab hours. CSU UC
21200 Tabata, F. TR 03:00 PM-03:50 PM PC 309 08/23-12/14
Tabata, F. TR 04:00 PM-05:05 PM PC 309 08/23-12/14
ARCH 110  Introduction to Architectural Communication and Functional Design 3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, DRAF 101.
Introduction to architectural graphic communication skills including traditional pencil drawing and computer drawing. Students analyze and apply architectural theory, principles, techniques and three dimensional model making. The course includes an examination of presentation types and how they can be utilized to communicate architectural ideas. 36 lecture hours, 72 lab hours. CSU
21201 Fernandes, R. MW 09:35 AM-10:25 AM PC 309 08/23-12/14
21668 Tabata, F. TR 06:00 PM-06:50 PM PC 309 08/23-12/14
21668 Tabata, F. TR 07:00 PM-07:50 PM PC 309 08/23-12/14
ARCH 201  Architectural Design I 3 Units
Prerequisite: ARCH 110.
Explores the tools required to begin the formulation of design concepts and structure. This exploration is supported by discussion, observations, and hands-on experimentation, including research of precedents. The goal is to develop a process of design that draws from many sources in order to solidify a concept. Craftsmanship, clarity, and eloquence are highly valued in the construction of design submittals and in written and verbal presentations. A portfolio of the assigned design exercises completes the course requirements. 36 lecture hours, 72 lab hours. CSU UC
21204 Fernandes, R. MW 10:35 AM-12:45 PM PC 309 08/23-12/14
Fernandes, R. MW 12:55 PM-02:45 PM PC 304 08/23-12/14
ANTH 212L  Introduction to Physical Anthropology Lab 1 Units
Corequisite: ANTH 212L.  Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
This course is the lab component for Introduction to Physical Anthropology 212.
Students will critically examine various societies around the world using basic cultural concepts such as language, food production, economics, kinship, art, religion, and magic. The class is designed to foster a pluralistic view of the world, teach introductory anthropological concepts, and strengthen critical thinking skills. College level reading is highly recommended for success in the course. 54 lecture hours, 34 lab hours. CSU UC
21345 Salvi, L. TR 07:00 PM-09:10 PM PC 309 08/23-12/14
### ART 100 History of Art and Appreciation - Fundamentals

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</table>

This course covers the history of western art from the fall of Rome to the Renaissance. Some of the course content is concerned with the development and evolution of art as well as its history. 54 lecture hours. CSU UC

### ART 101 History of Art and Appreciation - Ancient

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This course covers the history of western art from prehistoric times to the present. 54 lecture hours. CSU UC

### ART 102 History of Art and Appreciation - Medieval

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</table>

This course covers the history of western art from the fall of Rome to the beginning of the Renaissance. Some of the course content is concerned with the development and evolution of art as well as its history. 54 lecture hours. CSU UC

### ART 103 History of Art and Appreciation - Renaissance to Rococo

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</table>

This course covers the history of western art from the early Renaissance through the Rococo period. This course is concerned with both the history of art and the fundamentals of the appreciation of art. 54 lecture hours. CSU UC

### ART 104 Art History and Appreciation - Early 20th Century

<table>
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This course covers the history of western art from the late 19th century to mid-20th century. The course is concerned with the fundamentals of art appreciation as well as the history of our times. 54 lecture hours. CSU UC

### ART 105 Introduction to the Visual Arts

<table>
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This course covers the history of western art from the late 19th century to mid-20th century. The course is concerned with the fundamentals of art appreciation as well as the history of our times. 54 lecture hours. CSU UC

### ART 106 Beginning Drawing

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This course covers the history of western art from the fall of Rome to the beginning of the Renaissance. Some of the course content is concerned with the development and evolution of art as well as its history. 54 lecture hours. CSU UC

### ART 107 Intermediate Drawing

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This course covers the history of western art from the early Renaissance through the Rococo period. This course is concerned with both the history of art and the fundamentals of the appreciation of art. 54 lecture hours. CSU UC

### ART 108 Figure Drawing

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### Schedule of Credit Classes - Fall 2013

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#### ART 120 Two-Dimensional Design
3 Units

- Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
- An investigation of the elements of art: especially color and composition.
- Emphasis is placed on individual solutions to visual problems by observing the principles of design. Required of all major arts. 36 hours lecture, 72 lab hours. CSU UC

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#### ART 130 Beginning Painting
3 Units

- An objective approach to form, space, and color concepts using oil or acrylic paint. Includes critical examination of paintings for technical and aesthetic concerns, content, and historical/cultural influences.
- 36 lecture hours, 72 lab hours. CSU UC

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#### ART 131 Intermediate Painting
3 Units

- Prerequisite: ART 130.
- Development of expressive painting concepts and techniques in oil and acrylic, with emphasis on historical, theoretical, and cultural meanings.
- Standard painting media. 36 lecture hours, 72 lab hours. CSU UC

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#### ART 140 Beginning Ceramics
3 Units

- Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
- This course explores basic techniques of pottery making. It includes handbuilding and throwing on the potter’s wheel. Emphasis is on understanding the qualities of clay, appreciation of basic pottery forms, simple glazing technique and the development of personal expression. Material fee. 36 lecture hours, 72 lab hours. CSU UC

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#### ART 141 Intermediate Ceramics
3 Units

- Prerequisite: ART 140.
- This course further develops basic pottery skills by introducing new forms on the potter's wheel and additional decorating and glazing techniques. Material fee. 36 lecture hours, 72 lab hours. CSU UC

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</table>
### ART 162  Computer Graphics I  3 Units
Strongly recommended: ART 150 or ART 158.
An introduction and skill development course using the computer as a tool for graphic design and page layout concepts. The designer works on the role of graphic design and the designer in contemporary society and how computer technology plays a major part in this rapidly developing career field. Software includes: current software applications. 36 lecture hours, 72 lab hours. CSU

- **CRN**: 21747
- **Instructor**: Jackson, M.
- **Days**: M
- **Time**: 11:30 AM-12:20 PM
- **Room**: AC 101
- **D**: 08/23-12/14

### ART 167  Web Design I  3 Units
Strongly recommended: ART 150 or Portfolio review.
An overview of World Wide Web with emphasis on design and publishing. This course utilizes various developmental tools in the design of pages to be used on the Internet for commercial or personal use. 36 lecture hours, 72 lab hours. CSU

- **CRN**: 21747
- **Instructor**: Jackson, M.
- **Days**: M
- **Time**: 11:30 AM-12:20 PM
- **Room**: AC 101
- **D**: 08/23-12/14

### ART 184  Art Portfolio and Resume Production  3 Units
Prerequisites: ART 153, ART 158, ART 162, and ART 167.
An advanced course to prepare a portfolio that best represents the student's academic achievement in the studio art/design discipline and may include traditional studio work, computer (CGI) art and graphic design. Additionally, the production of a professional appearing resume plus participation in mock interviews will be a part of the class. 36 lecture hours, 72 lab hours.

- **CRN**: 20494
- **Instructor**: Jackson, M.
- **Days**: T
- **Time**: 08:10 AM-09:00 AM
- **Room**: AC 101
- **D**: 08/23-12/14

### ART 199  Motion Picture Appreciation  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
An introductory course in which the student will learn how to analyze films on technical, aesthetic, and thematic levels. Historically significant films will be shown. If required by English level, placement exam or if required by English level.

- **CRN**: 21751
- **Instructor**: Jackson, M.
- **Days**: M
- **Time**: 11:30 AM-12:20 PM
- **Room**: AC 101
- **D**: 08/23-12/14

### ART 206  History of Latin American Art  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
Survey of the art of Mexico and Central and South America from the Spanish Colonial period forward to the present. 54 lecture hours. CSU UC

- **CRN**: 21748
- **Instructor**: Holmes, A.
- **Days**: TR
- **Time**: 11:30 AM-12:55 PM
- **Room**: AC 103
- **D**: 08/23-12/14

### ART 230  Advanced Painting  3 Units

### ART 240  Advanced Ceramics I  3 Units
Prerequisite: ART 141.
An advanced course in pottery with an emphasis on larger forms and development of a distinctive style. Also included is glaze technology and basic kiln operation. Material fee. 36 lecture hours, 72 lab hours. CSU UC

- **CRN**: 20494
- **Instructor**: Jackson, M.
- **Days**: T
- **Time**: 08:10 AM-09:00 AM
- **Room**: AC 101
- **D**: 08/23-12/14

### ART 249  Animation II  3 Units
Prerequisites: ART 153 and ART 131.
Personalized exploration of expressive painting concepts and techniques in oil and acrylic paint. Includes critical examination of paintings for technical and aesthetic concerns, content, and historical/cultural influences. 36 lecture hours, 72 lab hours. CSU UC

- **CRN**: 20494
- **Instructor**: Jackson, M.
- **Days**: T
- **Time**: 08:10 AM-09:00 AM
- **Room**: AC 101
- **D**: 08/23-12/14
## Schedule of Credit Classes - Fall 2013

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### ASTR 115 Planetary Astronomy 3 Units
- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 030.
- The astronomy of the solar system including the history of astronomy, Newton's and Kepler's laws, light, telescopes, the Sun, terrestrial and giant planets, satellites, comets, meteors, and the origin of the solar system. 54 lecture hours. CSU UC.

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### ASTR 116 Stellar Astronomy 4 Units
- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 030.
- The fundamental areas of stellar astronomy including the structure, classification and evolution of stars, galaxies and the universe, interstellar matter, and the theories of Newton and Einstein. Laboratory exercises include: energy and forces, light, optics, telescopes, stars and their classification, and galaxies. 54 lecture hours, 54 lab hours. CSU UC.

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### ASTR 117 Life In The Universe 3 Units
- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 030.
- The original and evolution of life on Earth, the processes and conditions relevant to life elsewhere in the universe, and the ongoing search for extraterrestrial life. 54 lecture hours. CSU UC.

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### Automotive - Auto, Lt Truck

#### AUTO 100 Automotive Technology and Maintenance for the Consumer 3 Units
- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement exam or if required by English level.
- Intended for non-majors. Automobiles and light trucks will be explained from the point of view of the service technician. Appropriate lab activities in automobile inspection, service and repair are included. 54 lecture hours, 18 lab hours. CSU.

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#### AUTO 101 Fundamentals of Automotive Service, Diagnosis and Repair 5 Units
- **Prerequisite:** ENGL 098 if required by English placement exam or if required by English level.
- Intended for automotive majors, this class serves as the pre-requisite for all automotive certificate and/or degree-applicable courses. Automobiles and light trucks will be explored from the point of view of the service technician. Scientific principles and operation of essential automotive technologies are central to the course goal of preparing students for entry into the automotive core curriculum. Appropriate lab activities in automobile inspection, service and repair are included. 72 lecture hours, 54 lab hours. CSU.

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#### AUTO 104 Diesel Engine Management Systems 4 Units
- **Prerequisite:** AUTO 148 or AUTO 168 or MTRK 151.
- Intended for Automotive and Medium/Heavy Truck students, this course covers the theory of operation of 4-stroke diesel engines along with the theory of operation, testing and inspection, and service repair of air-inlet systems (including forced induction), exhaust systems, fuel-delivery systems (including mechanical and electronic engine controls), and emission-control systems.
- Course prepares students for ASE A9 and/or T2 certification. 72 lecture hours. CSU.

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### AUTO 151 Engine Service, Diagnosis and Repair 5 Units
- **Prerequisite:** AUTO 101.
- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 030 or higher.
- Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. The course covers essential engine theory, inspection, diagnosis, service and repair. Engine disassembly, inspection, measurements and assembly are covered, with emphasis on in-vehicle repairs. The course prepares students for ASE Engine Repair (A1) certification exam. 54 lecture hours, 135 lab hours. CSU.

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### AUTO 154 Chassis Service, Diagnosis, and Repair 8 Units
- **Prerequisite:** AUTO 101 and AUTO 156.
- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 030 or higher.
- Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. The course covers essential chassis system theory, along with inspection, diagnosis, service and repair of the following undercar systems: brake, steering, suspension, alignment, wheel/tire, ride control and ABS. Course prepares students for ASE Suspension and Steering (A4) and ASE Brakes (A5) certification. 108 lecture hours, 135 lab hours. CSU.

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Register online at citruscollege.edu/ar WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626) 914-8833
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<td>Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 030 or higher.</td>
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<td>Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. This class covers essential electrical and electronic systems theory, along with inspection, diagnosis, service &amp; repair of specific electrical systems including the battery, starting systems, charging systems, lighting systems, gauges, and instrument-panel warning lights. Prepares students for ASE Electrical &amp; Electronic Systems (A6) certification. 68 lecture hours, 72 lab hours. CSU</td>
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| AUTO 162 Drivetrain Service, Diagnosis and Repair | 8 Units |
| Prerequisite: AUTO 166. |
| Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. Also, MATH 030 or higher. |
| Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. This course focuses on the service, diagnosis and repair of the manual and automatic automotive drivetrain systems. Appropriate lab activities in automobile drivetrain inspection, service and repair are included. The course prepares students for the ASE Automatic Transmission and Transaxle (A2) and Manual Drivetrain and Axles (A3) certification exams. 108 lecture hours, 135 lab hours. CSU |
| 20939 Clark, J. MT 08:00 AM-11:10 AM TE 104 08/23-12/14 |
| 20940 Rubio, M. WR 07:30 AM-10:35 AM TE 105 08/23-12/14 |

| AUTO 168 Engine Control Systems Service, Diagnosis and Repair | 8 Units |
| Prerequisite: AUTO 151 and AUTO 166. |
| Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. Also, MATH 030 or higher. |
| Intended for those seeking a career in the automotive service and repair industry. This National Automotive Technicians' Education Foundation certified course is one component of the Toyota Technical Education Network and Technicians' Education Cooperative programs. The course covers essential engine management systems theory, along with inspection, diagnosis, service & repair of the following systems: ignition, fuel, delivery, electronic engine controls, and auxiliary emission controls. This course prepares students for ASE Engine Performance (A8) certification. 108 lecture hours, 135 lab hours. CSU |
| 20940 Rubio, M. WR 07:30 AM-10:35 AM TE 105 08/23-12/14 |

| AUTO 230B Automotive Service and Repair Work Experience B | 2 Units |
| Recommended Skills: AUTO 101, 151, 154, 156, 162, 166, 167 and 168 SLOs. Strongly recommended: Completion of 16 units in automotive technology coursework. |
| Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty advisor. Lab hours are arranged and completed at the place of employment. This AUTO 230 course may be taken four times for a maximum of four units. Pass/No Pass grading only. 9 lecture hours, 320 lab hours. Arranged. |
| 20943 Clark, J. HRS-ARRG 08/23-12/14 |

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<tr>
<td>AUTO 230C Automotive Service and Repair Work Experience C</td>
<td>3 Units</td>
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<td>Strongly recommended: Completion of 16 units in automotive technology coursework.</td>
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<td>Limitation on Enrollment: Department consent required prior to enrollment. Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty advisor. Lab hours are arranged and completed at the place of employment. The AUTO 230 A-D series of courses may be taken in any combination for a maximum of four units. Pass/No Pass grading only. 9 lecture hours, 480 lab hours arranged.</td>
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<tr>
<td>20944 Clark, J. HRS-ARRG 08/23-12/14</td>
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</tbody>
</table>

| AUTO 230D Automotive Service and Repair Work Experience D | 4 Units |
| Strongly recommended: Completion of 16 units in automotive technology coursework. |
| Limitation on Enrollment: Department consent required prior to enrollment. Automotive technology work experience is designed to extend occupational learning through employment and coordinate the on-the-job training with program instruction. Individual student goals and learning objectives will be designed by the student cooperatively with the employer and faculty advisor. Lab hours are arranged and completed at the place of employment. The AUTO 230 A-D series of courses may be taken in any combination for a maximum of four units. Pass/No Pass grading only. 9 lecture hours, 640 lab hours arranged. |
| 20945 Clark, J. HRS-ARRG 08/23-12/14 |

| BIOL 102 Human Genetics | 3 Units |
| Prerequisite: MATH 030. |
| Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. General principles of genetics and reproduction in wellness and disease as applied in human health and include Mendelian inheritance, extensions and exceptions to Mendelian inheritance, multifactorial traits, DNA structure, function, and replication, cell division, population genetics, evolution, immunity, cancer, and genetic technologies. 54 lecture hours. CSU UC |
| 20875 Goedhart, C. HRS-ARRG 08/23-12/14 |

| BIOL 104 Biology: Contemporary Topics | 3 Units |
| Prerequisite: ENGL 099 or READ 099 if required by English placement or if required by English level. A general biology lecture course for non-majors which will cover basic life processes and address contemporary issues in biology. Biological principles covered will include chemical foundations of biology, cell structure and function, cell reproduction, and genetics. Contemporary issues may include such areas as public health, biotechnology, and environmental science. 54 lecture hours. CSU UC |
| 21488 Lee, M. MW 09:55 AM-11:20 AM PS 113 08/23-12/14 |
| 21489 Lee, M. MW 11:30 AM-12:55 PM LH 103 08/23-12/14 |
| 21316 Lee, M. MW 01:05 PM-02:30 PM LH 103 08/23-12/14 |
| 21683 Tsark, E. TR 08:20 AM-09:45 AM PS 106 08/23-12/14 |
| 20884 Tsark, E. TR 09:55 AM-11:20 AM PS 106 08/23-12/14 |
| 20885 Dery, K. M 07:00 PM-10:10 PM LH 103 08/23-12/14 |
Biol 105 General Biology 4 Units

A general biology course, lecture and laboratory, for non-majors, with emphasis upon molecular biology, cell structure and function, energy relationships, nutrient processing, reproduction and development, genetics and evolution, ecological interrelationships, and discussion of contemporary issues. The laboratory provides the student with expanded first-hand experience in specific areas of course content. 54 lecture hours, 54 lab hours. CSU UC

Biol 124 Principles of Biology I 5 Units

Prerequisite: MATH 150.

A principles of biology course designed for biology majors and pre-med students. Detailed study of basic structure and function of living material, with emphasis on cell and molecular biology, genetic mechanisms and their control, reproduction and development, evolution. 72 lecture hours, 54 lab hours. CSU UC

Biol 125 Principles of Biology II 5 Units

Prerequisite: MATH 150.

A principles of biology course designed for biology majors and pre-med students. Detailed study of the structure and function of living material, with emphasis on the diversity of living material, animal and plant form, function, reproduction and development, evolution, and ecological relationships. 72 lecture hours, 54 lab hours. CSU UC

Biol 145 Environmental Science 3 Units

Strongly recommended: BIOL 104 or BIOL 105. Also, ENGL 099 or READ 099 if required by English placement or if required by English level.

A lecture course exploring contemporary global environmental concerns. Basic concepts covered will include the Earth's life support systems, population dynamics, environmental pollution, food production, and natural resource utilization. Emphasis will be placed on recognizing global environmental problems and exploring various solutions for them. 54 lecture hours. CSU UC

Biol 200 Human Anatomy 4 Units

Prerequisite: BIOL 105 or BIOL 124.

Biology 200 is a lecture/laboratory course in human anatomy focusing on the structures and organs of the human body. Students will be required to learn and understand the structures from the molecular to gross levels, using the microscope, standard anatomical (plastic) models, and preserved specimens (sheep heart, sheep brain, and cat). Required of pre-nursing students. 54 lecture hours, 54 lab hours. CSU UC
### Schedule of Credit Classes - Fall 2013

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<td>LS 116</td>
<td>08/23-12/14</td>
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</tbody>
</table>

### BIOL 201 Human Physiology 4 Units

Prerequisites: BIOL 200 and CHEM 103 or CHEM 104 or CHEM 110 or CHEM 111 or CHEM 112.

An advanced course in human physiology emphasizing muscle, nerve, circulation, respiration, excretion, digestion, and reproduction systems.

Required of pre-nursing students. 54 lecture hours, 54 lab hours. CSU UC

### BIOL 220 Microbiology 5 Units

Prerequisite: BIOL 104 or BIOL 105 or BIOL 124 and CHEM 103 or CHEM 104 or CHEM 110 or CHEM 111 or CHEM 112.

An introduction to the biology of microorganisms including bacteria, viruses, fungi, and protozoa. Metabolism, genetics, culture methods, identification, and control of common microbes are considered. Emphasis is placed on the virulence mechanisms and control of human pathogens and on the principles of immunology and host defense. Laboratory work includes techniques common to the control, culture, and identification of microbes. Required of pre-nursing students and medical technicians. 54 lecture hours, 108 lab hours. CSU UC

### BUS 130 Introduction to Business 3 Units

This is a foundation course in business administration. It is recommended for all students planning further study in this field. Lecture, discussion, and problems involve such topics as business finance, personnel, production, distribution, government regulations, and managerial controls. 54 lecture hours.

CSU UC

<table>
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<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<td>08/23-12/14</td>
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<td>08/23-12/14</td>
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<td>08/23-12/14</td>
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<tr>
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<td>06:00 PM-09:10 PM</td>
<td>LB 208</td>
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</table>

**BUS 132 Ethics in Business** 3 Units

This course emphasizes development of managerial decision-making skills utilizing ethical business standards for improvement of business organizations, communities, government, and international trade. 54 lecture hours. CSU

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<tr>
<th>CRN</th>
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<th>Time</th>
<th>Room</th>
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<td>01:05 PM-02:30 PM</td>
<td>LB 202</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>
**BUS 172 Personnel Management**  
3 Units  
The study of personnel management emphasizing employer/employee relationships, communications, employee selection, job analysis and description, job motivation and productivity, employee benefits, principles of collective bargaining, labor relations, O.S.H.A., and affirmative action. 54 lecture hours, CSU  
20716 Durfield, T.  
HRS-ARRG  
08/23-12/14  
DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de  

**BUS 175 Introduction to Management**  
3 Units  
Strongly recommended: ENGL 099 if required by English placement exam or if required by English level.  
A course focusing on communication, decision making, and leadership for administrative and managerial positions in business, government, the professions, and the volunteer sector. 54 lecture hours, CSU  
21246 Richard, L.  
HRS-ARRG  
08/23-12/14  
DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de  

**BUS 176 Management for the Office Professional**  
3 Units  
An overview of office management for administrative professionals. Topics include: concepts and trends in administrative office management, centralizing/decentralizing managerial authority, communication in the office, managing a culturally diverse workplace, managing the ergonomic office environment, automating the office, managing office information systems, and improving office productivity. 54 lecture hours, CSU  
20814 James, R.  
HRS-ARRG  
08/23-12/14  
DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de  

**BUS 192 Advertising**  
3 Units  
Strongly recommended: ENGL 099 if required by English placement exam or if required by English level.  
A study of media advertising, including magazine, television, radio, newspaper, and direct mail; the purpose and cycles of advertising; laws affecting advertising; and economic effects of advertising. 54 lecture hours. CSU  
20815 Richard, L.  
TR  
11:30 AM-12:55 PM  
LB 207  
08/23-12/14  

**Chemistry**  

**CHEM 103 College Chemistry**  
5 Units  
Prerequisite: MATH 030.  
The first semester of a year program includes chemistry of inorganic compounds; covers topics of nomenclature, stoichiometry, bonding, chemical equations, gas laws, solutions, acids and bases, nuclear processes and chemical equilibrium. Required for students transferring to four-year college nursing programs and students majoring in physical therapy, occupational therapy, and home economics. 72 lecture hours, 72 lab hours. CSU UC  
20124 Farnum, M.  
M  
05:00 PM-06:15 PM  
PS 222  
08/23-12/14  
21039 Farahani, B.  
T  
02:00 PM-06:15 PM  
LH 103  
08/23-12/14  
20121 Ryba, D.  
F  
08:30 AM-12:45 PM  
PS 222  
08/23-12/14  
DISTANCE EDUCATION HYBRID CLASS After registering go to www.citruscollege.edu/de. Mandatory lab meets on campus. Students required to take exams on campus.  

**CHEM 104 College Chemistry**  
5 Units  
Prerequisite: CHEM 103 or CHEM 110.  
The second semester of a year program includes chemistry of organic compounds; covers topics in biochemistry including carbohydrates, fats, proteins, metabolism, nucleic acids, and nutrition. Required for students transferring to four-year college nursing programs and students majoring in physical therapy, occupational therapy and home economics. 72 lecture hours, 72 lab hours. CSU UC  
20173 Farahani, B.  
M  
05:00 PM-09:15 PM  
PS 113  
08/23-12/14  
Farahani, B.  
W  
05:00 PM-09:15 PM  
PS 203  
08/23-12/14  

**CHEM 110 Beginning General Chemistry**  
5 Units  
Prerequisite: MATH 150 or concurrent enrollment.  
An introductory course in the fundamental principles of chemistry. Topics covered are those necessary for understanding chemical structure and reactivity, and for scientific calculations. There is an emphasis on laboratory work and communication skills. The course is designed for science and engineering majors, pre-medical students, and as a general education class. 54 lecture hours, 126 lab hours. CSU UC  
20249 Miles, T.  
Lecture section only. Lab section also required.  
08/23-12/14  
20253 Ryba, D.  
TR  
11:30 AM-12:55 PM  
PS 113  
08/23-12/14  
20254 Montgomery, R.  
TR  
04:55 PM-06:20 PM  
PS 222  
08/23-12/14  
20259 Johnson, S.  
MW  
07:35 AM-11:10 AM  
PS 222  
08/23-12/14  
20251 Miles, T.  
MW  
01:10 PM-04:45 PM  
PS 222  
08/23-12/14  
Lab section only. Lecture section also required.  
20279 Farahani, B.  
TR  
07:35 AM-11:10 AM  
PS 222  
08/23-12/14  
Lab section only. Lecture section also required.  
20340 Farahani, B.  
MW  
01:10 PM-04:45 PM  
PS 222  
08/23-12/14  
Lab section only. Lecture section also required.  
20344 Montgomery, R.  
TR  
06:30 PM-10:05 PM  
PS 222  
08/23-12/14  
Lab section only. Lecture section also required.  

**CHEM 111 General Chemistry**  
5 Units  
Prerequisite: MATH 150. Passing score on Chemistry Placement Test or CHEM 110.  
A general course in the fundamental principles of chemistry. Topics covered include periodicity, stoichiometry, nomenclature, atomic structure, bonding, chemical calculations, thermodynamics, intermolecular forces, gases and organic chemistry. The course is designed for all science and engineering majors and pre-medical students. 54 lecture hours, 126 lab hours. CSU UC  
20286 Entus, N.  
TR  
11:30 AM-12:55 PM  
LH 103  
08/23-12/14  
Lab section only. Lecture section also required.  
20296 Entus, R.  
TR  
07:35 AM-11:10 AM  
PS 211  
08/23-12/14  
Lab section only. Lecture section also required.  
20324 Smyth, N.  
TR  
01:10 PM-04:45 PM  
PS 211  
08/23-12/14  
Lab section only. Lecture section also required.  

**CHEM 112 General Chemistry**  
5 Units  
Prerequisite: CHEM 111.  
A general course in the fundamental principles of chemistry. Chemistry 112 is a continuation of Chemistry 111 and includes topics of equilibrium, kinetics, acid-base chemistry, electrochemistry, nuclear processes, coordination chemistry and thermodynamics. 54 lecture hours, 126 lab hours. CSU UC  
20330 Miles, T.  
TR  
11:30 AM-12:55 PM  
PS 222  
08/23-12/14  
Lab section only. Lecture section also required.  
20880 Miles, T.  
MW  
07:35 AM-11:10 AM  
PS 203  
08/23-12/14  
Lab section only. Lecture section also required.  
20333 Miles, T.  
TR  
07:35 AM-11:10 AM  
PS 203  
08/23-12/14  
Lab section only. Lecture section also required.  

**CHEM 210 Organic Chemistry**  
3 Units  
Prerequisite: CHEM 112.  
A course in organic chemistry including the properties and reactions of alkanes, alkenes, alkylnes, alcohols, ethers, thiols, emphasizing fundamental principles and reaction mechanism, stereochemistry and IR spectroscopy. First semester of a one-year course, required for students enrolled in pre-professional programs in medicine, dentistry, pharmacy, veterinary science, biology, and chemistry. CHEM 211L required concurrently for most stated majors. 54 lecture hours. CSU UC  
20503 Farahani, B.  
MW  
07:40 AM-09:05 AM  
PS 113  
08/23-12/14  

**CHEM 211L Organic Chemistry Lab**  
1 Units  
Prerequisite: CHEM 210 or Corequisite: CHEM 210.  
Introduction to organic laboratory techniques such as melting point, crystallization, distillation, thin layer chromatography, extraction. Synthesis of an ether and an alkene. 54 lab hours. CSU UC  
20665 Farahani, B.  
F  
08:10 AM-11:20 AM  
PS 211  
08/23-12/14  

**Child Development**
CHLD 100  Introduction to Education and Teaching Grades K-12  3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course is an introductory course for students wishing to explore the teaching profession in the K-12 setting. Topics include an introduction to teacher preparation expectations and California Standards for the teaching profession. Other topics include pedagogical strategies, curriculum design, California subject matter standards, use of technology in today's classroom and the importance of current issues and legislation. In addition, students are REQUIRED to observe 45 hours in K-12 classrooms to complete the course successfully. 54 lecture hours. CSU

CRN  Instructor   Days  Time  Room  D
20826  Hahn, S.  M  03:40 PM-06:50 PM  LB 107  08/23-12/14

CHLD 120  Literacy for Children  3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course will explore teaching strategies, interactions and environments necessary for nurturing early language development and literacy skills in the preschool and early school-age child. Students will analyze developmentally appropriate curriculum that supports children's emerging listening, speaking, reading and writing skills. Students will survey children's picture books and learn techniques to enhance literacy development across the curriculum including storytelling, puppetry and other relevant language arts experiences for children 3-8 years. 54 lecture hours.

CRN  Instructor   Days  Time  Room  D
20455  Hahn, S.  TR  01:05 PM-02:30 PM  LB 107  08/23-12/14

CHLD 110  Early Childhood Development  3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. 54 lecture hours. CSU

CRN  Instructor   Days  Time  Room  D
20378  Hahn, S.  MW  01:05 PM-02:30 PM  LB 107  08/23-12/14
20394  Hahn, S.  TR  11:30 AM-12:55 PM  LB 107  08/23-12/14
21692  Bollman, J.  M  07:00 PM-10:10 PM  LB 310  08/23-12/14

CHLD 121  Art for Children  2 Units

Designed to provide the student with opportunities to experience and evaluate art and crafts materials used with the preschool and early school-age child to discover the development of creativity in children. The student will design developmentally appropriate art curriculum and explore ways to support creative thinking and experiences for children. Students will gain appreciation for art and creative thinking within diverse cultures and society at large. 36 lecture hours.

CRN  Instructor   Days  Time  Room  D
20479  Doolittle, J.  W  03:50 PM-05:55 PM  LB 107  08/23-12/14

CHLD 122  Music and Rhythms for Children  2 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course will provide the student with basic skills and techniques for using musical instruments, recordings and songs and develop rhythmic movement activities to use with preschool and early school-age children. Students will analyze, discuss and plan developmentally appropriate curriculum that supports children's music and movement needs. Previous music experience is not required. 36 lecture hours.

CRN  Instructor   Days  Time  Room  D
20714  Doolittle, J.  W  06:05 PM-08:10 PM  LB 107  08/23-12/14

CHLD 123  Science Experiences for Children  1 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course focuses on planning and implementing science experiences with preschool and early school-age children. Students will analyze and plan developmentally appropriate curriculum that supports children's understanding of life, earth and physical science concepts. This course provides exposure to formal, informal and incidental science activities and direct use of science materials. Students will analyze the teacher's role in incorporating science concepts within the total program for children. 18 lecture hours.

CRN  Instructor   Days  Time  Room  D
20486  Doolittle, J.  F  09:15 AM-11:20 AM  LB 107  08/23-12/14
First Eight Weeks

CHLD 144  Health, Safety and Nutrition for Young Children  3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course provides an overview of health, safety and nutrition standards, regulations, laws, policies and procedures and focuses on health, safety and nutrition program development and curriculum materials in early childhood education settings. Key components that ensure physical and mental health and safety for both children and staff will be identified. Emphasis will be placed on the importance of collaborating with families and health professionals. 54 lecture hours.

CRN  Instructor   Days  Time  Room  D
20851  Ysais, M.  R  03:40 PM-05:55 PM  LB 107  08/23-12/14

CHLD 150  Multi-Culture Anti-Bias Classrooms  3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course will involve self-reflection of one's own understanding of educational principles as one integrates anti-bias goals to better inform teaching practices and program development. Students will examine the development of social identities in diverse societies including theoretical and practical implications affecting young children, families, programs, teaching and education/schooling. Included is an examination of culturally relevant and linguistically appropriate approaches that support all children in becoming competent members of a diverse society. 54 lecture hours. CSU

CRN  Instructor   Days  Time  Room  D
21536  Simpson, L.  M  07:00 PM-10:10 PM  LB 107  08/23-12/14
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<td>08/23-12/14</td>
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**CHLD 154**  
**Observing and Recording Behavior**  
3 Units  
Prerequisites: CHLD 110 or CHLD 111 or PSY 206 and CHLD 112.  
This course will focus on principles of observation, collection, organization, and uses of data. Observation as the basis for evaluation of children's skills and the formulation of lesson plans will be the basis of field work assignments. Students will practice a variety of techniques in a variety of different settings. Students will organize data gathered for use in lesson planning and parent conferencing. 54 lecture hours. CSU

**CHLD 169**  
**Managing Challenging and Disruptive Behaviors**  
1 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. This course provides an overview of challenging and disruptive behaviors in preschoolers. Topics of study include attention deficit disorder, aggression, and other related topics. Students will analyze behavioral issues and explore strategies for classroom management. Students will develop guidance techniques for modifying inappropriate behaviors. 18 lecture hours.

**CHLD 181**  
**Infant and Toddler Caregiver: Socialization and Emotional Development**  
1 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. This is one of four one-unit classes in Infant and Toddler Caregiving based on the Responsive Caregiving approach. Students in this class will examine the impact of teacher/parent relationships on the quality of Infant and Toddler Caregiving and review and evaluate techniques for supporting families. This class partially meets the licensing requirement for 3 units in infant and toddler care and development. 18 lecture hours.

**CHLD 182**  
**Infant and Toddler Caregiver: Relationships**  
1 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. This is one of four one-unit classes in Infant and Toddler Caregiving based on the Responsive Caregiving approach. Students in this class will study infant and toddler temperaments, stages of social and emotional development, appropriate guidance, and responsive curriculum for group care. This class partially meets the licensing requirement for 3 units in infant and toddler care and development. 18 lecture hours.

**Chinese**

**CHIN 101**  
**Chinese I**  
5 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. A course in elementary Chinese (Mandarin) grammar, vocabulary and pronunciation which aims at understanding, speaking, reading and writing simple Chinese and serves as an introduction to Chinese geography and culture. 90 lecture hours. CSU UC

**Communications**

**COMM 100**  
**Mass Media and Society**  
3 Units  
Strongly recommended: COMM 101. Computer instruction and practice. Analysis of story structures and effectiveness of written material, rewriting, correction of errors, proofreading, headline writing, news and picture evaluation, and page design. Hands-on experience working on student publications with the college newspaper and magazine staffs. 36 lecture hours, 54 lab hours. CSU

**COMM 230**  
**Desktop Publishing**  
3 Units  
Strongly recommended: COMM 101. Computer instruction and practice. Analysis of story structures and effectiveness of written material, rewriting, correction of errors, proofreading, headline writing, news and picture evaluation, and page design. Hands-on experience working on student publications with the college newspaper and magazine staffs. 36 lecture hours, 54 lab hours. CSU
### Computer Information Systems

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
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#### CIS 099 Introduction to Windows and Personal Computers

- Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
- This course covers computer literacy concepts. It provides an introduction to the personal computer via the Windows operating systems. The course prepares students to operate a computer using the Windows graphical user interface. It is designed for students with no previous computer experience. 36 lecture hours.

<table>
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<tr>
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<th>Days</th>
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<td>08/23-12/14</td>
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</table>

#### CIS 107 Information Systems and Applications

- Strongly recommended: CIS 099. Also, ENGL 099 or READ 099 if required by English placement or if required by English level.
- This course covers essential concepts of information technology. Topics include computer hardware, software, programming concepts, network/internet technologies, ethics and emerging technologies. 72 lecture hours. CSU UC

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<tr>
<th>CRN</th>
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<th>Days</th>
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#### DISTANCE EDUCATION HYBRID CLASS

After registering go to www.citruscollege.edu/de

### Cosmetology

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<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
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<td>TC 208</td>
<td>08/23-12/14</td>
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</table>

#### COS 141 Introduction to Cosmetology

- This is the introductory course for students majoring in cosmetology. The course includes the exploration of a variety of subjects including haircutting, hairstyling, skin care, nail care, hair coloring, chemical texturizing and practical experience in cosmetology. Material fee. 144 lecture hours, 144 lab hours.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
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<td>09:45 AM-11:50 AM</td>
<td>TC 208</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

#### Additional fees for the Cosmetology Program Kit are approximately $2,000. The Kit must be purchased on-line from the Owl Book Store link at time of registration or on the first day of class to be able to continue in the Program. Call the Department at 626/914-8710 for further questions.

#### Strongly recommended: Students enroll in CRN 21733 or CRN 21734.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<td>08/23-12/14</td>
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</table>

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#### Strongly recommended: Students enroll in CRN 2156 - College Planning CRN 21733 or CRN 21734.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
<th>Time</th>
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</table>

#### Additional fees for the Cosmetology Program Kit are approximately $2,000. The Kit must be purchased on-line from the Owl Book Store link at time of registration or on the first day of class to be able to continue in the Program. Call the Department at 626/914-8710 for further questions.

#### Strongly recommended: Students enroll in CRN 2156 - College Planning CRN 21733 or CRN 21734.
### COS 161A  Haircolor I

**4 Units**

Prerequisite: COS 140 or COS 141 or concurrent enrollment.

A continuation of the science, theory, professional haircoloring techniques, and procedures following COS 161A. Lectures, demonstrations, and practical experience in the following areas: advanced hair coloring procedures, advanced lightening procedures, specialized color application, and corrective haircolor. Part two of a two-part course. 40 lecture hours, 104 lab hours.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
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<tr>
<td>20903</td>
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### COS 161B  Haircolor II

**4 Units**

Prerequisite: COS 154 or COS 161A.

A continuation of the science, theory, professional haircoloring techniques, and procedures following COS 161A. Lectures, demonstrations, and practical experience in the following areas: advanced hair coloring procedures, advanced lightening procedures, specialized color application, and corrective haircolor. Part two of a two-part course. 40 lecture hours, 104 lab hours.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
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### COS 172A  Hair Design I

**4 Units**

Prerequisite: COS 161B and COS 181B.

A continuation of the science, theory, professional hairstyling techniques and procedures completed in COS 141. Lectures, demonstrations and practical experience in the following areas: wet hair styling, thermal styling and long hair design. Part one of a two-part course. 40 lecture hours, 104 lab hours.

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<tr>
<th>CRN</th>
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<td>MTWR</td>
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</table>

### COS 172B  Hair Design II

**4 Units**

Prerequisite: COS 172A.

A continuation of the science and theory of professional hairstyling techniques and procedures following COS 172A. Lectures, demonstrations, and practical experience in the following areas: Hair care, scalp diseases/disorders, advanced wet/thermal hairstyling, advanced long hair design, and creative artistry in hair design. Part two of a two-part course. 40 lecture hours, 104 lab hours.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
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<th>Room</th>
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<tr>
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</table>

### COS 178A  Chemical Texturizing I

**4 Units**

Prerequisite: COS 161B and COS 181B.

A continuation of the science and theory of professional permanent waving and straightening techniques and procedures introduced in Cosmetology 141. Lectures, demonstrations, and practical experience in the following areas: permanent waving, chemical hair straightening and the chemistry of products. Part one of a two-part course. 40 lecture hours, 104 lab hours.

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<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
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### COS 178B  Chemical Texturizing II

**4 Units**

Prerequisite: COS 178A.

A continuation of the science and theory of professional permanent waving and straightening techniques and procedures introduced in Cosmetology 178A. Lectures, demonstrations and practical experience in the following areas: hair reformation, trichology, scalp and chemical procedures and treatments. Part two of a two-part course. 40 lecture hours, 104 lab hours.

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<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
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### COS 181A  Hairsculpting I

**4 Units**

Prerequisite: COS 140 or COS 141 or concurrent enrollment.

A continuation of the theory of professional haircutting techniques and procedures following COS 181A. Lectures, demonstrations and practical experience in the following areas: Women’s haircutting, men’s haircutting and clipper cutting. Part one of a two-part course. 40 lecture hours, 104 lab hours.

<table>
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<tr>
<th>CRN</th>
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<th>Days</th>
<th>Time</th>
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<td>PC 108</td>
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</table>

### COS 181B  Hairsculpting II

**4 Units**

Prerequisite: COS 181A.

A continuation of the theory of professional haircutting techniques and procedures following COS 181A. Lectures, demonstrations and practical experience continue with advanced techniques applied in ladies and male haircutting. Part two of a two-part course. 40 lecture hours, 104 lab hours.

<table>
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<tr>
<th>CRN</th>
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<th>Days</th>
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### COS 182  Skincare

**4 Units**

Prerequisite: COS 140 or COS 141 or concurrent enrollment.

A continuation of the science and theory of professional skincare, make-up techniques and procedures introduced in Cosmetology 141. Lectures, demonstrations and practical experience continue with advanced techniques applied in ladies and male skincare. Part one of a two-part course. 40 lecture hours, 104 lab hours.

<table>
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<tr>
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<td>PC 109</td>
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### COS 199A - Esthetician I

- **Prequisite:** COS 199A.
- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement or if required by English level.
- **Course Description:** An introductory course of skin care treatments, hair removal, make-up application, anatomy and physiology. This course also includes massage techniques, sanitation and disinfecting, disease and disorders of the skin, cosmetic chemistry, electrical current and modalities for skin care. The course focuses on the basic skills required to achieve a State Board License. Phase one of a three-phase course. 72 lecture hours, 216 lab hours.

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</table>

### COS 199B - Esthetician II

- **Prequisite:** COS 199A.
- **Strongly recommended:** READ 099 if required by reading placement exam or if required by reading level.
- **Course Description:** This course is phase two of the esthetician program. A basic course which includes state board preparedness, customized facial treatments, the psychology of services, make-up artistry, color coordination, product knowledge and aromatherapy. Must be completed before entering phase three, "Salon Fundamentals". 72 lecture hours, 216 lab hours.

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<tr>
<th>CRN</th>
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### Counseling

- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement or if required by English level.
- **Course Description:** Through personal exploration, occupational research and the study of contemporary work issues, students will increase their understanding of the relationship of the individual to the economic community and develop individual career plans. 54 lecture hours, CSU

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<th>CRN</th>
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### COUN 145 - Career/Life Planning

- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement or if required by English level.
- **Course Description:** This course will assist students in identifying the unique strengths they possess that will lead toward achieving academic mastery, career, and life success. Students will learn how they learn best and utilize this information to build a personal success plan. Through an exploration and critical analysis of the components of a successful student, students will analyze their reasons for attending college and develop a "success plan" that addresses maintaining motivation, goals setting, improving communication, maintaining self-esteem, and detailing how they may overcome obstacles. 54 lecture hours.

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<th>CRN</th>
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### COUN 158 - Transfer Planning

- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement or if required by English level.
- **Course Description:** This course provides in-depth information and assistance with the transfer process to four-year colleges/universities. It is designed to enable students to actively participate in planning their educational and career goals by providing information about the process and requirements for transferring from a community college to a university. Lower division major and general education requirements, college/university selection, admission procedures, application deadlines, financial aid and scholarship information are covered. 18 lecture hours.

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<tr>
<th>CRN</th>
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<td>08:30 AM-09:35 AM</td>
<td>SS 211</td>
<td>08/23-10/19</td>
</tr>
</tbody>
</table>

### COUN 159 - On Course to Success

- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement or if required by English level.
- **Course Description:** This course will assist students in identifying the unique strengths they possess that will lead toward achieving academic mastery, career, and life success. Students will learn how they learn best and utilize this information to build a personal success plan. Through an exploration and critical analysis of the components of a successful student, students will analyze their reasons for attending college and develop a "success plan" that addresses maintaining motivation, goals setting, improving communication, maintaining self-esteem, and detailing how they may overcome obstacles. 54 lecture hours.

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<td>SS 211</td>
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### COUN 156 - College Planning Today for Tomorrow

- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement or if required by English level.
- **Course Description:** A course in helping students transition to college life. Students will receive practical information about college services, effective study habits, and individual educational planning. Emphasis is on college and career decisions as catalysts for growth. 18 lecture hours, CSU

<table>
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<tr>
<th>CRN</th>
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</table>

### COUN 160 - Strategies for College Success

- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement or if required by English level.
- **Course Description:** A course designed to give students the opportunity to create and change their habits and vision in order to have a rich, full, and rewarding scholastic life through adoption of positive attitude and critical thinking techniques. The course integrates the intellectual, physiological, social, and psychological aspects of being a college student. Learning strategies will be introduced that can be immediately and continuously applied so that students leave the course with confidence, enthusiasm, and a passion to succeed. 54 lecture hours.

<table>
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<tr>
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### COUN 161 - Higher Education Transitional Skills

- **for Student Veterans/Families
- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement exam or if required by English level.
- **Course Description:** A course designed to assist veterans in re-integrating to civilian life using physiological, social and psychological aspects of being a student. This course is also designed to give the veteran student the opportunity to create and change their habits and vision in order to have a rich, full, and rewarding scholastic life through adoption of positive attitude and critical thinking techniques. The course will introduce strategies to increase self-awareness, build confidence, develop leadership and gain informational tools to help achieve successful habits and implement study skills addressing the veteran student’s needs. It will provide an essential opportunity to acquire skills applicable to the student’s academic program, family life, and employability which will support transition. 54 lecture hours.

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<td>P3 105</td>
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</table>
DANC 103 Introduction to Dance 1 Units
An introduction to dance as an art form through lecture and activity. The student will experience historical and contemporary dance forms, such as ballet, modern jazz, hip hop, and tap. This is the pre-requisite course for all beginning level technique classes. 18 lecture hours, 36 lab hours. CSU UC

21752 Liskey, R. M 07:30 PM-08:20 PM VT 323 08/23-12/14
Liskey, R. M 08:30 PM-09:20 PM VT 323 08/23-12/14
Liskey, R. W 07:30 PM-08:35 PM VT 323 08/23-12/14

DANC 130 Alignment and Correctives 2 Units
A class for non-dancers and dancers seeking an introduction to the structural aspects that affect movement and gait. Lectures include biomechanical and neuromuscular aspects of the body. Practical hours include in-depth study of Pilates mat techniques and Gyro-kinesis. 36 lecture hours, 18 lab hours. CSU UC

20002 Vaughan, J. T 12:30 PM-01:20 PM VT 323 08/23-12/14
Vaughan, J. T 01:30 PM-02:20 PM VT 323 08/23-12/14
Vaughan, J. R 12:30 PM-01:35 PM VT 323 08/23-12/14

DANC 158 Beginning Hop-Hop Dance 1 Units
Techniques
Prerequisite: DANC 103 or Audition.
A survey of the basic skills of hip-hop dance technique and history. This class provides basic technique, warm-ups, stretching, body control and stamina progressing to hip-hop dance combinations. This class prepares students specifically for occupational dance performance techniques in the hip-hop commercial dance industry. 18 lecture hours, 36 lab hours. CSU UC

21233 Liskey, R. M 05:30 PM-06:20 PM VT 323 08/23-12/14
Liskey, R. M 06:30 PM-07:20 PM VT 323 08/23-12/14
Liskey, R. W 05:30 PM-06:35 PM VT 323 08/23-12/14

DANC 159 Beginning Tap 1 Units
Prerequisite: DANC 103 or Audition.
Designed to instruct students in the dance technique of beginning tap. 18 lecture hours, 18 lab hours. CSU UC

20112 Liskey, R. T 11:30 AM-12:20 PM VT 323 08/23-12/14
Liskey, R. R 11:30 AM-12:20 PM VT 323 08/23-12/14

DANC 160 Jazz Dance Techniques 1 Units
Prerequisite: DANC 103 or Audition.
A survey of the beginning level skills in jazz movement. This class provides basic technique and practice warm-ups, stretching, body control, and the building of stamina and strength progressing to dance combinations. 18 lecture hours, 36 lab hours. CSU UC

21234 Valverde, Y. F 09:00 AM-09:50 AM VT 323 08/23-12/14
Valverde, Y. F 10:00 AM-12:05 PM VT 323 08/23-12/14

DANC 162 Beginning Ballet 1 Units
Prerequisite: DANC 103 or Audition.
Designed to instruct students in the beginning level dance technique of classical ballet. Ballet barre, center floor and historical context of classical ballet are covered. 18 lecture hours, 36 lab hours. CSU UC

20008 Allgaier, J. T 05:30 PM-06:20 PM VT 323 08/23-12/14
Allgaier, J. T 06:30 PM-07:20 PM VT 323 08/23-12/14
Allgaier, J. R 05:30 PM-06:35 PM VT 323 08/23-12/14

DANC 258 Intermediate Hip-Hop Dance 1 Units
Prerequisite: DANC 158.
A survey of the intermediate level skills of hip-hop dance technique and history. This class provides intermediate level technique, warm-ups, stretching, body control and stamina progressing through hip-hop dance combinations. This class prepares students specifically for occupational dance performance techniques in the hip-hop commercial dance industry. 18 lecture hours, 36 lab hours. CSU UC

21763 Liskey, R. M 05:30 PM-06:20 PM VT 323 08/23-12/14

DANC 259 Intermediate Tap I 1 Units
Prerequisite: DANC 159 or Audition.
Designed to instruct students in the intermediate dance technique of tap. More study of the positions and combinations of tap. 18 lecture hours, 18 lab hours. CSU UC

22023 Liskey, R. T 11:30 AM-12:20 PM VT 323 08/23-12/14
Liskey, R. R 11:30 AM-12:20 PM VT 323 08/23-12/14

DANC 260 Intermediate Jazz Dance I 1 Units
Prerequisite: DANC 160 or Audition.
Development of the techniques necessary to execute modern jazz dance. This class is designed to further develop the techniques of the student with intermediate instruction in stretching, body control, strength, stamina, more challenging dance combinations and progression of personal style. 18 lecture hours, 36 lab hours. CSU UC

20723 Valverde, Y. F 09:00 AM-09:50 AM VT 323 08/23-12/14
Valverde, Y. F 10:00 AM-12:05 PM VT 323 08/23-12/14

DANC 262 Intermediate Ballet I 1 Units
Prerequisite: DANC 162 or Audition.
Designed to instruct students in the intermediate dance technique of classical ballet. A more in-depth study of the positions and combinations of ballet. 18 lecture hours, 36 lab hours. CSU UC

20129 Allgaier, J. T 05:30 PM-06:20 PM VT 323 08/23-12/14
Allgaier, J. T 06:30 PM-07:20 PM VT 323 08/23-12/14
Allgaier, J. R 05:30 PM-06:35 PM VT 323 08/23-12/14

DANC 264 Beginning Popular Dance 4 Units
Techniques
Prerequisite: Audition.
This course is an in-depth performance experience focusing on popular dance styles. The fundamentals of dance will be reviewed, and a focus on modern dance styles and techniques will be explored. Concepts of commercial dance techniques for videos and pop stage will also be studied. 36 lecture hours, 108 lab hours. CSU UC

21760 Liskey, R. M 11:30 AM-01:35 PM VT 323 08/23-12/14
Liskey, R. F 05:45 PM-08:50 PM VT 323 08/23-12/14
Liskey, R. S 08:20 AM-11:35 AM VT 323 08/23-12/14

AUDITION REQUIRED. This course does not have a waitlist.

21761 Allgaier, J. F 03:30 PM-05:35 PM VT 323 08/23-12/14
Allgaier, J. F 05:45 PM-09:00 PM PA 192 08/23-12/14
Allgaier, J. S 11:45 AM-02:50 PM VT 323 08/23-12/14

AUDITION REQUIRED. This course does not have a waitlist.

DANC 266 Pop Dance: Rehearsal and Performance - Beginning 2 Units
Prerequisite: Audition.
Special rehearsal and public performance above and beyond normal class expectations - beginning level. 18 lecture hours, 54 lab hours. CSU UC

21762 Vaughan, J. W 11:30 AM-12:20 PM VT 323 08/23-12/14
Vaughan, J. S 03:00 PM-07:00 PM VT 323 08/23-12/14

AUDITION REQUIRED. This course does not have a waitlist.

DANC 269 Intermediate Tap II 1 Units
Prerequisite: DANC 259 or Audition.
A more in-depth study of students' abilities and techniques in tap dance. Increased emphasis on style, speed and accuracy of sounds. 18 lecture hours, 18 lab hours. CSU UC

21764 Liskey, R. T 11:30 AM-12:20 PM VT 323 08/23-12/14
Liskey, R. R 11:30 AM-12:20 PM VT 323 08/23-12/14

DANC 270 Intermediate Jazz Dance II 1 Units
Prerequisite: DANC 260 or Audition.
Designed to instruct students in the advanced techniques of advanced jazz dance for the purpose of performance. More challenging dance combinations and instruction in individual body control, strength, stamina, style, and line. 18 lecture hours, 18 lab hours, 36 lab hours. CSU UC

20144 Valverde, Y. F 12:15 PM-01:05 PM VT 323 08/23-12/14
Valverde, Y. F 01:15 PM-03:20 PM VT 323 08/23-12/14

Register online at citruscollege.edu/ar WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626)
### DANC 272 Intermediate Ballet II
Prerequisite: DANC 262 or Audition.
A course in the advanced techniques of classical ballet for the purpose of performance. A more in-depth study of movement vocabulary centered on individual style, strength, and technique. 18 lecture hours, 36 lab hours. CSU UC

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### DANC 281 Advanced Jazz Dance I
Prerequisite: DANC 270 or Audition.
Designed to instruct students in the advanced techniques of jazz dance for the purpose of performance. More challenging dance combinations and instruction in individual body control, strength, stamina, style, and line. 18 lecture hours, 36 lab hours. CSU UC

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### DANC 284 Intermediate Popular Dance Techniques
Prerequisite: DANC 264 or Audition.
This course is an in-depth performance experience focusing on intermediate level popular dance styles. The fundamentals of dance will be reviewed, and a focus on modern dance styles and techniques will be explored. Concepts of commercial dance techniques for videos and pop stage will also be studied. 36 lecture hours, 126 lab hours. CSU UC

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</table>

### DANC 292 Advanced Ballet I
Prerequisite: DANC 272.
A course in the upper advanced techniques of classical ballet for the purpose of performance level technique and strength. An intense study of movement vocabulary centered on individual style, strength, and technique. 18 lecture hours, 36 lab hours. CSU UC

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### DANC 296 Pop Dance: Rehearsal and Performance-Intermediate
Prerequisite: DANC 265.
Special rehearsal and public performance above and beyond normal class expectations-intermediate level. 18 lecture hours, 54 lab hours. CSU UC

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### Dental Assisting

#### DENT 100 Dental Assisting Basics
2.5 units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course will give the beginning dental assisting student a foundational knowledge of basic terminology, structures of the oral cavity, tooth morphology, tissues of the teeth, charting, and oral health care. The student will be oriented to the profession of dentistry in terms of governing bodies, professional organizations, ethics and jurisprudence. 45 lecture hours.

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First Eight Weeks
Lecture section only. Lab section also required.

First Eight Weeks
Course does not have Waitlist.

First Eight Weeks
Course does not have Waitlist.

First Eight Weeks
Lab section only. Lecture section also required.

#### DENT 121 Preclinical Dental Science
2 units
Prerequisite: Completion of, or concurrent enrollment required in, DENT 100.
This course presents the basic physical and technical aspects of dental materials utilized in restorative, and laboratory dental procedures. It is designed to develop the manipulative skills necessary for the application of these materials. 36 lecture hours, 54 lab hours.

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First Eight Weeks
Lecture section only. Lab section also required.

First Eight Weeks
Course does not have Waitlist.

First Eight Weeks
Course does not have Waitlist.

First Eight Weeks
Lab section only. Lecture section also required.

First Eight Weeks
Course does not have Waitlist.

#### DENT 122 Infection Control in the Dental Office
1.5 units
Prerequisite: Completion of, or concurrent enrollment required in, DENT 100.
This course is designed to prepare the dental assistant in the prevention of disease transmission in the work environment. Emphasis is placed on knowledge of the infectious disease process, use of barriers, sterilization, disinfection, OSHA requirements, and the concept of standard precautions. 27 lecture hours.

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<tr>
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Second Eight Weeks.
Course does not have Waitlist.

Second Eight Weeks.
Course does not have Waitlist.

Second Eight Weeks.
Lab section only. Lecture section also required.

Second Eight Weeks.
Course does not have Waitlist.

#### DENT 124 Dental Specialties
2 units
Prerequisite: Completion of, or concurrent enrollment required in, DENT 100.
The scope of this course includes instruction in the fundamental principals, instrumentation and procedures of various dental specialties with emphasis on the role of the auxiliary in each specialty. 36 lecture hours.

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Second Eight Weeks.
Course does not have Waitlist.

Second Eight Weeks.
Course does not have Waitlist.

Second Eight Weeks.
Course does not have Waitlist.
### Schedule of Credit Classes - Fall 2013

**Note:** Course Dates indicate Beginning and Ending Dates

<table>
<thead>
<tr>
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### Drafting - Mechanical

#### DRAF 101 Beginning Computer Aided Design

- **Type:** CAD
- **Units:** 3
- **Description:**
  - Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
  - A basic course for pre-engineering, pre-architecture students, and other students who have no previous Computer Aided Design (CAD) and mechanical drawing experience.
  - 36 lecture hours, 72 lab hours.

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<th>CRN</th>
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</table>

#### DRAF 160 Intermediate Computer Aided Design

- **Type:** CAD
- **Units:** 2.5
- **Description:**
  - Strongly recommended: DRAF 101 or one year of high school drafting. Also, ENGL 099 or READ 099 if required by English placement exam or if required by English level.
  - An intermediate course in which the CAD system is applied to special problems in design. Techniques in creating symbol libraries are explored. Proper and efficient methods of producing plan views, sections, details and elevations are introduced along with dimensioning fundamentals and sheet layout.
  - 36 lecture hours, 36 lab hours.

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</table>

### Earth Science

#### ESCI 119 Physical Geology without Laboratory

- **Type:**
- **Units:** 3
- **Description:**
  - Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
  - This course investigates the dynamic nature of the Earth through the study of earth processes including: plate tectonics, earthquakes and the Earth’s interior, mineral and rock systems, crustal deformation, weathering processes, glaciers, and deserts.
  - Students may not receive credit for both ESCI 119 and ESCI 120.
  - 54 lecture hours.

<table>
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<td>21335</td>
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<td>LH 102</td>
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### Drafting - Com Gen Imagery CGI

#### DRAF 290 Introduction to Maya Practices

- **Type:**
- **Units:** 3
- **Description:**
  - Strongly Recommended: DRAF 160 or DRAF 161 or digital art classes.

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### Disabled Student Prog & Serv

#### DSPS 090 Empowerment for Students with Disabilities

- **Type:**
- **Units:** 2
- **Description:**
  - A course designed to facilitate successful transition to the collegiate level for new students with disabilities. Upon completion of this course, students will be better prepared to assert their needs, make decisions, and practice coping strategies pertinent to their unique situation.

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### First eight weeks

Register online at citruscollege.edu/ar

WingSpan Registration Help Desk (626) 914-8833

Admissions and Records office (626) 792-4750
ECON 101 Principles of Macroeconomics

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ECON 102 Principles of Microeconomics

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EMER 162 Principles of Emergency Management

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EMER 163 Terrorism and Emergency Management

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Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626) 914-8800
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LEARNING COMMUNITIES CLASS: Requires enrollment in ENGL 098 Lab CRN 21129.

DISTANCE EDUCATION CLASS - 1st 8 weeks session; must also enroll in 21532 English 101 for 2nd 8 weeks session.

Note: Course Dates indicate Beginning and Ending Dates

Register online at citruscollege.edu/ar WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626) 914-9000
ENGL 101 Reading and Composition 3 Units
Prerequisite: Placement is based on multiple assessment measures or completion of ENGL 099 or ESL 100 with min. grade of C.
A college-level composition course emphasizing exposition, analysis, argument, and research techniques. Extensive writing practice based upon reading selections of culturally diverse fiction, non-fiction and verse. 54 lecture hours.

CSU UC
20607 Ramos, C. MW 08:20 AM-09:45 AM IS 109 08/23-12/14
20609 Shearer, M. TR 08:20 AM-09:45 AM LI 120 08/23-12/14
20573 Rudd, R. MW 08:20 AM-09:45 AM LB 307 08/23-12/14
20602 Lee, B. TR 08:20 AM-09:45 AM ED 205 08/23-12/14
21543 Resto-OMeotelet, L. F 09:00 AM-12:10 PM LB 305 08/23-12/14
20613 Amaya-Anderson, B. F 09:00 AM-12:10 PM LB 108 08/23-12/14
21877 Kuroki, M. F 09:00 AM-12:10 PM P1 104 08/23-12/14
21544 Shearer, M. MW 09:55 AM-11:20 AM LS 120 08/23-12/14
20731 Birmingham, T. MW 09:55 AM-11:20 AM LI 120 08/23-12/14
21545 Shearer, M. TR 09:55 AM-11:20 AM LS 120 08/23-12/14
20611 Villeneuve, A. TR 09:55 AM-11:20 AM LB 308 08/23-12/14
20610 Curran, K. MW 11:30 AM-12:55 PM LB 304 08/23-12/14
20606 Leano, E. TR 11:30 AM-12:55 PM LB 203 08/23-12/14
20604 Dau, C. MW 01:05 PM-02:30 PM LB 305 08/23-12/14
20612 Eiland, T. MW 01:05 PM-02:30 PM LI 120 08/23-12/14

LEARNING COMMUNITIES CLASS: Requires enrollment in SOC 201 CRN 20365.
20621 Salwak, D. TR 01:05 PM-02:30 PM LB 203 08/23-12/14
20732 Kang, E. MW 03:50 PM-05:15 PM LB 106 08/23-12/14
20614 Myers, K. MW 03:50 PM-05:15 PM LB 203 08/23-12/14
20603 Robles, A. TR 03:50 PM-05:15 PM LB 307 08/23-12/14
21883 Leano, E. TR 03:50 PM-05:15 PM LB 309 08/23-12/14
20620 Overly, D. TR 03:50 PM-05:15 PM LB 304 08/23-12/14
21546 Kang, E. MW 05:25 PM-06:50 PM LB 305 08/23-12/14
20618 Robles, A. MW 05:25 PM-06:50 PM LB 307 08/23-12/14
21882 Joshua, S. MW 05:25 PM-06:50 PM LS 120 08/23-12/14
20700 Amaya-Anderson, B. TR 05:25 PM-06:50 PM LB 307 08/23-12/14
20577 Linville, B. MW 07:00 PM-08:25 PM LB 307 08/23-12/14
20615 Overly, D. M 07:00 PM-10:10 PM LB 304 08/23-12/14
20617 Hall, J. T 07:00 PM-10:10 PM LB 307 08/23-12/14
20619 Martinez, S. W 07:00 PM-10:10 PM IS 109 08/23-12/14
21350 Jonas, V. R 07:00 PM-10:10 PM LB 307 08/23-12/14
21547 Linville, B. MW 08:35 PM-09:50 PM LB 307 08/23-12/14
20601 Odegaard, E. MTWR 09:55 AM-11:20 AM P1 104 08/23-10/19
First Eight Weeks - Fast Track Class. Requires enrollment in ENGL 101 CRN 21355.
20609 Odegaard, E. MTWR 11:30 AM-12:55 PM LB 307 08/23-12/14
First Eight Weeks - Fast Track Class; Requires enrollment in ENGL 101 CRN 20622.
20608 Myrtleus, J. MTWR 01:05 PM-02:30 PM LS 120 08/23-12/14
First Eight Weeks - Fast Track Class; Requires enrollment in ENGL 103 CRN 21195.
20625 Eiland, T. HRS-ARRG 08/23-12/14
DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de.
21532 Eiland, T. HRS-ARRG 10/21-12/14
DISTANCE EDUCATION CLASS - 2nd 8 weeks session; must enroll in 21542 English 99 in 1st 8 weeks session.
21715 Hall, J. HRS-ARRG 08/23-12/14
DISTANCE EDUCATION CLASS. After registering log onto www.citruscollege.edu/de

ENGL 101H Reading and Composition - Honors 3 Units
Prerequisite: Placement is based on multiple assessment measures or successful completion of ENGL 099.
An advanced college level course emphasizing exposition, analysis, synthesis, argument, and research techniques. Extensive writing practice based upon reading culturally diverse short stories, novels and related critical material. In addition, students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of fiction and on non-fiction literary readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU UC
20683 Telesca, L. TR 11:30 AM-12:55 PM LB 304 08/23-12/14

ENGL 102 Introduction to Literature 3 Units

ENGL 103 Composition and Critical Thinking - Honors 3 Units
Prerequisite: ENGL 101. Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This honors course uses literature as a basis for the teaching of critical thinking and composition. The emphasis is upon the analysis of issues, problems, and situations represented in fiction, drama and poetry, and on the development of effective written arguments in support of the analysis. Meets the IGETC critical thinking requirement. 54 lecture hours. CSU UC
20556 Eisel, R. TR 08:20 AM-09:45 AM LB 308 08/23-12/14

ENGL 103H Composition and Critical Thinking - Honors 3 Units
Prerequisite: ENGL 101.
This honors course uses literature as a basis for the teaching of in-depth critical thinking and advanced composition. The emphasis is upon the analysis of issues, problems, and situations represented in literature and on the development of effective written arguments in support of the analysis. Critical thinking skills are demonstrated through research papers, in-class presentations, and collaborative exploration of material. Students are expected to demonstrate honors level work which includes strong critical thinking skills, thorough analysis of assigned readings, and presentation and leadership skills demonstrated through class participation. Meets the IGETC critical thinking requirement. 54 lecture hours. CSU UC
20684 Eiland, T. TR 11:30 AM-12:55 PM LI 120 08/23-12/14
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### English As A Second Language

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### ESL 202 Reading/Vocabulary II

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### ESL 030  English Language Skills III  3 Units

**Prerequisite:** ESL 020.  
Strongly recommended: For students enrolled in ESL Level 3 core courses.  
Placement is based on multiple assessment measures or successful completion of ESL Level 2 core courses—ESL 020, 024 and ESL 026.  
A course for intermediate ESL students providing additional practice in the four language skills—listening, speaking, reading and writing.  
Emphasis on vocabulary building, developing fluency in speaking, increasing written sentence complexity and developing reading skills.  
One of three core courses in ESL Level 3.  
54 lecture hours.  
9 lab hours.  

**Schedule:**  
**First Eight Weeks:** MTWR 01:05 PM-02:35 PM  
SS 168  
**From:** 10/21-11/21  
**CRN:** 21459

### ESL 034  Reading/Vocabulary III  2 Units

**Prerequisite:** Placement is based on multiple assessment measures or successful completion of ESL 024.  
A reading and vocabulary course for intermediate ESL students.  
The course is designed to help students further expand vocabulary and reading skills.  
Emphasis is on building vocabulary through oral and written practice and improving reading comprehension.  
One of three core courses in ESL Level 3.  

**Schedule:**  
**First Eight Weeks:** MTWR 09:55 AM-11:00 AM  
**From:** 08/23-10/14  
**CRN:** 20648

### ESL 036  Grammar Fundamentals III  2 Units

**Prerequisite:** Placement is based on multiple assessment measures or successful completion of ESL 026.  
A course for low-intermediate ESL students seeking to improve their grammatical accuracy in written English.  
Intensive review and practice of meaning and use of syntactic structures such as verb tense, modals, noun and adjective forms, questions and negatives, passive voice, adverbs, and articles.  
One of three core courses in ESL Level 3.  
36 lecture hours.  
9 lab hours.  

**Schedule:**  
**First Eight Weeks:** MTWR 09:55 AM-11:00 AM  
**From:** 08/23-10/14  
**CRN:** 20649

### ESL 040  English Language Skills IV  3 Units

**Prerequisite:** ESL 030 or placement in ESL Level 4 based on multiple assessment measures.  
Strongly recommended: For students enrolled in ESL Level 4 core courses.  
This course prepares high-intermediate ESL students for ESL 100.  
It includes grammar, vocabulary, usage, and the writing skills of sentence and paragraph development.  
It also previews essay development and writing.  
One of three core courses in ESL Level 4.  
54 lecture hours, 9 lab hours.  

**Schedule:**  
**First Eight Weeks:** MTWR 09:55 AM-11:00 AM  
**From:** 08/23-10/14  
**CRN:** 20655

### ESL 044  Reading Vocabulary IV  2 Units

**Prerequisite:** ESL 034 or placement in ESL Level 4 based on multiple assessment measures.  
A reading and vocabulary course for high intermediate ESL students, designed to facilitate appropriate strategies for improving reading comprehension and developing vocabulary.  
Emphasis is on college-level vocabulary and reading skills.  
One of three core courses in ESL Level 4.  

**Schedule:**  
**First Eight Weeks:** MTWR 09:55 AM-11:00 AM  
**From:** 08/23-10/14  
**CRN:** 20658

### ESL 046  Grammar Review I  2 Units

**Prerequisite:** Placement is based on multiple assessment measures or successful completion of ESL 036.  
Strongly recommended: For students enrolled in ESL Level 4 core courses.  
A course for high-intermediate ESL students seeking to improve their grammatical accuracy in writing and speaking.  
Intensive review and oral and written practice of syntactic structures such as verb tense, passive voice gerunds and infinitives, and modal verbs.  
One of three core courses in ESL level 4.  

**Schedule:**  
**First Eight Weeks:** MTWR 09:55 AM-11:00 AM  
**From:** 08/23-10/14  
**CRN:** 20663

### ESL 053  Bridge to College Literature  2 Units

**Prerequisite:** Placement is based on multiple assessment measures or successful completion of ESL 044.  
Strongly recommended: Concurrent enrollment in or successful completion of ESL 100.  
This vocabulary and reading course is designed to help ESL students develop the skills necessary for analyzing and writing about literature in English at the college level.  
36 lecture hours.  

**Schedule:**  
**First Eight Weeks:** MTWR 09:55 AM-11:00 AM  
**From:** 08/23-10/14  
**CRN:** 20661

### ESL 054  Bridge to College Reading  2 Units

**Prerequisite:** Placement is based on multiple assessment measures or successful completion of ESL 044.  
A reading and vocabulary course for advanced ESL students designed to improve their skills in the reading and analysis of academic text.  
Students will develop reading comprehension and study strategies in preparation for college-level coursework.  

**Schedule:**  
**First Eight Weeks:** MTWR 09:55 AM-11:00 AM  
**From:** 08/23-10/14  
**CRN:** 20678

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Register online at citruscollege.edu/ar  
WingSpan Registration Help Desk (626) 914-8833  
Admissions and Records office (626) 914-8833
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**ESL 056 Grammar Review II** 2 Units

Prerequisite: ESL 046. Strongly recommended: For students enrolled in ESL level 5 core courses. A course for advanced ESL students seeking to improve their grammatical accuracy in writing and speaking. Further review and practice of complex syntactic structures such as verb forms, tag questions, conditional statements, reported speech, modal and phrasal verbs, and subordinate clauses. This course is an introductory survey of Chicano/Latino people in the United States; examining race, ethnicity, gender and sexuality, social class, history, politics, institutional discrimination, culture, migration and globalization, literature, and the arts. 54 lecture hours. CSU UC

**ESL 100 Fundamentals of Composition** 4 Units

Prerequisite: ESL 040 or placement in ESL level 5 on the Accuplacer assessment test. This course parallels ENGL 100, preparing high-intermediate and advanced ESL students for college-level writing. It provides a review of English fundamentals and practice in critical thinking, paragraph development and essay writing with an emphasis on exposition. Continued practice in special writing problems common to second language learners. 72 lecture hours, 9 lab hours. UC

**ESL 101 Reading and Composition** 3 Units

Prerequisite: ESL 100 or placement in ESL Level 6 based on multiple assessment measures. A composition and reading course. Instruction and practice in expository writing and research techniques. The course content parallels ENGL 101, differing in that the reading is primarily non-fiction. 54 lecture hours. CSU UC

**ETHN 101 Introduction to Ethnic Studies** 3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. A course in elementary German grammar, vocabulary, and pronunciation which focuses on understanding, speaking, reading, and writing simple German and serves as an introduction to the geography, history, and culture of the German speaking world. 90 lecture hours. CSU UC

**ETHN 116 Introduction to Chicano/Latino Studies** 3 Units

This course is an introductory survey of Chicano/Latino people in the United States; examining race, ethnicity, gender and sexuality, social class, history, politics, institutional discrimination, culture, migration and globalization, literature, and the arts. 54 lecture hours. CSU UC

**FOR 101 Introduction to Forestry** 3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. Covers the relationship of forests to our national and local life. The various forest sciences and the uses of the forest including timber, water, recreation, grazing, and wildlife. The forest organizations: federal, state, county and private. 54 lecture hours. CSU UC

**FOR 104 Introduction to Outdoor Recreation** 3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. Covers the historic development of recreation and the role of the federal, state and local government in outdoor recreation. Other topics include economic impact, supply and demand, private enterprise, education, planning and management within the realm of recreation. 54 lecture hours. CSU UC

**FOR 105 Wildland Fire Management** 3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. A course designed to provide the knowledge of the factors affecting fire behavior, fire control techniques and wildland fire prevention. Factors of topography, fuels and weather will be included. 54 lecture hours. CSU UC

**GEOG 102 Cultural Geography** 3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. A study of the patterns of human occupation and land use over the earth's surface and their co-relation with the natural environment. Particular emphasis will be given to agricultural and industrial economics, settlement patterns and population studies. 54 lecture hours. CSU UC

**GEOG 118 Physical Geography** 3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. A survey of the basic elements of physical geography including maps, seasons, weather, climate, soils, natural vegetation, internal and external geologic processes, land forms, and their relationships and distribution across the face of the earth. 54 lecture hours. CSU UC

**German**

**GER 101 German I** 5 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. A course in elementary German grammar, vocabulary, and pronunciation which focuses on understanding, speaking, reading, and writing simple German and serves as an introduction to the geography, history, and culture of the German speaking world. 90 lecture hours. CSU UC

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Health Occupations

HEAL 100  Emergency Medical Services Career Preparation  3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

Health Occupations 100 is designed to provide the student with the knowledge and skills necessary to begin an entry-level career in Emergency Medical Services (EMS) and other allied health-related fields of patient care. This course provides beginning concepts of preparatory sciences directly related to the care of sick and injured persons. It also covers the basic knowledge and skills necessary for American Heart Association (AHA) cardiopulmonary resuscitation (CPR) certification. Successful completion of this course is required for enrollment into the Emergency Medical Technician Basic Program.

Material fee. 36 lecture hours, 54 lab hours.

20489  Rickman, T.  R  04:00 PM-05:50 PM  TC 230  08/23-12/14

20501  Hadsell, C.  FDS-ARRG  FD  08/23-12/14

DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de

Mandatory class meetings on the following Tuesdays: September 17, September 24, and November 19, 2013, at 6:00pm in LH 103.

Course does not have Waitlist.

HEAL 105  Hospital Unit Coordinator  5 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

Provides information, training, and experience needed to perform secretarial or clerical duties on a nursing unit in a hospital setting. Student will meet minimum requirements to successfully meet demands of managing the unit desk, phones, ordering of labs/tests/supplies, processing and transcription of physician orders, and the daily tasks of a hospital nursing unit. 72 lecture hours, 54 lab hours.

21455  Randolph, S.  MW  05:25 PM-07:30 PM  TC 228  08/23-12/14

HEAL 161  Emergency Medical Technician - Basic  7 Units

The entry-level course in emergency training for those involved in Emergency Medical Services. 108 lecture hours, 54 lab hours.

20638  Hadsell, C.  F  08:00 AM-02:25 PM  TC 230  08/23-12/14

Lecture section only. Lab section also required.

Four hours in-service at a local community emergency department/ambulance service per week.

This course is approved by the Los Angeles Department of Health Services.

Students who successfully complete this course are eligible to sit for the National Registry EMT Certification examination.

Prerequisite: HEAL 100 or concurrent enrollment.

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

The course is a survey of emerging regional cultures and societies from the earliest civilizations to 1500. Consideration will be given to comparative and integrative analysis of their contributions to the fabric of world civilization. Particular focus will be given to cultural evolutionary parallels and the diffusion of ideas through migration and trade on a global scale. College level reading is strongly advised. 54 lecture hours. CSU UC

20168  Lubisich, S.  MW  08:20 AM-09:45 AM  LB 303  08/23-12/14

20171  Lewis, D.  TR  01:05 PM-02:30 PM  LB 104  08/23-12/14

20176  Lewis, D.  T  07:00 PM-10:10 PM  LB 303  08/23-12/14

20175  Lubisich, S.  HRS-ARRG  FD  08/23-12/14

DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de

Mandatory on-campus orientation Tuesday, August 27, 2013, from 5:00 - 6:30 p.m. in CI 119.

20671  Lubisich, S.  HRS-ARRG  08/23-10/19

DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de

First Eight Weeks

Mandatory on-campus orientation Tuesday, August 27, 2013, from 5:00 - 6:30 p.m. in CI 119.

HIST 103H  History of World Civilization up to 1500 C.E./Honors  3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

The course is a survey of emerging regional cultures and societies from the earliest civilizations to 1500. Consideration will be given to comparative and integrative analysis of their contributions to the fabric of world civilization. Particular focus will be given to cultural evolutionary parallels and the diffusion of ideas through migration and trade on a global scale. Students are expected to work and participate at an honors level which includes strong critical thinking skills, thorough analysis of historical readings, presentation and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours. CSU UC

21148  Lubisich, S.  MW  11:30 AM-12:55 PM  P3 100  08/23-12/14
Schedule of Credit Classes - Fall 2013

Note: Course Dates indicate Beginning and Ending Dates  
M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=

CRN  Instructor              Days   Time                       Room    D

HIST 104  History of World Civilization since 1500  3 Units

20202 Logan, S. MW 08:20 AM-09:45 AM LB 104 08/23-12/14
20204 Logan, S. TR 08:20 AM-09:45 AM LB 103 08/23-12/14
20220 Woolsey, R. M 03:40 PM-06:50 PM LB 303 08/23-12/14
20215 Amaya, H. T 07:00 PM-10:10 PM LB 104 08/23-12/14
20224 Page, R. W 07:00 PM-10:10 PM PE 140 08/23-12/14
20889 Kom, D. R 03:40 PM-06:50 PM TE 153 08/23-12/14
20231 Solheim, B. HRS-ARRG 08/23-12/14

HIST 107  History of the United States before 1877  3 Units

20100 Solheim, B. MW 11:30 AM-12:55 PM LB 302 08/23-12/14
20118 Waddington, B. MW 01:05 PM-02:30 PM P3 100 08/23-12/14

HIST 108  History of the United States since 1877  3 Units

20239 Solheim, B. MW 08:20 AM-09:45 AM LB 302 08/23-12/14
20255 Zeman, W. MW 11:30 AM-12:55 PM LB 104 08/23-12/14
20252 Zeman, W. MW 01:05 PM-02:30 PM LB 105 08/23-12/14
20244 Solheim, B. TR 09:55 AM-11:20 AM LB 301 08/23-12/14
20247 Solheim, B. TR 11:30 AM-12:55 PM LB 303 08/23-12/14
20266 Waddington, B. TR 11:30 AM-12:55 PM LB 306 08/23-12/14
20250 Lewis, D. TR 03:50 PM-05:15 PM LB 104 08/23-12/14
20261 Woolsey, R. W 03:40 PM-06:50 PM LB 310 08/23-12/14
20263 Woolsey, R. W 07:00 PM-10:10 PM LH 103 08/23-12/14
20245 Solheim, B. HRS-ARRG 08/23-12/14

HIST 109  The World in conflict - The 20th Century, a History  3 Units

20216 Waddington, B. HRS-ARRG 08/23-12/14

HIST 130  Latin American Culture and Civilization  3 Units

20231 Solheim, B. HRS-ARRG 08/23-12/14

HIST 131  History of Latin American to 1825  3 Units

20216 Waddington, B. HRS-ARRG 08/23-12/14

HIST 139  History of California  3 Units

20216 Waddington, B. HRS-ARRG 08/23-12/14

HIST 155  History of the Vietnam War  3 Units

20100 Solheim, B. MW 11:30 AM-12:55 PM LB 302 08/23-12/14

HIST 222  History of World War II  3 Units

20284 Nelson, S. W 07:00 PM-10:10 PM MA 206 08/23-12/14

Humanities

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**Information Technology**

**IT 104  PC Hardware and Maintenance**  4 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

This course will be of interest to computer technicians, field services and help desk support personnel, as well as, individuals interested in enhancing their technical skills and knowledge of the PC system. The course starts from the basic entry level concepts, and quickly progresses into discussing advanced topics related to the IT industry. It will lay the foundation for attendees to prepare the A+ certification tests. 54 lecture hours, 54 lab hours.

20960 Stoner, B. MW 08:00 AM-09:25 AM PC 316 08/23-12/14

21218 Stoner, B. MW 09:35 AM-11:00 AM PC 316 08/23-12/14

**IT 105  Network Technology**  4 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

This course provides information covering the LAN and WAN. Network topologies and protocols are presented. 54 lecture hours, 54 lab hours.

20961 Stoner, B. MW 12:30 PM-01:55 PM PC 316 08/23-12/14

20962 Boyden, P. MW 02:05 PM-03:30 PM PC 316 08/23-12/14

**IT 106  Networking Operating Systems**  4 Units

Strongly recommended: IT 107.

This course provides information covering the areas of network operating systems used on local and wide area networks (LANS and WANS), as well as popular server software. 54 lecture hours, 54 lab hours.

20963 Stoner, B. TR 08:00 AM-09:25 AM PC 316 08/23-12/14

**IT 107  Network and Computer Security**  4 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

Covers basics of general security concepts, network security, communication security, infrastructure security. Business continuity, disaster recovery, planning and prevention will be covered. This course will lay the foundation for attendees to complete the Comp TIA Security+ certification tests. 54 lecture hours, 54 lab hours.

21630 Buchwald, L. TR 06:00 PM-07:25 PM PC 316 08/23-12/14

21631 Buchwald, L. TR 07:35 PM-09:00 PM PC 316 08/23-12/14

**Kinesiology - Activities**

**KIN 101  Badminton**  1 Units

Development of skills necessary to participate in a game of badminton. Course will improve skills through repetition and supervised instruction. 18 lecture hours, 18 lab hours. CSU UC

12032 Bosley, J. T 08:30 AM-09:35 AM PE 102 08/23-11/27

Bosley, J. R 08:30 AM-09:35 AM PE 102 08/23-11/27

**KIN 102  Tennis**  1 Units

Instruction will be concerned with individual growth of fundamentals and techniques of tennis that will allow the student to participate in a lifetime activity. 18 lecture hours, 18 lab hours. CSU UC

12033 Bosley, J. R 08:30 AM-09:35 AM PE 102 08/23-11/27

12034 Bosley, J. R 09:45 AM-10:55 AM PE 102 08/23-11/27

**KIN 107  Golf**  1 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.

This course will offer a non-competitive environment in which the student can develop the basic fundamentals of golf. Instruction will emphasize woods, long and short irons, bunker play, putting, golf terminology, rules and etiquette. 18 lecture hours, 18 lab hours. CSU UC

21032 Boxley, J. M 10:00 AM-11:05 AM PE GI 08/23-10/11

**KIN 108  Yoga**  1 Units

This course focuses on the development of the body/mind through the use of specific Yoga postures, breathing techniques, stretches, mental exercises, and relaxation exercises. The goals are to instruct students to achieve greater concentration, self-discipline, and improved physical/emotional health through instruction and practice of these skills. 18 lecture hours, 18 lab hours. CSU UC

21577 Shaw, N. TR 07:00 AM-08:10 AM AP 110 10/21-12/06

Late Start Class.

**KIN 120  Basketball**  1 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.

Techniques in basketball such as ball handling, passing, receiving, screening, cutting, shooting, team play and strategy of the game. Rules are included. This course may be taken four times with the objective of improving proficiency in previously learned skills by further repetition and supervised instruction. 18 lecture hours, 18 lab hours. CSU UC

21233 Dinneen, G. F 08:30 AM-09:35 AM PE 102 08/23-11/27

Dinneen, G. F 09:45 AM-10:55 AM PE 102 08/23-11/27

21688 Dinneen, G. M 08:30 AM-09:35 AM PE 102 08/26-11/27

Dinneen, G. W 08:20 AM-09:25 AM PE 102 08/26-11/27

**Japanese**

**JPN 101  Japanese I**  5 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

A course in elementary Japanese grammar, vocabulary, and pronunciation which aims at understanding, speaking, reading, and writing simple Japanese and serves as an introduction to Japanese geography and culture. 90 lecture hours. CSU UC

21498 Jennings, S. MW 03:50 PM-06:20 PM ED 205 08/23-12/14

20741 Jennings, S. MW 06:30 PM-09:00 PM ED 205 08/23-12/14

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### Kinesiology - Aquatics

**KIN 142  Swimming - Beginning**  
1 Units

- **Instructor:** Gunstream, M.  
- **CRN:** 21067  
- **Days:** M  
- **Time:** 06:25 PM-07:35 PM  
- **Room:** PE 102  
- **Dates:** 08/23-11/27

Recommended for disabled students. This course provides basic instruction and practice in the fundamental elements of swimming including beginning diving and water safety instruction. The class is designed to develop efficiency in the basic swim strokes. 18 lecture hours, 18 lab hours. CSU UC

### Kinesiology - Fitness

**KIN 148  Adapted Aquatic Exercises**  
1 Units

- **Instructor:** Gunstream, M.  
- **CRN:** 21846  
- **Days:** MW  
- **Time:** 11:30 AM-12:40 PM  
- **Room:** FH 224  
- **Dates:** 08/23-12/14

Prerequisite: Physician's written diagnosis of physical disability and exercise limitations. Designed for the student with a physical disability who is unable to participate in regular physical education classes. A medical doctor's written prescription of exercise limitations is required. This course may be taken unlimited times with instructor's permission. 18 lecture hours, 18 lab hours. CSU UC

### Kinesiology - Pro Prep

**KIN 169  Introduction to Coaching**  
3 Units

- **Instructor:** Merandi, M.  
- **CRN:** 21643  
- **Days:** M  
- **Time:** 10:35 AM-11:45 AM  
- **Room:** PE 101  
- **Dates:** 08/26-11/27

This course is to study the different aspects of coaching including philosophies and techniques. It will provide the student with a basic understanding of coaching on all levels. The topics included will be recruiting, tryouts, pre and post-season development, conditioning, weight training, practice organization, game strategies, motivation techniques, legal aspects, public relations, media, fundraising and ethics. 54 lecture hours. CSU UC

**KIN 170  Fitness for Life**  
3 Units

- **Instructor:** Merandi, M.  
- **CRN:** 21339  
- **Days:** R  
- **Time:** 08:30 AM-09:35 AM  
- **Room:** PE 101  
- **Dates:** 08/26-11/27

This course will offer a non-competitive, environment in which the student can develop a total fitness program. This program will promote areas of muscular strength, flexibility, and cardiovascular endurance. A philosophy of "Fitness for Life" will be the ultimate objective. Every student will be encouraged to regulate his/her program so that it will be enjoyable on a long term basis. 18 lecture hours, 18 lab hours. CSU UC
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### Kinesiology-Comp Athletics

**KINC 107 Physical Conditioning for Varsity Softball**

- **Credit:** 1 Units
- **Prerequisite:** Must be a varsity college athlete/varsity college prospect or with coaches permission.
- **Course Description:** This course is designed to provide a physical conditioning program for the student interested in intercollegiate softball. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 54 lab hours. CSU UC
- **Recommended for student athletes:** Softball
- **Term:** Short term 11 week course.
- **Note:** Course does not have Waitlist.

**KINC 108 Physical Conditioning for Varsity Baseball**

- **Credit:** 1 Units
- **Prerequisite:** Must be a varsity college athlete/varsity college prospect or with coaches permission.
- **Course Description:** This course is designed to provide a physical conditioning program for the student interested in intercollegiate baseball. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 54 lab hours. CSU UC
- **Recommended for student athletes:** Baseball
- **Term:** Short term 11 week course.
- **Note:** Course does not have Waitlist.

**KINC 109 Physical Conditioning for Varsity Swimming**

- **Credit:** 1 Units
- **Prerequisite:** Must be a varsity college athlete/varsity college prospect or with coaches permission.
- **Course Description:** This course is designed to provide a physical conditioning program for the student interested in intercollegiate swimming. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. This course may be taken four times. 54 lab hours. CSU UC
- **Recommended for student athletes:** Women's Swim
- **Term:** Short term 11 week course.
- **Note:** Course does not have Waitlist.

**KINC 145 Strength Training, Balance and Agility for Varsity Athletes**

- **Credit:** .5 Units
- **Prerequisite:** Must be a varsity college athlete/varsity college prospect or with coaches permission.
- **Course Description:** This course is designed to introduce student-athletes to proprioceptive training. Proprioceptive training can improve balance, core strength, quickness, and agility and reduce the risk of injury. This type of training can benefit all movements performed in our daily life, not just those dealing with sports or athletic movements. This course may be taken four times. 27 lab hours. CSU UC
- **Recommended for student athletes:** Women's Basketball
- **Term:** Short term 4 week course.
- **Note:** Course does not have Waitlist.

**KINC 177 First-Aid Responding To Emergencies**

- **Credit:** 3 Units
- **Course Description:** This course may be taken four times. 54 lab hours. CSU UC
- **Recommended for student athletes:** Men's Basketball
- **Term:** Short term 4 week course.
- **Note:** Course is not have Waitlist.
<table>
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<tr>
<th>CRN</th>
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<th>Days</th>
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</thead>
</table>
| KINC 209 | Women's Varsity Soccer | 2 Units | Strongly recommended: Advanced soccer skills to participate in a competitive collegiate experience.  
Intercollegiate competition in women's soccer. This course may be taken four times.  160 lab hours. CU UC  
21612 Tracey, T.  MTWRF  03:15 PM-05:50 PM PE ST  08/23-12/14  
Recommended for student athletes: Women's Soccer.  
Course does not have Waitlist. | | |
| KINC 211 | Women's Varsity Volleyball | 2 Units | Strongly recommended: Advanced volleyball skills to participate in a competitive collegiate experience.  
Intercollegiate competition in women's varsity volleyball. This course may be taken four times.  160 lab hours. CU UC  
21615 Jung, S.  MTWRF  04:00 PM-05:50 PM PE 102  08/23-12/14  
Recommended for student athletes: Women's Volleyball  
Course does not have Waitlist. | | |
| KINC 213 | Women's Varsity Basketball | 2 Units | Strongly recommended: Advanced basketball skills to participate in a competitive collegiate experience.  
Intercollegiate competition in women's varsity basketball. This course may be taken four times.  160 lab hours. CU UC  
21616 McDonald, T.  MTWRF  11:30 AM-02:00 PM PE 102  09/23-12/14  
Recommended for student athletes: Women's Varsity Basketball  
Short term 12 week course.  
Course does not have Waitlist. | | |
| KINC 216 | Varsity Cross Country | 2 Units | Strongly recommended: Advanced cross country skills to participate in a competitive collegiate experience. Must be a collegiate varsity athlete/varsity college prospective athlete or with coach's permission.  
Intercollegiate competition in varsity cross country. This course may be taken four times.  160 lab hours. CU UC  
21618 Longyear, A.  MTWRF  07:00 AM-08:50 AM PE ST  08/23-12/14  
Recommended for student athletes: Men's & Women's Cross Country  
Course does not have Waitlist. | | |
| KINC 220 | Men's Varsity Football | 2 Units | Strongly recommended: Advanced football skills to participate in a competitive collegiate experience.  
Intercollegiate competition in men's varsity football. This course may be taken four times.  160 lab hours. CU UC  
21619 Ponciano, R.  MTWRF  03:15 PM-05:05 PM PE FP  08/23-12/14  
Recommended for student athletes: Football  
Course does not have Waitlist. | | |
| KINC 221 | Men's Varsity Basketball | 2 Units | Strongly recommended: Advanced basketball skills to participate in a competitive collegiate experience.  
Varsity athletics. Involves intercollegiate competition for two units of credit. This course may be taken four times.  160 lab hours. CU UC  
21620 Victor, C.  MTWRF  01:30 PM-04:00 PM PE 102  09/23-12/14  
Recommended for student athletes: Men's Basketball  
Short term 12 week course.  
Course does not have Waitlist. | | |
| KINC 227 | Women's Varsity Golf | 2 Units | Strongly recommended: Advanced golf skills to participate in a competitive collegiate experience.  
Intercollegiate competition in women's varsity golf. This course may be taken four times.  160 lab hours. CU UC  
21621 Horton, J.  MWF  03:30 PM-06:35 PM PE GI  08/23-12/14  
Recommended for student athletes: Women's Golf  
Course does not have Waitlist. | | |
| KINC 229 | Men's Varsity Water Polo | 2 Units | Strongly recommended: Advanced swimming skills to participate in a competitive collegiate experience.  
Intercollegiate competition in men's varsity water polo. This course may be taken four times.  160 lab hours. CU UC  
21622 Clements, K.  MTWRF  04:00 PM-05:50 PM POOL  08/23-12/14  
Recommended for student athletes: Men's Water Polo  
Course does not have Waitlist. | | |
| KINC 230 | Women's Varsity Water Polo | 2 Units | Strongly recommended: Advanced swimming skills to participate in a competitive collegiate experience.  
Intercollegiate competition in women's varsity water polo. This course may be taken four times.  160 lab hours. CU UC  
21600 Silva, A.  MTWRF  01:30 PM-03:20 PM POOL  08/23-12/14  
Recommended for student athletes: Women's Water Polo  
Course does not have Waitlist. | | |
| KINC 231 | Men's Varsity Soccer | 2 Units | Strongly recommended: Advanced soccer skills to participate in a competitive collegiate experience.  
Intercollegiate competition in men's varsity soccer. This course may be taken four times.  160 lab hours. CU UC  
21623 Bruce-Oliver, F.  MTWRF  05:15 PM-07:05 PM PE ST  08/23-12/14  
Recommended for student athletes: Men's Soccer  
Course does not have Waitlist. | | |
| LEAD 103 | Foundations of Leadership | 3 Units | Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
A survey of the foundational theories and applications of leadership. Leadership is examined from the individual to its applications in the team and organizational settings. Emphasis is placed on the development of the student as a leader.  
This course is required either as a corequisite or prerequisite to holding a leadership position in the campus' student government association. 54 lecture hours. CU UC  
21170 Thompson, A.  TR  06:00 PM-09:10 PM LB 104  08/23-12/14  
Course does not have Waitlist. | | |
| MATH 020 | Arithmetic Fundamentals | 1 Units | Strongly recommended: ENGL 099 or READ 099 if required by English level.  
The four basic operations of arithmetic on whole numbers, fractions, and decimals, with applications. Ratios, proportions, and percents with applications.  
This course will be offered on a Pass/No Pass basis only.  54 lab hours.  
21850 Vardanian, A.  MTWRF  02:00 PM-05:00 PM POOL  08/23-12/14  
Recommended for student athletes: Math  
Course does not have Waitlist. | | |
### MATH 029 Pre-Algebra

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<tr>
<th>CRN</th>
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<th>Days</th>
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</thead>
<tbody>
<tr>
<td>21562</td>
<td>Low, J.</td>
<td>MTWR</td>
<td>08:00 AM-09:10 AM</td>
<td>MA 230</td>
<td>08/23-11/28</td>
</tr>
<tr>
<td>20641</td>
<td>Dominguez, V.</td>
<td>MTWR</td>
<td>08:00 AM-09:10 AM</td>
<td>MA 223</td>
<td>08/23-11/28</td>
</tr>
</tbody>
</table>

**LEARNING COMMUNITIES CLASS:** Requires enrollment in SOC 201 CRN 20387.

- **Prerequisite:** Placement is based on multiple assessment measures or successful completion of MATH 020.
- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement or if required by English level.
- This course is designed to prepare a student for Elementary Algebra. Topics include a review of arithmetic, a study of signed numbers, an introduction to fundamental algebraic concepts, solving equations, and solving applied problems. 72 lecture hours.
- **NOTE:** THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION.

### MATH 030 Elementary Algebra

<table>
<thead>
<tr>
<th>CRN</th>
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</thead>
<tbody>
<tr>
<td>21541</td>
<td>Gonzalez, R.</td>
<td>MTWR</td>
<td>01:05 PM-03:15 PM</td>
<td>MA 223</td>
<td>08/23-10/19</td>
</tr>
</tbody>
</table>

**LEARNING COMMUNITIES CLASS:** Requires enrollment in MATH 030 CRN 21581 and ENGL 099 CRN 21142.

- **Prerequisite:** Placement is based on multiple assessment measures or successful completion of MATH 029 with min. grade of C.
- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement or if required by English level.
- Fundamental operations with polynomials and rational expressions, products and factoring, linear and quadratic equations in one variable, inequalities, exponents, radicals, graphing linear equations, systems of equations, applications and introduction to functions. 90 lecture hours.

### MATH 131 Plane Geometry

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<tr>
<th>CRN</th>
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<tbody>
<tr>
<td>21429</td>
<td>Pearse, S.</td>
<td>TR</td>
<td>07:40 PM-10:10 PM</td>
<td>MA 108</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

**Prerequisite:** MATH 030 or placement based on multiple assessment measures.

- A first course in geometry. Elementary logic, properties of geometric figures, parallel and perpendicular lines, ratio and proportion, congruence, area, and volume. 72 lecture hours.

### MATH 150 Intermediate Algebra

<table>
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<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<tbody>
<tr>
<td>21593</td>
<td>Gutiérrez, J.</td>
<td>MTWR</td>
<td>08:20 AM-10:55 AM</td>
<td>MA 206</td>
<td>10/21-12/14</td>
</tr>
</tbody>
</table>

**Prerequisite:** MATH 030 or placement based on multiple assessment measures.

- Real number properties, first degree equations and inequalities, absolute value equations and inequalities, formulas, applications, exponents, polynomials, the binomial theorem, factoring, linear systems, functions, rational expressions, radicals, complex numbers, quadratic equations, conics, inverse functions, and exponential and logarithmic functions. 90 lecture hours.
- **NOTE:** THIS COURSE MAY NOT BE TAKEN CONCURRENTLY WITH EITHER MATH 148 or 149.
- **STUDENTS MAY NOT EARN MORE THAN A TOTAL OF FIVE UNITS IN ANY COMBINATION OF MATH 148, 149 AND 150.**

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626) 914-8833

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<table>
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<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
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</thead>
<tbody>
<tr>
<td>21601</td>
<td>Jahani, F.</td>
<td>TR</td>
<td>07:00 AM-09:05 AM</td>
<td>PC 303</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td>20495</td>
<td>Paek, H.</td>
<td>TR</td>
<td>01:05 PM-03:10 PM</td>
<td>MA 125</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

### MATH 165 Introductory Statistics

Prerequisite: MATH 149 or MATH 150 or placement is based on multiple assessment measures. Introductory course to statistics and probability, descriptive analysis, and presentation of data, hypothesis testing, statistical inference, normal curve, chi square, and applications in diverse disciplines. 72 lecture hours. CSU UC

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<th>CRN</th>
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<th>Days</th>
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<tbody>
<tr>
<td>21255</td>
<td>Gonzalez, R.</td>
<td>MTWR</td>
<td>01:05 PM-03:10 PM</td>
<td>MA 223</td>
<td>10/21-12/14</td>
</tr>
</tbody>
</table>

### MATH 168 Mathematics for Elementary Teachers I

Prerequisite: MATH 150 or placement is based on multiple assessment measures. Course is designed for prospective elementary teachers. The course covers sets, logic, number systems, number theory and algebra functions. Techniques in instructional delivery explored. 72 lecture hours. CSU UC

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<tr>
<th>CRN</th>
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<tbody>
<tr>
<td>21603</td>
<td>Gong, C.</td>
<td>TR</td>
<td>01:30 PM-03:35 PM</td>
<td>MA 126</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

### MATH 170 College Algebra

Prerequisite: MATH 149 or MATH 150 or placement is based on multiple assessment measures. Polynomial, rational, exponential, and logarithmic functions; matrices and determinants; theory of equations; analytic geometry, and mathematical induction. 72 lecture hours, CSU UC

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<tr>
<th>CRN</th>
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</thead>
<tbody>
<tr>
<td>20528</td>
<td>Chun, M.</td>
<td>TR</td>
<td>09:55 AM-12:00 PM</td>
<td>LB 105</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td>20526</td>
<td>Leung, S.</td>
<td>TR</td>
<td>06:30 PM-08:35 PM</td>
<td>MA 124</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td>20564</td>
<td>Tippins, R.</td>
<td>HRS-ARRG</td>
<td>08/23-12/14</td>
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</tr>
</tbody>
</table>

### MATH 175 Pre-Calculus

4 Units

### MATH 190 Calculus with Analytic Geometry I

Prerequisite: MATH 151 or placement is based on multiple assessment measures. Preparation for calculus; polynomial, rational, exponential, logarithmic, and trigonometric functions; analytic geometry; mathematical induction. 72 lecture hours. CSU UC

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<tbody>
<tr>
<td>21631</td>
<td>Anderson, B.</td>
<td>TR</td>
<td>01:05 PM-03:10 PM</td>
<td>MA 207</td>
<td>08/23-12/14</td>
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<tr>
<td>20547</td>
<td>Pearsall, S.</td>
<td>TR</td>
<td>05:25 PM-07:30 PM</td>
<td>MA 108</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td>20535</td>
<td>Tippins, R.</td>
<td>TR</td>
<td>01:05 PM-03:10 PM</td>
<td>MA 230</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

### MATH 191 Calculus with Analytic Geometry II

Prerequisite: MATH 190. Continuation of integral calculus with applications; techniques of integration; sequences and series; analytic geometry; plane curves; parametric equations; and polar coordinates. 72 lecture hours. CSU UC

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<th>CRN</th>
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<th>Days</th>
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<th>Room</th>
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<tbody>
<tr>
<td>20545</td>
<td>Anderson, B.</td>
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<td>01:05 PM-03:10 PM</td>
<td>MA 124</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td>20534</td>
<td>Stevenson, M.</td>
<td>TR</td>
<td>07:45 AM-09:50 AM</td>
<td>MA 227</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

### MATH 201 Calculus with Analytic Geometry III

Prerequisite: MATH 191. Vectors, calculus of functions of more than one variable, partial derivatives, multiple integration, vector calculus, Green's Theorem, Stokes' Theorem, and divergence theorem. 72 lecture hours. CSU UC

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<tr>
<th>CRN</th>
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<tbody>
<tr>
<td>20580</td>
<td>Gonzalez, R.</td>
<td>TR</td>
<td>07:45 AM-09:50 AM</td>
<td>MA 227</td>
<td>08/23-12/14</td>
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</tbody>
</table>

### MATH 212 Introduction to Linear Algebra

Prerequisite: MATH 191. An introduction to linear algebra that complements coursework in calculus. Topics include systems of linear equations, matrix operations, determinants, vectors and vector spaces, eigenvalues and eigenvectors and linear transformations. 72 lecture hours. CSU UC

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</thead>
<tbody>
<tr>
<td>20736</td>
<td>Gutierrez, J.</td>
<td>TR</td>
<td>03:45 PM-05:50 PM</td>
<td>MA 109</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

### MTRK 152 Medium and Heavy Truck Drivetrain Service, Diagnosis and Repair

5 Units

Prerequisite: AUTO 101. Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. Also, MATH 029 or higher level. Intended for those seeking a career in the medium and heavy truck services and repair industry. This course focuses on the service, diagnosis and repair of the manual and automatic automotive drivetrain systems. Appropriate lab activities in automobile drivetrain inspection, service and repair are included. The course prepares students for the ASE Automatic Transmission (H3, S3) and Manual Drivetrain (T3) certification exams. 54 lecture hours, 126 lab hours. CSU

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<tbody>
<tr>
<td>20326</td>
<td>Gonzalez, J.</td>
<td>TR</td>
<td>09:35 AM-11:00 AM</td>
<td>DT 104</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

### Music - Commercial

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626) 914-8833
MUSC 104  Pop, Rock, and Jazz Performance 4 Units

Styles I

Prerequisite: Audition. Successful completion of MUSE 070 or MUSE 090 will support audition success. Introductory study and performance of contemporary Pop, Rock, and Jazz styles. This course will focus on the various fusions of these diverse styles - including appropriate rehearsal and performance techniques. 36 lecture hours, 126 lab hours arranged. CSU

21768 Mixon, V. T 08:10 AM-09:15 AM PA 192 08/23-12/14
Mixon, V. R 08:10 AM-09:00 AM PA 192 08/23-12/14

AUDITION REQUIRED. This course does not have waitlist. + 126 TOTAL ARRG

MUSC 106  Citrus College Show Choir I 4 Units

Prerequisite: Audition. Successful completion of MUSE 070 or MUSE 090 will support audition success. This class is an introduction to "Show Choir". This class includes singing, dance and movement for vocalists and rhythm sections/horn accompaniment. Public performance is required. 36 lecture hours, 108 lab hours arranged. CSU UC

21771 Munoz, G. M 09:55 AM-11:00 AM PA 154 08/23-12/14
Munoz, G. W 09:55 AM-10:45 AM PA 154 08/23-12/14

AUDITION REQUIRED. Register for an ensemble for which you would like to be considered. Visit www.citrusarts.org/music/assessments.html for detailed audition information. This course does not have waitlist. + 108 HRS ARRG

MUSC 120  Studio Laboratory Band I 4 Units

Prerequisite: Audition. Successful completion of MUSE 070 or MUSE 090 will support audition success. Exploration and performance of beginning (Grade 2) large studio ensemble literature. Topics include the performance of various contemporary styles, section playing, and solo preparation in the studio ensemble setting. 54 lecture hours, 54 lab hours arranged. CSU UC

21773 Munoz, G. T 11:30 AM-12:35 PM SB 100 08/23-12/14
Munoz, G. R 11:30 AM-12:20 PM SB 100 08/23-12/14

AUDITION REQUIRED. Register for an ensemble for which you would like to be considered. Visit www.citrusarts.org/music/assessments.html for detailed audition information. This course does not have waitlist. + 108 HRS ARRG

MUSC 123  Jazz Ensemble II 4 Units

Prerequisite: MUSC 122 and Audition. Advanced study and performance of jazz and big band music. This course applies jazz techniques to performance situations for the large ensemble. 36 lecture hours, 108 lab hours arranged. CSU UC

21774 Hoehne, W. TR 11:30 AM-12:55 PM PA 154 08/23-12/14

AUDITION REQUIRED. Register for an ensemble for which you would like to be considered. Visit www.citrusarts.org/music/assessments.html for detailed audition information. This course does not have a waitlist. + 54 HRS ARRG

MUSC 140  Jazz Improvisation I 3 Units

This is a class for music majors and performing artists. Fundamental jazz harmonic theory, techniques, and practices of jazz improvisation in a variety of styles will be introduced and explored. 54 lecture hours, 18 lab hours. CSU UC

21777 Hoehne, W. TR 08:10 AM-09:35 AM SB 100 08/23-12/14
Hoehne, W. R 07:10 AM-08:00 AM PA 154 08/23-12/14

MUSC 141  Jazz Improvisation II 3 Units

Prerequisite: Audition. This is a class for music majors and performing artists. Advanced jazz harmonic theory, techniques, and practices of jazz improvisation in a variety of styles will be introduced and explored. 54 lecture hours, 18 lab hours. CSU UC

21778 Hoehne, W. TR 08:10 AM-09:35 AM SB 100 08/23-12/14
Hoehne, W. R 07:10 AM-08:00 AM PA 154 08/23-12/14

AUDITION REQUIRED. Register for an ensemble for which you would like to be considered. Visit www.citrusarts.org/music/assessments.html for detailed audition information. Course does not have waitlist.

MUSC 144  Fusion Ensemble 1 Units

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626) 914-8833

Schedule of Credit Classes - Fall 2013

Note: Course Dates indicate Beginning and Ending Dates

M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=Saturday

CRN Instructor Days Time Room D CRN Instructor Days Time Room D

MUSC 146  Chamber Jazz 4 Units

Prerequisite: Audition. Exploration and performance of medium-advanced and advanced (Grade 4 and 5) large jazz ensemble literature. Topics include the performance of various jazz styles, jazz ensemble section playing, and solo preparation in the large jazz ensemble setting. Public performance required. 36 lecture hours, 126 lab hours. CSU UC

21779 Hoehne, W. TR 09:55 AM-11:20 AM PA 154 08/23-12/14
Hoehne, W. F 08:30 AM-09:20 AM PA 154 08/23-12/14

AUDITION REQUIRED. Register for an ensemble for which you would like to be considered. Visit www.citrusarts.org/music/assessments.html for detailed audition information. Course does not have waitlist.

MUSC 152  Songwriting II 2 Units

Strongly recommended: MUSC 151. This course expands the student's commercial songwriting techniques. Included are development of ideas, writing melodies, melodic expansion, chord progressions, form, and light orchestrations. 36 lecture hours, 18 lab hours. CSU UC

21781 Slack, R. M 05:00 PM-06:05 PM PA 154 08/23-12/14
Slack, R. W 05:00 PM-05:50 PM PA 154 08/23-12/14

AUDITION REQUIRED. Register for an ensemble for which you would like to be considered. Visit www.citrusarts.org/music/assessments.html for detailed audition information. Course does not have Waitlist. + 126 TOTAL ARRG HRS

MUSC 160  Sight Reading for the Studio I 3 Units

Strongly recommended. MUSE 100. Also, ENGL 099 or READ 099 if required by English placement exam or if required by English level. A preparatory course in sight-reading for the aspiring performer/studio musician. Focus is upon polished/professional performance through the application of music theory and analysis to the sight-reading process. 54 lecture hours. CSU UC

21784 Galvan, A. MW 09:55 AM-11:20 AM VT 208 08/23-12/14

MUSC 190  Career Opportunities in the Music 3 Units

Entertainment Industry

This is a class for students interested in the music entertainment industry. Practices and procedures of artists and performers, record companies, live performance and touring, publishing, management, promotion, artist, radio station, video, and retail sales will be examined. Emphasis will be on prominent guest lecturers from various fields. 54 lecture hours. CSU UC

21785 Desantis, M. MW 08:20 AM-09:45 AM PA 192 08/23-12/14

Music - Education
### MUSE 070  Foundational Rhythm Section 3 Units
**Pedagogy**

Prerequisite: Audition.

This course presents an introductory approach to the development of rhythmic awareness and an assortment of techniques and practice methods to improve aural and rhythmic perception. Basic preparation for college level ensemble rehearsal and performance environments. Required for all music majors. 36 lecture hours, 72 lab hours.

#### CRN Instructor Days Time Room
21786 Waddington, A. T 05:00 PM-07:05 PM PA 154 08/23-12/14
21787 Waddington, A. T 07:15 PM-09:05 PM PA 154 08/23-12/14
21788 Waddington, A. R 05:00 PM-08:05 PM PA 154 08/23-12/14

Register for an ensemble for which you would like to be considered. Visit www.citrusarts.org/music/assessments.html for detailed skill assessment information.

### MUSE 100  Music Fundamentals 3 Units

This course emphasizes basic music skills. Recommended for all students desiring a foundation in beginning theory, notation, ear training, and composition. 54 lecture hours. CSU UC.

#### CRN Instructor Days Time Room
21790 Cotter, S. MW 11:30 AM-12:55 PM VT 319 08/23-12/14
21789 Galvan, A. MW 01:05 PM-02:30 PM VT 319 08/23-12/14
21791 Galvan, A. TR 01:05 PM-02:30 PM VT 319 08/23-12/14

### MUSE 101  Musicianship I 2 Units

Corequisite: MUSE 102.

Strongly recommended: Knowledge of sight-singing.

This course is an introduction to music from the Middle Ages to the 20th Century. Instruction includes basic music theory, a study of prominent composers, and a survey of musical forms. Recommended for the non-music major. Required for music majors. 54 lecture hours. CSU UC.

#### CRN Instructor Days Time Room
21800 Langford, W. TR 08:20 AM-09:45 AM VT 319 08/23-12/14
21799 Langford, W. HRS-ARRG 08/23-12/14

### MUSE 102  Harmony I 3 Units

Corequisite: MUSE 101.

An introductory class in music theory for the music major. For the beginning music student or non-music major. Covers all basic elements in elementary piano, including music reading, rhythm studies, technique, and composition. 36 lecture hours. CSU UC.

#### CRN Instructor Days Time Room
21792 Galvan, A. M 08:20 AM-09:25 AM VT 319 08/23-12/14
21787 Eisel, G. W 08:20 AM-09:10 AM VT 319 08/23-12/14
21793 Eisel, G. T 08:20 AM-09:25 AM PA 193 08/23-12/14
21794 Eisel, G. R 08:20 AM-09:10 AM PA 193 08/23-12/14
21795 Eisel, G. T 09:55 AM-11:00 AM VT 319 08/23-12/14
21796 Eisel, G. R 09:55 AM-10:45 AM VT 319 08/23-12/14

### MUSE 103  Musicianship II 2 Units

Corequisite: MUSE 101 and MUSE 102.

This course is an introduction to music from the Middle Ages to the 20th Century. Continuation of materials and skills developed in MUSE 102. Additional study and analysis of scales, intervals, chord types and harmonic progression. Required of all music majors. 54 lecture hours. CSU UC.

#### CRN Instructor Days Time Room
21880 Eisel, G. T 09:55 AM-11:00 AM VT 215 08/23-12/14
Eisel, G. R 09:55 AM-10:45 AM VT 215 08/23-12/14

### MUSE 104  Harmony II 3 Units

Corequisite: MUSE 103.

Continuation of materials and skills developed in MUSE 102. Additional study and analysis of scales, intervals, chord types and harmonic progression. Required of all music majors. 54 lecture hours. CSU UC.

#### CRN Instructor Days Time Room
21881 Eisel, G. MW 08:20 AM-09:45 AM PA 193 08/23-12/14

### MUSE 109  Music Appreciation 3 Units

This course is an introduction to music from the Middle Ages to the 20th Century. Instruction includes basic music theory, a study of prominent composers, and a survey of musical forms. Recommended for the non-music major. Required for music majors. 54 lecture hours. CSU UC.

#### CRN Instructor Days Time Room
21798 Langford, W. TR 11:30 AM-12:55 PM VT 319 08/23-12/14
21866 Steinmetz, J. TR 01:05 PM-02:30 PM PA 193 08/23-12/14
21797 Langford, W. HRS-ARRG 08/23-12/14

### MUSE 110  History of Music I 3 Units

This is an in-depth course examining the history of music as well as the lives and contributions of major composers from Antiquity, the Middle Ages, the Renaissance, and the Baroque periods. Required for music majors. 54 lecture hours. CSU UC.

#### CRN Instructor Days Time Room
21790 Langford, W. TR 08:20 AM-09:45 AM VT 319 08/23-12/14
21799 Langford, W. HRS-ARRG 08/23-12/14

### MUSE 111  History of Jazz 3 Units

A survey of jazz music. This course provides an opportunity to explore jazz music, its origins, its many styles, and some of the great names whose artistry influenced its development. The effect of jazz on other musical forms such as classical and rock & roll will be explored as well. 54 lecture hours. CSU UC.

#### CRN Instructor Days Time Room
21801 Beatty, D. T 07:00 PM-10:10 PM VT 319 08/23-12/14

### MUSE 113  History of Rock and Roll 3 Units

This course focuses on the rock musician, the music and the manner in which sociological, political, and economic conditions merged in the evolution of this art form. Listening and classroom discussion will be stressed. 54 lecture hours. CSU UC.

#### CRN Instructor Days Time Room
21803 Eisel, G. MW 11:30 AM-12:55 PM PA 133 08/23-12/14
21802 Eisel, G. MW 11:30 AM-12:55 PM PA 133 08/23-12/14
21804 Eisel, G. TR 11:30 AM-12:55 AM PA 133 08/23-12/14
21805 Eisel, G. T 08:00 PM-09:05 PM PA 133 08/23-12/14

### MUSE 120  Elementary Piano I 2 Units

For the beginning music student or non-music major. Covers all basic elements in elementary piano, including music reading, rhythm studies, technique, and scales. 36 lecture hours. CSU UC.

#### CRN Instructor Days Time Room
21807 Galvan, A. T 11:30 AM-12:35 PM VT 215 08/23-12/14
Galvan, A. R 11:30 AM-12:20 PM VT 215 08/23-12/14
21808 Green, M. M 11:30 AM-12:35 PM VT 215 08/23-12/14
Green, M. W 11:55 AM-12:45 PM VT 215 08/23-12/14
21809 Sun, S. R 02:40 PM-04:45 PM VT 215 08/23-12/14
21807 Kang, L. T 05:25 PM-06:30 PM VT 215 08/23-12/14
Kang, L. R 05:25 PM-06:15 PM VT 215 08/23-12/14
21810 Kang, L. T 02:40 PM-04:45 PM VT 215 08/23-12/14

### MUSE 121  Elementary Piano II 2 Units

Prerequisite: MUSE 120 or Audition and/or minimum of beginning standards of reading and performance of piano. Continuation of skills and techniques learned in MUSE 120. Emphasis on reading skills, major scales, compound meters, ensemble playing, harmonization, and elementary classical keyboard literature. 36 lecture hours. CSU UC.

#### CRN Instructor Days Time Room
21811 Green, M. M 01:05 PM-02:10 PM VT 215 08/23-12/14
Green, M. W 01:05 PM-01:55 PM VT 215 08/23-12/14

Register online at citruscollege.edu/ar WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626) 914-8838

Note: Course Dates indicate Beginning and Ending Dates

M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=Saturday

Schedule of Credit Classes - Fall 2013

12/15/2013

DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de

21810 Kang, L. TR 01:05 PM-02:30 PM 08/23-12/14
### MUSE 130 Voice - Beginning

2 Units

This course provides instruction and physical participation in the basic techniques necessary for good singing including posture, breathing, range extension and muscularly. Additionally, beginning harmonic ear training provides tools for gradual improvement and musical achievement. 36 lecture hours, 18 lab hours. CSU UC.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>21598</td>
<td>Green, M.</td>
<td>M</td>
<td>02:40 PM-03:45 PM</td>
<td>VT 319</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td>21812</td>
<td>Green, M.</td>
<td>W</td>
<td>03:40 PM-04:30 PM</td>
<td>VT 319</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td>21813</td>
<td>Green, M.</td>
<td>R</td>
<td>09:30 AM-10:20 AM</td>
<td>PA 193</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

Prerequisite: MUSE 130 or Audition.

### MUSE 131 Intermediate Voice

2 Units

This course provides a review of basic singing techniques with additional intermediate level instruction in greater vocal range, tone emission, and song memorization for the development of skill in performing literature for the solo voice. 36 lecture hours, 18 lab hours. CSU UC.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>21639</td>
<td>Green, M.</td>
<td>T</td>
<td>02:40 PM-03:45 PM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td>21816</td>
<td>Cotter, S.</td>
<td>F</td>
<td>09:55 AM-12:00 PM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

Prerequisite: MUSE 130 or Audition.

### MUSE 140 Beginning Guitar I

2 Units

Stressing, tuning, fingering, playing techniques, notation, chords and chord progressions, reading guitar music, playing simple melodies and accompanying. 36 lecture hours. CSU UC.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>21815</td>
<td>Cotter, S.</td>
<td>M</td>
<td>01:05 PM-02:10 PM</td>
<td>PA 192</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

Prerequisite: MUSE 130 or Audition.

### MUSE 161 World Percussion Instrumentation/Techniques

1 Unit

This course introduces appropriate exercises in rhythm, technique and consistency. Special selected studies include specific techniques and rhythm patterns which are chosen to advance the students proficiency on ethnic percussion instruments. Study of instruments and rhythms from Latin American, Middle Eastern, and other ethnic cultures. 18 lecture hours, 36 lab hours. CSU UC.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
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</thead>
<tbody>
<tr>
<td>21817</td>
<td>Stoup, N.</td>
<td>M</td>
<td>01:05 PM-01:55 PM</td>
<td>PA 154</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td></td>
<td>Stoup, N.</td>
<td>M</td>
<td>02:05 PM-04:10 PM</td>
<td>PA 154</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

Prerequisite: MUSE 130 or Audition.

### MUSE 171 Musical Theatre Techniques

3 Units

This introductory course provides an overview of the techniques necessary for the performer in a live musical theatre production. Topics include history of American musical theatre, audition technique, rehearsal and performance techniques, and methods of production evaluation. 36 lecture hours, 54 lab hours arranged. CSU UC.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
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</thead>
<tbody>
<tr>
<td>21818</td>
<td>Shrope, D.</td>
<td>M</td>
<td>04:00 PM-05:05 PM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td></td>
<td>Shrope, D.</td>
<td>W</td>
<td>04:00 PM-05:00 PM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

Prerequisite: MUSE 130 or Audition.

### MUSE 188 Music Production Software/Hardware

2 Units

This course is an introductory course in the use of music production software and hardware in the composition and arranging of music. Included are music sequencing, music revision/editing, instrumental mixing, enhancing effects, and CD production. Designed for the music major. 36 lecture hours. CSU.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>21820</td>
<td>Galvan, A.</td>
<td>M</td>
<td>07:00 PM-08:05 PM</td>
<td>VT 320</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td></td>
<td>Galvan, A.</td>
<td>W</td>
<td>07:00 PM-07:50 PM</td>
<td>VT 320</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

### MUSE 201 Musicianship III

2 Units

This course provides instruction and physical participation in the basic techniques necessary for good singing including posture, breathing, range extension and muscularly. Additionally, beginning harmonic ear training provides tools for gradual improvement and musical achievement. 36 lecture hours, 18 lab hours. CSU UC.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>21821</td>
<td>Eisel, G.</td>
<td>T</td>
<td>09:55 AM-10:45 AM</td>
<td>PA 215</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

Prerequisite: MUSE 130 and MUSE 140.

Corequisite: MUSE 202.

### MUSE 202 Harmony III

3 Units

Prerequisite: MUSE 104.

Corequisite: MUSE 201.

This course provides an extension of the study and performance of classical music. 36 lecture hours. CSU UC.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>21822</td>
<td>Eisel, G.</td>
<td>M</td>
<td>08:20 AM-09:45 AM</td>
<td>PA 193</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

### MUSE 230 Voice-Intermediate/Advanced

2 Units

Prerequisite: MUSE 131 or Audition.

This course provides an extension of the study and performance of classical music. 36 lecture hours. CSU UC.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
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</thead>
<tbody>
<tr>
<td>21823</td>
<td>Green, M.</td>
<td>T</td>
<td>02:40 PM-03:45 PM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td></td>
<td>Green, M.</td>
<td>R</td>
<td>03:40 PM-04:30 PM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

### MUSP 105 Women’s Ensemble I Beginning

4 Units

Prerequisite: Audition.

This course prepares the student for in-depth women’s ensemble performance at the beginning level. Emphasis on study and performance of classical and popular compositions for women’s ensemble. Public performance is required. 36 lecture hours, 126 lab hours arranged. CSU UC.

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<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>21825</td>
<td>Misson, V.</td>
<td>T</td>
<td>08:10 AM-09:15 AM</td>
<td>PA 192</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

Audition Required. This course does not have a waitlist. + 126 TOTAL ARRG HRS

### MUSP 110 Vocal Ensemble I Beginning

3 Units

Prerequisite: Audition.

Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.

Recommended for all beginning students interested in learning and performing repertoire for the small vocal ensemble. Includes standard vocal literature for various combinations of voices with intensive preparation in choral techniques for public concerts. Public performance required. 36 lecture hours, 54 lab hours arranged. CSU UC.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
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<tbody>
<tr>
<td>21635</td>
<td>Green, M.</td>
<td>T</td>
<td>01:05 PM-02:10 PM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td></td>
<td>Green, M.</td>
<td>R</td>
<td>01:05 PM-01:55 PM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

Previously Concert Choir. AUDITION REQUIRED on the first day of class. + 54 TOTAL HRS ARRG HRS will be scheduled for TR 2:10P-2:40P + performances. This course does not have a waitlist.

### MUSP 115 Chamber Chorale I Beginning

4 Units

Prerequisite: Audition.

This course prepares the student for more in-depth ensemble experience. Emphasis on study and performance of classical and early compositions for small vocal ensembles. Public performances are required. 36 lecture hours, 126 lab hours. CSU UC.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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</tr>
</thead>
<tbody>
<tr>
<td>21826</td>
<td>Shrope, D.</td>
<td>M</td>
<td>09:55 AM-11:00 AM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td></td>
<td>Shrope, D.</td>
<td>W</td>
<td>09:55 AM-10:45 AM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td></td>
<td>Shrope, D.</td>
<td>TR</td>
<td>09:55 AM-11:20 AM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
<tr>
<td></td>
<td>Shrope, D.</td>
<td>F</td>
<td>07:35 AM-07:50 AM</td>
<td>PA 133</td>
<td>08/23-12/14</td>
</tr>
</tbody>
</table>

AUDITION REQUIRED. This course does not have a waitlist.
**MUSP 151  Individual Performance Techniques**  
2 Units

Prerequisite: Audition.

This course offers music majors instruction for solo and recital performance. Repertoire selection and development will be covered. Includes master class and coaching opportunities, programming, solo and recital attire and etiquette, and accompaniment coordination. 18 lecture hours, 108 lab hours arranged.

CSU UC
21529 Shrope, D.  
W 02:40 PM-03:45 PM  
PA 133  
08/23-12/14

AUDITION REQUIRED. Register for an ensemble for which you would like to be considered. Visit www.citrusarts.org/music/assessments.html for detailed audition information. This course does not have a waitlist. + 108 TOTAL HRS ARRG

**MUSP 181  Musical Theater Orchestra I**  
4 Units

Prerequisite: Audition. Successful completion of MUSE 070 or MUSE 090 will support audition success.

Musical Theater Orchestra I offers beginning instruction in instrumental performance of conducted orchestral ensemble accompanied by live staged dance, drama and song, including contemporary Broadway literature, and film and media soundtrack. This course introduces the unique challenges of musical theatre performance that differ from those of concert stage performance, including following live dramatic action, pit orchestra orientation, woodwind doubling, underscore, click track and headphone use, book organization and music marking. 36 lecture hours, 108 lab hours arranged.

CSU UC
21827 Hoehne, W.  
M 11:30 AM-12:35 PM  
PA 154  
08/23-12/14

Hoehne, W.  
W 11:30 AM-12:20 PM  
PA 154  
08/23-12/14

AUDITION REQUIRED. Register for an ensemble for which you would like to be considered. Visit www.citrusarts.org/music/assessments.html for detailed audition information. This course does not have a waitlist. + 108 HRS ARRG

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**NAT 182A  Natural History Series - Inland Mountains, Valleys and Alaska - A**  
2 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

A field course where the topography, climate, geology, ecology, life zones, wildlife, plant life, and human history of the desert region will be covered. Possible locations of interest but not restricted to include Sierra Nevada, Owens Valley, San Andreas Fault Region, Cascades, Bann Jasper, Alaska, and Rio Grand Valley. There will be three to ten days of classes depending on the region visited. A transportation fee may be assessed. 36 lecture hours. CSU UC
21684 Goodman, R.  
HRS-ARRG  
08/23-10/19


**NRS 100  Introduction to Health Occupations**  
3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

Fundamental skills needed for health related occupations. Includes medical terminology, medical math, the application of computers to health care, techniques and learning tools to evaluate scientific readings, field study and exposure to health career opportunities. Offered for Pass/No Pass grading only. 36 lecture hours, 54 lab hours.

20640 Ellis, J.  
MW 02:40 PM-03:45 PM  
P3 105  
08/26-12/09

Ellis, J.  
MW 03:55 PM-05:10 PM  
P3 105  
08/26-12/09

Lecture and Lab combined. Course does not have Waitlist.

Team taught by Jeannette Ellis and David Greene.

20668 Perez, A.  
TR 08:00 AM-09:00 AM  
P3 105  
08/27-12/12

Perez, A.  
TR 09:00 AM-10:00 AM  
P3 105  
08/27-12/12

Lecture and Lab combined. Course does not have Waitlist.

20669 Grauso, L.  
TR 02:40 PM-03:45 PM  
P3 105  
08/27-12/12

Grauso, L.  
TR 03:55 PM-05:10 PM  
P3 105  
08/27-12/12

Lecture and Lab combined. Course does not have Waitlist.

20695 Dhillon, D.  
MW 08:00 AM-09:05 AM  
P3 105  
08/26-12/11

Dhillon, D.  
MW 09:15 AM-10:30 AM  
P3 105  
08/26-12/11

Lecture and Lab combined. Course does not have Waitlist.

Team taught by Dalvir Dhillon and David Greene.

**NRS 101  Nurse Assistant**  
5 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

Provision of basic nursing care to residents in a long-term care facility. Upon successful completion of this course, students become eligible to sit for the nurse assistant competency exam for certification. 54 lecture hours, 108 lab clinical hours.

21729 Bowman, D.  
T 07:00 AM-01:30 PM  
TC 230  
08/23-10/19

First 8 weeks.

Contact 626-914-8720 with any questions.

If interested in enrolling in the Nursing Assistant program, attend the mandatory information session on Thursday, September 19, 2013, from 3:00pm-5:00pm in CI 159. Contact 626-914-8720 with any questions.

21730 Bowman, D.  
T 07:00 AM-01:30 PM  
TC 230  
10/21-12/14

Second 8 weeks.

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**RNRS 190  Foundations of Nursing**  
4 Units

Prerequisites: BIOL 200, 201, 220 or equivalents and admission to the ADN program.

Corequisites: RNRS 191 and 192.

The first course in the nursing sequence, students are introduced to the applications of critical thinking and the nursing process needed to provide basic care to clients in a variety of community, long term and acute care settings. Emphasis is on promoting optimum health across the health illness continuum. Clinical experiences provide the opportunity to practice basic skills and include campus laboratory and experiences in community settings. 36 lecture hours, 108 lab hours.

20777 Barajas, N.  
R 08:00 AM-12:20 PM  
TC 228  
08/29-10/17

Contact 626-914-8720 with any questions.

20799 Barajas, N.  
MT 06:45 AM-01:35 PM  
FD  
08/26-10/15

Students will meet on campus in TC 228 for the first 3 weeks to learn basic skills before going into the clinical facilities. Lab section only. Lecture section also required.

Clinical days and times are subject to change. Course does not have Waitlist.

First Eight Weeks

20780 Porter, K.  
MT 06:45 AM-01:35 PM  
FD  
08/26-10/15

Students will meet on campus in TC 228 for the first 3 weeks to learn basic skills before going into the clinical facilities. Lab section only. Lecture section also required.

Clinical days and times are subject to change. Course does not have Waitlist.

First Eight Weeks
Clinical days and times are subject to change. Course does not have Waitlist.

Lab section only. Lecture section also required.
20841 Andaya, S. T  06:45 AM-06:50 PM  09/09-10/14 FD
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Course does not have Waitlist.

Second Eight Weeks
20837 Barajas, N. MT 06:45 AM-06:50 PM FD 08/20-09/13 CRN 228
Lecture section only. Lab section also required.

Second Eight Weeks
20838 Porter, K. MT 06:45 AM-06:50 PM FD 08/20-09/13 CRN 228
Lecture section only. Lab section also required.

Second Eight Weeks
Clinical days and times are subject to change. Course does not have Waitlist.

RNRS 192 Pharmacology for Nurses 2 Units
Prerequisites: BIO 200, 201, 220 or equivalents and admission to the ADN Program.
Corequisites: RNRS 190 and 191.
This course introduces students to basic understandings of the interaction between drugs and living systems and prepares students for system application of drug therapy throughout the remainder of the program. The course includes instruction in drug classes and schedules, principles of drug administration, pharmacokinetics, pharmacodynamics across the life span, and legal and ethical issues related to drug administration. 36 lecture hours.
20781 Barajas, N. CRN 228 03:00 PM-05:05 PM 08/29-12/12
Lecture hours, 135 lab hours.

RNRS 201 Medical-Surgical Nursing III 5 Units
Prerequisites: RNRS 193, 194, 195 or 200; OR current standing as a LVN in California and the successful completion of RNRS 200 (Role transition: LVN to RN).
Corequisite: RNRS 203.
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course examines the nursing care of selected individuals throughout the lifespan who are experiencing complex alterations in wellness involving multiple systems. Care of clients experiencing a high-risk pregnancy and high-risk newborns is also included. Clinical experiences in local health care agencies and computerized simulation manikins and scenarios provide students opportunity to apply theoretical concepts to actual care of clients. 45 lecture hours, 135 lab hours.
20839 Allahbachayo, S. CRN 229 10:00 AM-12:30 PM 08/29-12/12
Lecture section only. Lab section also required.
Clinical days and times are subject to change. Course does not have Waitlist.
20840 Allahbachayo, S. MU 06:45 AM-06:50 PM 10/20-11/25
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Course does not have Waitlist.
20841 Andaya, S. MT 06:45 AM-06:50 PM 09/09-10/14
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Course does not have Waitlist.
20866 Andaya, S. MT 06:45 AM-06:50 PM 10/21-11/26
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Course does not have Waitlist.

RNRS 203 Mental Health-Psychiatric Nursing 3 Units
Prerequisites: RNRS 193, 194, 195 or 200; OR current standing as a LVN in California and the successful completion of HS 200 SLOs.
Corequisite: RNRS 201.
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course presents the principles of mental health and the social, economic, cultural and physiological factors that predispose a person to dysfunctional human behavior. Emphasis is placed on the therapeutic role of the nurse in promotion, preventing, maintaining and restoring individuals to optimal mental well-being. Concepts of therapeutic communication, age related concerns, treatment modalities, and delivery of mental health services are included. Clinical laboratory experiences are provided in community care facilities. 27 lecture hours, 81 lab hours.
20755 Wong, J. CRN 228 02:15 PM-04:35 PM 08/28-10/14
Prerequisite: RNRS 203.
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
Clinical days and times are subject to change. Course does not have Waitlist.

First Eight Weeks
20752 Grauso, L. T 09:45 AM-10:50 AM 08/27-10/15
Lecture section only. Lab section also required.
Clinical days and times are subject to change. Course does not have Waitlist.
20754 Ellis, J. W 06:45 AM-06:50 PM 08/28-10/10
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Course does not have Waitlist.
20842 Allahbachayo, S. R 01:00 PM-02:25 PM 08/29-12/12
Lecture section only. Lab section also required.
Clinical days and times are subject to change. Management of Assaultive Behavior mandatory meeting will be held on Friday, August 30, 2013 at 8:00am-5:00pm in Room TC 228. Course does not have Waitlist.
20843 Allahbachayo, S. M 06:45 AM-06:50 PM 09/09-10/14
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Management of Assaultive Behavior mandatory meeting will be held on Friday, August 30, 2013 at 8:00am-5:00pm in Room TC 228. Course does not have Waitlist.
20844 Allahbachayo, S. F 06:45 AM-06:50 PM 09/09-10/14
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Management of Assaultive Behavior mandatory meeting will be held on: Monday, November 4, 2013 at 8:00am-5:00pm in TC 228. Clinical days and times are subject to change. Management of Assaultive Behavior mandatory meeting will be held on: Monday, November 4, 2013 at 8:00am-5:00pm in Room TC 228. Course does not have Waitlist.
20845 Young, K. M 06:45 AM-06:50 PM 11/11-12/09
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Management of Assaultive Behavior mandatory meeting will be held on: Monday, November 4, 2013 at 8:00am-5:00pm in TC 228. Clinical days and times are subject to change. Management of Assaultive Behavior mandatory meeting will be held on: Monday, November 4, 2013 at 8:00am-5:00pm in Room TC 228. Course does not have Waitlist.
20846 Allahbachayo, S. R 06:45 AM-06:50 PM 09/09-10/14
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Course does not have Waitlist.

VNR 150 Fundamentals of Nursing 3 Units
Prerequisite: NRS 100.
Corequisites: VNR 151 and current admission to the Vocational Nursing program.
This course presents the evolution of nursing through history until the present time, defines the paradigm of health and illness, explores the issues of culture and ethnicity, and examines the nurse-client relationship. The course presents a wide variety of basic nursing procedures used in the practice of vocational nursing, including how to do the procedure, as well as why and when these procedures should be done. The course presents special tools of nursing: the nursing diagnosis and the nursing process, which are used to provide individualized care to clients. 54 lecture hours.
20753 Grauso, L. W 06:45 AM-06:50 PM 08/28-10/11
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Course does not have Waitlist.
20754 Ellis, J. W 06:45 AM-06:50 PM 08/28-10/10
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Course does not have Waitlist.
20755 Wong, J. M 02:15 PM-04:35 PM 08/28-10/14
First Eight Weeks
Lab days and times are subject to change. Course does not have Waitlist.

VNR 151 Fundamentals of Nursing Lab 3 Units
Prerequisite: NRS 100.
Corequisites: VNR 150.
Clinical application of theoretical concepts of basic nursing functions. Offered for Pass/No Pass grading only. 162 lab hours.
20753 Grauso, L. WF 06:45 AM-06:50 PM 08/28-10/11
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Course does not have Waitlist.
20754 Ellis, J. W 06:45 AM-06:50 PM 08/28-10/10
Lab section only. Lecture section also required.
Clinical days and times are subject to change. Course does not have Waitlist.
20755 Wong, J. M 02:15 PM-04:35 PM 08/28-10/14
First Eight Weeks
Lab days and times are subject to change. Course does not have Waitlist.

VNR 152 Pharmacology I 1 Units
Prerequisite: NRS 100.
A beginning course in pharmacology. Elementary use of drug formulas, conversions, and dosage forms. Interpreting medical orders, and reading drug labels by learning common abbreviations; calculating I.V. flow rates is also included. 18 lecture hours.
20755 Wong, J. M 02:15 PM-04:35 PM 08/28-10/14
First Eight Weeks
Lab sections only. Lecture section also required.
Clinical days and times are subject to change. Course does not have Waitlist.
NOTE: Course Dates indicate Beginning and Ending Dates

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<tr>
<td>VNRS 153</td>
<td>Introductory Nutrition for the Vocational Nurse</td>
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<td>1 Units</td>
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<td>Prerequisite: NRS 100. This course introduces the fundamentals of nutrition to the nursing student by discussing the relationship of food and health and the body's utilization of the six essential nutrients. Content also includes the five basic food groups, the food guide pyramid, and how to define and achieve a well-balanced diet. This course establishes the foundation needed for further study in nutrition. 18 lecture hours.</td>
<td>20756 Grauso, L</td>
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</table>

| CRN 154 | Body Structure Function for the Vocational Nurse | | 1.5 Units | |
| Prerequisite: NRS 100. Corequisites: VNRS 150, 151L, 152, 153, 154. This course introduces basic concepts of psychology while helping students relate them to their patient and themselves. It includes information about personality development, wellness, and personal care, assertiveness, job-related communication, cultural and spiritual differences, employability skills, the role of the LVN, general legal aspects and nursing ethics. 18 lecture hours. | 20758 Ellis, J | M | 10:15 AM-12:35 PM | TC 228 | 08/26-10/14 |
| First Eight Weeks |

| CRN 155 | Social Psychology for the Vocational Nurse | | 1 Units | |
| Prerequisite: NRS 100. Corequisites: VNRS 150, 151L, 152, 153, 154. This course introduces basic concepts of psychology while helping students relate them to their patient and themselves. It includes information about personality development, wellness, and personal care, assertiveness, job-related communication, cultural and spiritual differences, employability skills, the role of the LVN, general legal aspects and nursing ethics. 18 lecture hours. | 20758 Ellis, J | M | 06:35 AM-10:05 AM | TC 228 | 08/26-10/14 |
| First Eight Weeks |

| CRN 160 | Medical - Surgical Nursing I | | 3 Units | |
| Prerequisite: VNRS 150. Corequisites: VNRS 161L. This course presents the theory and principles of nursing care for clients with illness and/or injury of the musculoskeletal, integumentary, and gastrointestinal systems. The course presents the principles and skills needed to perform a beginning level assessment of clients with alterations of these systems, within the scope of practice of the LVN. This course presents the application of the nursing process to the planning and care of these clients. 54 lecture hours. | 20759 Ellis, J | T | 09:00 AM-10:50 AM | TC 228 | 10/22-12/10 |
| Ellis, J | T | 01:00 PM-03:30 PM | TC 228 | 10/22-12/10 |
| Ellis, J | T | 03:35 PM-05:25 PM | TC 228 | 10/22-12/10 |
| Lecture section only. Lab section also required. Second Eight Weeks |

| CRN 161L | Medical - Surgical Nursing I Lab | | 3 Units | |
| Prerequisites: VNRS 151L. Corequisites: VNRS 160. Clinical application of theoretical concepts of nursing care for clients with illness and/or injury of the musculoskeletal, integumentary, and gastrointestinal systems. Offered for Pass/No Pass grading only. 162 lab hours. | 20760 Grauso, L | WC | 06:45 AM-05:35 PM | FD | 10/23-12/06 |
| Lab section only. Lecture section also required. Requires enrollment in CRN 21758 clinical competencies. Second Eight Weeks |

| CRN 162 | Pharmacology II | | 1 Units | |
| Prerequisites: VNRS 150, 151L, 152, 153, 154, 155. Fundamental principles of drug action, the application of specific drugs in the treatment of disease, and the appropriate nursing actions to maximize the desired outcome of therapy. 18 lecture hours. | 20762 Wong, J | M | 10:15 AM-12:35 PM | TC 228 | 10/21-12/09 |
| Second Eight Weeks |

| CRN 163 | Diet Therapy for the Vocational Nurse | | 1 Units | |
| Prerequisite: VNRS 153. This course presents nutritional needs across the lifespan, including the nutritional needs of healthy adults and the needs of people with certain illnesses, as well as nutritional needs related to pregnancy and lactation. Content includes nutritional assessment and planning and the use of therapeutic diets in the treatment of certain illnesses. This course builds on the fundamentals of nutrition presented in VNRS 153. 18 lecture hours. | 20763 Grauso, L | T | 06:45 AM-08:50 AM | TC 228 | 10/22-12/10 |
| Second Eight Weeks |

| CRN 164 | Body Structure and Function for the Vocational Nurse | | 1.5 Units | |
| Prerequisites: VNRS 154. Corequisites: VNRS 160. A continuation of body structure and function for the vocational nurse with clinical case studies. 27 lecture hours. | 20764 Ellis, J | M | 06:45 AM-09:55 AM | TC 228 | 10/21-12/09 |
| Second Eight Weeks |

| CRN 165 | Adult Growth and Development for the Vocational Nurse | | 1 Units | |
| Prerequisites: VNRS 150. Theoretical principles of growth and development. Nursing assessment and promotion of health of the adult from early childhood through death. 18 lecture hours. | 20765 Grauso, L | M | HRS-ARRG | TC 228 | 10/21-12/09 |
| DISTANCE EDUCATION LATE START HYBRID CLASS After registering go to www.citruscollege.edu/Second Eight Weeks |

| CRN 170 | Medical-Surgical Nursing II | | 7 Units | |
| Prerequisites: VNRS 160, 161L, 162, 163, 164. Corequisites: VNRS 171L. Provides advanced nursing students the theory needed to perform skills and procedures for the adult in VNRS 171L. By consistently emphasizing the nursing process and rationale, the approach to each body system includes basic assessment or data collection, planning, implementation, evaluation and documentation. Basic nursing skills are reinforced while advance skills include those related to the following body systems: cardiovascular, respiratory, neurological, gerontological, endocrine and special senses. 126 lecture hours. | 20766 Boquiren, C | T | 08:45 AM-12:20 PM | TC 229 | 08/27-12/10 |
| Lecture section only. Lab section also required. Second Eight Weeks |

Note: Clinical days and times are subject to change.
Note: Course Dates indicate Beginning and Ending Dates

CRN  Instructor               Days   Time                       Room    D     CRN  Instructor               Days   Time                        Room    D

**VNRS 171L Medical-Surgical Nursing II Lab**  7 Units
Corequisites: VNRS 170 and VNRS 183.
Clinical application of theoretical concepts of medical-surgical nursing of clients with alterations of respiration, circulation, blood system, endocrine, special senses, neurological and genito-urinary conditions. Offered for Pass/No Pass grading only. 378 lab hours.
20767 Booqueren, C.        RF  11:30 AM-10:20 PM FD  08/29-12/13  Lab section only. Lecture section also required.

In addition clinical labs will meet on the following Wednesdays: August 28, 2013, September 4 and 11, 2013 at 6:45am - 6:45pm.
Requires enrollment in CRN 21776 clinical competencies.

**NOTE: Lab days and times are subject to change.**

21776 Tucker, G.        W  06:45 AM-03:50 PM FD  09/25-10/02  Lab section only. Lecture section also required.

Clinical competencies will meet on the following Wednesdays: September 25, 2013 and October 16, 2013 at 6:45am-3:50pm. Requires enrollment in CRN 20767.

**NOTE: Lab days and times are subject to change.**

20768 Wong, J.         WR  06:45 AM-05:35 PM FD  08/28-12/12  Lab section only. Lecture section also required.

In addition clinical labs will meet on the following Fridays: August 30, 2013, September 6th and 20th, 2013 at 6:45am-6:45pm.
Requires enrollment in CRN 21772.

**NOTE: Lab days and times are subject to change.**

21772 Tucker, G.        F  06:45 AM-03:50 PM FD  09/27-10/04  Lab section only. Lecture section also required.

Clinical competencies will meet on the following Fridays: September 27, 2013 and October 18, 2013 at 6:45am-3:50pm.
Requires enrollment in CRN 20768.

**NOTE: Lab days and times are subject to change.**

**VNRS 172 Advanced Pharmacology**  2 Units
Prerequisite: VNRS 162.
Fundamental principles of drug action and the application of specific drugs for the treatment of patients with alterations of respiration, renal system, circulation, the blood, endocrine function, neurological function, vision, and hearing. 36 lecture hours.
20769 Wong, J.         M  09:00 AM-02:05 PM TC 229  08/26-10/14  First Eight Weeks

**VNRS 173 Psychology for Vocational Nurses**  2 Units
Prerequisite: VNRS 160.
Corequisite: VNRS 172.
Mental health care for patients and their families who are experiencing the pain of mental disorders. Teaches the nurse to plan and deliver care and provide health teaching so that effective self-care is possible when discharge occurs. 36 lecture hours.
20770 Tucker, G.        M  09:00 AM-02:05 PM TC 229  10/21-12/09  Second Eight Weeks

**VNRS 183 Leadership in Nursing**  3 Units
Prerequisites: VNRS 160, 161L. VNRS 170 or concurrent enrollment. VNRS 171L or concurrent enrollment.
Teaches advanced nursing students in the theory needed to perform skills and procedures used by nursing team leaders in a clinical setting. 36 lecture hours, 54 lab hours.
20771 Tucker, G.        HRS-ARRG 08/26-12/09  DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de

Lecture section only. Lab section also required.
All class meetings on campus will be held the following Mondays in TC 229 - 6:45am - 6:50am
Students are required to take exams on campus on Monday, August 26, October 21 and December 2. 6:45am in TC 229.
20794 Booqueren, C.       RF  10:25 PM-11:50 PM FD  08/29-12/13  Lab section only. Lecture section also required.
Lab days and times are subject to change. Course does not have Waitlist.
21019 Wong, J.         WR  06:45 PM-07:10 PM FD  08/28-12/12  Lab section only. Lecture section also required.
Lab days and times are subject to change. Course does not have Waitlist.

Office Tech & Computer Apps

**OFF 101 Introduction to Microsoft Office Applications**  3 Units

Strongly recommended: OFF 057.
Introduction to Windows and Microsoft Office Suite applications. Computer applications include word processing, spreadsheets, database management, presentation graphics, scheduling/time management, and the Internet. 54 lecture hours, 36 lab hours. CSU
20096 James, R.        MW  08:20 AM-09:50 AM LB 201  08/23-12/14  James, R.        MW  10:00 AM-10:50 AM LB 201  08/23-12/14

**OFF 120 Microsoft Excel**  3 Units
An Excel worksheets and workbooks course to include: formatting, calculating sums, formulas, charts, enhancing the worksheet, and making decisions using the IF function, completing financial functions, data lists, large workbooks using templates, using advanced sorting and filtering, creating charts, diagrams, and templates, creating PivotTable, PivotChart reports, and auditing worksheets, using data analysis, solver, and scenario features, using macros, and Visual Basic for applications, external data, database functions, side-by-side tables, and collaborating with others and preparing a workbook for distribution. 54 lecture hours, 16 lab hours. CSU
20099 James, R.        TR  08:20 AM-09:45 AM LB 201  08/23-12/14  James, R.        R  09:55 AM-10:45 AM LB 201  08/23-12/14

**OFF 260 Computer Keyboarding and Document Processing**  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course introduces skills and techniques fundamental to touch keyboarding on a microcomputer. This course also introduces document processing of letters, memos, and tables and is open to students with no previous keyboarding experience. 54 lecture hours, 36 lab hours. CSU
21627 James, R.        MW  11:30 AM-01:00 PM LB 201  08/23-12/14  James, R.        MW  01:10 PM-02:00 PM LB 201  08/23-12/14

**OFF 281 Filing and Records Management**  3 Units
An overview of records management which involves practical fundamentals of records management, basic filing principles, procedures, and systems. Emphasis is on non-correspondence records, information storage, and retrieval systems. Management aspects of records retention, disposition, and the operation of a records management program. 54 lecture hours.
21337 James, R.        TR  11:30 AM-12:55 PM LB 201  08/23-12/14

**OFF 285 Administrative Office Procedures**  3 Units
This is a course in office procedures and protocol for the person preparing for an office career. It emphasizes continuous self-evaluation and self-development in the areas of basic office skills, professional responsibilities, communication, and human relations. 54 lecture hours.
21628 James, R.        HRS-ARRG 08/23-12/14  DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de
Mandatory Orientation:
August 26, 6:00pm - 7:00pm LB201

**OFF 294 Microsoft Word**  3 Units
Word processing concepts with topics to include: creating and editing text and printing office documents such as, letters from templates, research papers, resume, mail merge, and newsletters. Creating mailing labels, using styles and templates, creating PivotTable, PivotChart reports, and auditing worksheets, using mark-up tools, building reusable documents, advance table features, creating mass mailings, creating standardized forms, working with long documents, embedding, linking objects using Macros, and integrating Word with PowerPoint. This course will also include proofreading and editing skills. 54 lecture hours, 18 lab hours.
21629 James, R.        HRS-ARRG 08/23-12/14  James, R.        T  01:00 PM-02:05 PM LB 201  08/23-12/14  DISTANCE EDUCATION HYBRID CLASS After registering go to www.citruscollege.edu/de

**Philosophy**
PHIL 101  Great Religions of the World  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
The historical development, principal ideas and contributions of the world's religions. 54 lecture hours. CSU UC

PHIL 106  Introduction to Philosophy  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
The foundations of philosophy in terms of modes of critical thinking, significant philosophical problems, and a representative sampling of primary philosophical writings. 54 lecture hours. CSU UC

PHOTO 101  Basic Photography  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
Fundamental still photography with emphasis on planning a photograph, choice of camera, choice of films and papers, use of natural and artificial light, function of lenses and shutters, and techniques for processing sensitized materials. Also basic computer skills. 36 lecture hours, 90 lab hours. CSU UC

PHOTO 102  Intermediate Photography  3 Units
Prerequisite: PHOTO 101.
Provides emphasis on lighting, control of lighting and subject contrast, advance composition, and photographic print quality. Students will acquire intermediate level digital image processing skills. Material fee. 36 lecture hours, 90 lab hours. CSU UC

PHOTO 215  Digital Photographic Imaging  3 Units
Strongly recommended: PHOTO 101 and 205.
In this practical hands-on introduction, the fundamental technical and aesthetic principles of digital photographic processes are addressed, including instruction on DSLR camera operation, composition, and digital retouching and manipulation. Instruction also includes Adobe Photoshop software acquisition techniques and output technologies. Discussion covers contemporary digital imaging and its application within commercial and fine arts. Assignments demonstrate mastery of technical skills and individual creative expression. Helps if student has own DSLR but not required. Material fee. 36 lecture hours, 90 lab hours.

PHYS 110  Introduction to College Physics  4 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. Also, MATH 030.
A general physics course for non-majors that explores fundamental principles of the physical world, including kinematics, Newton's laws of motion, conservation laws, electromagnetism, waves, optics and modern physics. 54 lecture hours, 54 lab hours. CSU UC

PHYS 201  Physics A: Mechanics  5 Units
Prerequisite: MATH 190.
Fundamental principles of mechanics, vectors, motion, work, energy, momentum, and rotational motion. Required for all majors in engineering, physics, chemistry, and some geology and mathematics majors. 72 lecture hours, 54 lab hours. CSU UC

PHYS 203  Physics C: Waves, Optics & Modern Physics  5 Units
Prerequisite: PHYS 201 and MATH 191. MATH 191 may be taken concurrently.
Core topics are waves, optics and modern physics. This course is intended for students majoring in physical sciences and engineering and is part of a three-semester course. 72 lecture hours, 54 lab hours. CSU UC

Political Science
### POLI 103 American Government and Politics  3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

This course deals with the origins and functions of the government of the United States with special emphasis on the background and causes of present problems. It meets the United States Constitution graduation requirement and includes local and state government. 54 lecture hours. CSU UC

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### POLI 103H American Government and Politics - Honors  3 Units Honors

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

This course deals with the origins and functions of the government of the United States with special emphasis on the background and causes of present problems. It meets the United States Constitution graduation requirement and includes local and state government. Students are expected to work and participate at an honors level which includes demonstrating strong critical thinking skills through analysis of social scientific literature and original research in a seminar style class format. 54 lecture hours. CSU UC

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### POLI 104 Introduction to Political Science  3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

An introduction to the principles and practices of government. Political theories and contemporary ideologies; nature of the state; constitution and law; public opinion; mass media; the nature of foreign policy and international politics. 54 lecture hours. CSU UC

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</table>

### POLI 105 Comparative Politics  3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

An introductory course to acquaint students with the types of governmental systems which people establish in their various localities around the world and the competing values that tend to result in conflicts between opposing groups of people. An in-depth analysis of contending political ideologies, electoral procedures, and governing institutions is the course’s main focus. This course is structured to provide a regional and comparative approach to the study of politics at the global level. 54 lecture hours. CSU UC

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>20824</td>
<td>Ross, G.</td>
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<td>09:55 AM-11:20 AM</td>
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</table>

### PSY 101 Introduction to Psychology  3 Units

An elementary course in statistical concepts designed especially for students in the social and behavioral science areas. The development of basic skills in descriptive statistics and inferential statistics is stressed. Reliability and validity problems when generalizing from samples to population will be considered. 54 lecture hours. CSU UC

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
</tr>
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<tr>
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### PSY 102 Psychobiology  3 Units

Prerequisite: PSY 101.

Strongly recommended: BIOL 104 or BIOL 105. Study of the effects of biology upon behavior; the relationship between psychological processes and the nervous system; muscular, and glandular features of the response mechanism; and, the structure and functions of the sense organs. 54 lecture hours. CSU UC

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<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
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### PSY 103 Statistics for the Social and Behavioral Sciences  3 Units

Prerequisite: MATH 150.

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. An elementary course in statistical concepts designed especially for students in the social and behavioral science areas. The development of basic skills in descriptive statistics and inferential statistics is stressed. Reliability and validity problems when generalizing from samples to population will be considered. 54 lecture hours. CSU UC

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### Psychology

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**PSY 203  Research Methods in Psychology**

4 Units

Prerequisite: PSY 101 and PSY 103 or MATH 165.

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

An introductory course in research methodology designed for students in the behavioral and social sciences. The application of basic skills in descriptive and inferential statistics is stressed, as well as critical analysis of experimental and non-experimental research methods in basic and applied research settings. 54 lecture hours, 54 lab hours. CSU UC

<table>
<thead>
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<td>IS 110</td>
<td>08/23-12/14</td>
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<td>LB 310</td>
<td>08/23-12/14</td>
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**PSY 205  Developmental Psychology**

3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

Developmental Psychology is the scientific study of progressive changes in behavior, cognition, and abilities. Attention is paid to issues related to the roles of nature and nurture in developmental processes. 54 lecture hours. CSU UC

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<td>08/23-12/14</td>
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</table>

**PSY 206  Child Growth and Development**

3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

This course examines major physical, psychosocial, and cognitive/behavioral developmental milestones as they pertain to the various ages and stages in a child's life from the prenatal development through adolescence. Practices of investigative research methodologies, caregiving, education, teaching, and parenting that derive from diverse cultural and theoretical perspectives will be analyzed. Students will learn to observe and evaluate individual developmental patterns and analyze characteristics of development at various stages. Interactions between maturational and environmental factors will be explored. 54 lecture hours, CSU UC

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<td>LH 103</td>
<td>08/23-12/14</td>
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**PSY 212  Behavioral Disorders**

3 Units

Prerequisite: PSY 101.

Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.

This course provides an overview of the various mental disorders as listed in the Diagnostic and Statistical Manual (DSM IV-R) and identifies therapies used in treatment of these disorders. 54 lecture hours. CSU UC

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<th>Time</th>
<th>Room</th>
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</tr>
</thead>
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<td>03:50 PM-05:15 PM</td>
<td>LB 301</td>
<td>08/23-12/14</td>
</tr>
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</table>

**PSY 213  Survey of Drug and Alcohol Use and Abuse**

3 Units

Prerequisite: PSY 101.

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

This survey course includes drug classification, drug physiology and psychopharmacology, theories of addiction, history and theories of treatment, dual diagnosis, drug testing and social policy, recovery and rehabilitation, and other related topics. 54 lecture hours. CSU UC

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<tr>
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<th>Days</th>
<th>Time</th>
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<td>20412</td>
<td>Guttman, K.</td>
<td>HRS-ARRG</td>
<td>08/23-12/14</td>
<td>DISTANCE EDUCATION CLASS After registering go to <a href="http://www.citruscollege.edu/de">www.citruscollege.edu/de</a></td>
<td></td>
</tr>
</tbody>
</table>
This class is intended for Emerging Theatre Technologies program students only.

PUB 164 Plan Interpretation and Cost  
Estimating  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
A course in developing the ability to read and interpret plans and estimate time, material, labor, and equipment needed for public works projects. 54 lecture hours.  
20970 Adawiya, I. W 06:30 PM-09:40 PM PC 303 08/23-12/14

PUB 166 Supervision in Public Works  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
Fundamentals of supervision focusing on the public works industry. Topics to be covered include communications, employee orientation and training, motivating employees, decision making, performance appraisal writing, and disciplinary action. 54 lecture hours.  
21437 Mastrosimone, V. M 06:30 PM-09:40 PM TE 103 08/23-12/14

real estate

REAL 210 Real Estate Principles  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
A basic course for those who plan to enter the real estate field vocationally or who desire a background in the subject. Topics include: contracts, economics, history, financing, deeds, leases, and partial preparation for California Real Estate Salesperson License Examination. 54 lecture hours.  
20994 Ghielmi, R. HRS-ARRG 08/23-12/14

DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de  
Students may be required to take exams on campus.

recording technology

REC 100 Survey of Entertainment Technology  
4 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
This course is an introduction to the current technology, terminology and techniques used in audio engineering for recorded music, video and online media. Includes the history of audio, basic audio electronics, microphones, consoles, computer-based production systems and related signal processors. 54 lecture hours, 72 lab hours.  
20574 O'Hara, S. TR 09:15 AM-11:20 AM LH 103 08/23-12/14

LEARNING COMMUNITIES CLASS: Requires enrollment in ENGL 099 CRN 21146.  
21628 O'Hara, S. TR 09:15 AM-11:20 AM LH 103 08/23-12/14

REC 103 Introduction to Audio Engineering  
4 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
This course is an introduction to the current technology, terminology and techniques used in audio engineering for recorded music, video and online media. Includes the history of audio, basic audio electronics, microphones, consoles, computer-based production systems and related signal processors. 54 lecture hours, 72 lab hours.  
20791 O'Hara, S. MW 02:40 PM-04:05 PM LH 103 08/23-12/14

O'Hara, S. TR 11:30 AM-01:35 PM PA 192 08/23-12/14

21831 O'Hara, S. MW 01:05 PM-02:30 PM PA 193 08/23-12/14

O'Hara, S. TR 09:15 AM-11:20 AM LH 103 08/23-12/14

REC 135 Live Sound Reinforcement  
4 Units  
Corequisite: Successful completion of REC 105 or THEA 120.  
This course focuses on the basic elements of sound reinforcement, acoustics, equalization, microphone placement, and mixing techniques. The major emphasis is on the acoustics, speaker and microphone placement and the effects on the final sonic product. 54 lecture hours, 72 lab hours.  
20974 Deatrick, S. MWF 01:15 PM-02:05 PM VT 208 08/23-12/14

Deatrick, S. TR 11:00 AM-01:00 PM VT 117 08/23-12/14

Deatrick, S. MW 11:15 AM-01:05 PM VT 117 08/23-12/14

This class is intended for Emerging Theatre Technologies program students only.

REC 140 Music Theory for Engineers  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
A study of the elements of music including melody, rhythm, chords, musical forms, and related concepts. Music notation, terminology, rehearsal techniques and score reading is emphasized. 54 lecture hours.  
20778 Alvison, D. MW 02:40 PM-04:05 PM PA 192 08/23-12/14

21830 Shima, K. MW 08:10 AM-09:35 AM VT 215 08/23-12/14

sociology

SOC 114 Marriage, Family, and Intimate Relations  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
A consideration of the sociological and psychological factors which influence present day marriages and relationships. Course includes seminar discussions oriented toward understanding these influences as they relate to the individual. 54 lecture hours.  
20339 White, G. MW 11:30 AM-12:55 PM LB 103 08/23-12/14

20338 Walz, S. TR 09:55 AM-11:20 AM LB 302 08/23-12/14

20344 Walz, S. TR 11:30 AM-12:55 PM LB 301 08/23-12/14

21607 White, G. HRS-ARRG 08/23-12/14

DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de

SOC 201 Introduction to Sociology  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
An emphasis is placed on the study of the basic structure of human society, the main forces that hold groups together or weaken them, conditions that transform social life, and basic social concepts. 54 lecture hours.  
20365 Walz, S. MW 09:55 AM-11:20 AM LB 302 08/23-12/14

LEARNING COMMUNITIES CLASS: Requires enrollment in ENGL 101 CRN 20612.  
20387 White, G. MW 09:55 AM-11:20 AM LB 301 08/23-12/14

LEARNING COMMUNITIES CLASS: Requires enrollment in MATH 029 CRN 20641.  
20386 Walz, S. MW 11:30 AM-12:55 PM LB 303 08/23-12/14

21696 Ottaviano, L. MW 05:25 PM-06:50 PM LB 301 08/23-12/14

21229 White, G. TR 11:30 AM-12:55 PM LB 103 08/23-12/14

21379 Ottaviano, L. T 07:00 PM-08:10 PM LB 103 08/23-12/14

20384 Walz, S. HRS-ARRG 08/23-12/14

DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de

First Eight Weeks  
20391 Walz, S. HRS-ARRG 10/21-12/14

Second Eight Weeks

SOC 201H Introduction to Sociology - Honors  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
Strongly recommended: Member in good standing of the Citrus College Honors Program. Recommendation from an Honors Instructor.  
An emphasis is placed on an in-depth, critical study of the basic structure of human society, the main forces that hold groups together or weaken them, conditions that transform social life, and basic social concepts. Students are expected to work and participate at an honors level which includes, strong critical thinking skills through analysis of sociological readings, presentation, and leadership skills demonstrated through class participation/presentation, and service learning in the community. 54 lecture hours.  
20745 Le, E. R 03:40 PM-05:50 PM P3 100 08/23-12/14

SOC 202 Contemporary Social Problems  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
Emphasis is placed on American society and social problems. Special attention is given to the causes and effects of social problems. Course content includes research, field observation studies, seminar discussion with special resource professionals. 54 lecture hours.  
21585 Guttman, K. MW 08:20 AM-09:45 AM HH 754 08/23-12/14

21614 White, G. TR 09:55 AM-11:20 AM LB 103 08/23-12/14

21689 White, G. W 03:00 PM-05:00 PM TE 153 08/23-12/14

20395 White, G. HRS-ARRG 08/23-12/14

DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de
Spanish

SPAN 101  Spanish I  5 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
A course in elementary Spanish grammar, vocabulary, and pronunciation which focuses on understanding, speaking, reading, and writing (including spelling) simple Spanish and serves as an introduction to the geography, history, and culture of the Spanish-speaking world. 90 lecture hours. CSU UC

20498 Garate, E.  MTWR 07:00 AM-08:10 AM  LB 108  08/23-12/14
20503 McGarry, A.  MTWR 08:35 AM-09:45 AM  LB 108  08/23-12/14
20463 Garate, E.  MTWR 09:55 AM-11:05 AM  IS 109  08/23-12/14
20502 Afzali, A.  MW 10:05 AM-12:35 PM  LB 108  08/23-12/14
20481 Afzali, A.  TR 10:05 AM-12:35 PM  LB 108  08/23-12/14
20342 Afzali, A.  MW 01:05 PM-03:35 PM  LB 108  08/23-12/14
21515 Blynn-Avanosian, S.  MW 03:50 PM-06:20 PM  LB 108  08/23-12/14
20370 Blynn-Avanosian, S.  MW 07:00 PM-09:30 PM  LB 108  08/23-12/14
21717 Garcia, V.  TR 03:50 PM-06:20 PM  LB 108  08/23-12/14
21850 Fleischer, B.  TR 03:50 PM-06:20 PM  LB 203  08/23-12/14
21516 Guillet, N.  MW 07:00 PM-09:30 PM  LB 108  08/23-12/14
20493 Fleischer, B.  TR 07:00 PM-09:30 PM  LB 108  08/23-12/14
20474 Garcia, V.  TR 07:00 PM-09:30 PM  LB 106  08/23-12/14

SPAN 102  Spanish II  5 Units

Prerequisite: Completion of SPAN 101 with min. grade of C or two years of high school Spanish.
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
A further study of elementary Spanish grammar and vocabulary which develops understanding, speaking, reading, and writing (including spelling). Includes additional study of the cultural heritage of Spain and Latin America. 90 lecture hours. CSU UC

20506 Garate, E.  MTWR 08:20 AM-09:30 AM  LB 108  08/23-12/14
21697 Garate, E.  MTWR 11:30 AM-12:40 PM  LB 305  08/23-12/14
20335 Guillet, N.  TR 07:00 PM-09:30 PM  P1 104  08/23-12/14

SPAN 201  Spanish III  5 Units

Strongly recommended: Fluent in Spanish or completion of SPAN 102. Also, ENGL 099 or READ 099 if required by English placement or if required by English level.
This intermediate level course was created with both native Spanish speakers and students studying Spanish as a second language in mind. Current social themes and vocabulary support a comprehensive review of Spanish grammar. The discussion of contemporary cultural topics, the reading of authentic texts, and the development of writing skills are all features of this class that help all intermediate Spanish students to refine and enjoy using their language skills. 90 lecture hours. CSU UC

21356 McGarry, A.  TR 10:05 AM-12:35 PM  LB 106  08/23-12/14

SPAN 202  Spanish IV  5 Units

Strongly recommended: Fluent in Spanish or completion of SPAN 102. Also, ENGL 099 or READ 099 if required by English placement or if required by English level.
This intermediate level course, which may be taken before or after Spanish 3, was designed for both native Spanish speakers and students studying Spanish as a second language. Contemporary cultural topics and vocabulary will provide a context for the study of higher level Spanish grammar. Meaningful readings and the refinement of writing skills will help students to further develop their cultural and linguistic competence. This interactive course is conducted primarily in Spanish. 90 lecture hours. CSU UC

21718 McGarry, A.  MW 10:05 AM-12:35 PM  LB 106  08/23-12/14

SPAN 210  Intermediate Spanish for Speakers of Spanish  5 Units

Prerequisite: Oral fluency in Spanish.
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
A course designed to help students who are fluent in spoken, informal Spanish, but who need to improve writing, reading and grammar skills. Emphasis on acquiring formal oral Spanish skills and a knowledge of Spanish and Latin American literature and culture. Equivalent to SPAN 201. 90 lecture hours. CSU UC

21719 Afzali, A.  TR 01:05 PM-03:35 PM  LB 108  08/23-12/14

Speech

SPCH 100  Interpersonal Communication  3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
Introduction to interpersonal communication: verbal and non-verbal face-to-face interactions; understanding messages sent and received; awareness and resolutions of communication barriers. 54 lecture hours. CSU

20772 Chavez-Apell, M.  MW 08:20 AM-09:45 AM  ED 205  08/23-12/14
20359 Rodriguez, N.  TR 08:20 AM-09:45 AM  IS 109  08/23-12/14
21354 Uhl, S.  F 08:10 AM-11:20 AM  AN 101  08/23-12/14
20372 Culiver, K.  MW 09:55 AM-11:20 AM  AN 102  08/23-12/14
20371 Culiver, K.  MW 11:30 AM-12:55 PM  LS 120  08/23-12/14
20353 Fincher, J.  MW 11:30 AM-12:55 PM  TC 127  08/23-12/14
20363 Fincher, J.  TR 11:30 AM-12:55 PM  TC 127  08/23-12/14
21177 Fincher, J.  TR 01:05 PM-02:30 PM  TC 127  08/23-12/14
20350 Fincher, J.  MW 03:50 PM-05:15 PM  P1 103  08/23-12/14
21690 Deets, K.  T 07:00 PM-10:10 PM  ED 201  08/23-12/14
21511 Tufano, A.  W 07:00 PM-10:10 PM  AN 101  08/23-12/14
21512 Nelson, M.  R 07:00 PM-10:10 PM  LB 309  08/23-12/14
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### THEA 120 Introduction to Tech for Theatre, TV and Film

**Course Description:**
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

- **Prerequisite:** THEA 101 or equivalent.
- **Course Content:**
  - Introduction to technical aspects of theatre, film, and television.
  - Focus on lighting, sound, set design, and stagecraft.

**Instructional Methods:**
- Lectures and Demonstrations
- Practical Workshops

**Evaluation:**
- Written Assignments
- Practical Projects

**Transfer Credit:**
- CSU, UC

**Contact Hours:**
- 3 Units

**Schedule Details:**
- CRN: 20028
- Instructor: Volonte, D.
- Days: TR
- Times: 02:40 PM-04:05 PM
- Room: VT 208
- Dates: 08/23-12/14

### THEA 122 Stagecraft

**Course Description:**
Prerequisite: THEA 120 or concurrent enrollment.

- **Course Content:**
  - Study of various styles and techniques of stagecraft.
  - Emphasis on scenic design, properties, and stage management.

**Instructional Methods:**
- Lectures
- Workshops
- Field Trips

**Evaluation:**
- Written Assignments
- Portfolio

**Transfer Credit:**
- CSU, UC

**Contact Hours:**
- 3 Units

**Schedule Details:**
- CRN: 20037
- Instructor: Volonte, D.
- Days: TR
- Times: 04:15 PM-05:40 PM
- Room: VT 208
- Dates: 08/23-12/14

### THEA 125 Technical Theatre Production

**Course Description:**
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

- **Prerequisite:** THEA 120 or concurrent enrollment.
- **Course Content:**
  - Advanced production work in theatre.
  - Focus on set design, properties, and technical theatre.

**Instructional Methods:**
- Lectures
- Workshops
- Field Trips

**Evaluation:**
- Written Assignments
- Portfolio

**Transfer Credit:**
- CSU, UC

**Contact Hours:**
- 3 Units

**Schedule Details:**
- CRN: 20019
- Instructor: Volonte, D.
- Days: T
- Times: 10:30 AM-11:20 AM
- Room: VT 208
- Dates: 08/23-12/14

### THEA 140 Introduction to Lighting for Theatre, Television and Film

**Course Description:**
Prerequisite: THEA 120 or concurrent enrollment.

- **Prerequisite:** THEA 101 or equivalent.
- **Course Content:**
  - Introduction to lighting techniques for theatre, film, and television.
  - Focus on principles of lighting design and practical applications.

**Instructional Methods:**
- Lectures
- Workshops
- Field Trips

**Evaluation:**
- Written Assignments
- Portfolio

**Transfer Credit:**
- CSU, UC

**Contact Hours:**
- 3 Units

**Schedule Details:**
- CRN: 20012
- Instructor: Brown, C.
- Days: MW
- Times: 09:55 AM-11:20 AM
- Room: PA 181
- Dates: 08/23-12/14

### Theatre Arts

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### Theatre 201 Stage Acting I - Beginning

**Course Description:**
A beginning level performance class with an introduction to Stanislavski Method of Acting.

- **Prerequisite:** THEA 101 or equivalent.
- **Course Content:**
  - Introduction to Stanislavski Method of Acting.
  - Study of acting techniques and their application in performance.

**Instructional Methods:**
- Lectures
- Workshops
- Rehearsals

**Evaluation:**
- Written Assignments
- Performance Assignments

**Transfer Credit:**
- CSU, UC

**Contact Hours:**
- 3 Units

**Schedule Details:**
- CRN: 20012
- Instructor: Brown, C.
- Days: MW
- Times: 09:55 AM-11:20 AM
- Room: PA 181
- Dates: 08/23-12/14

### Theatre 202 Stage Acting II - Intermediate

**Course Description:**
An extension of the concepts as introduced in THEA 201. More in-depth approach to contemporary theatre using Stanislavski method as well as other methods of acting in character and scene study and analysis.

- **Prerequisite:** THEA 201 or Audition.
- **Course Content:**
  - Advanced level acting techniques and character study.
  - Focus on Stanislavski and other acting methods.

**Instructional Methods:**
- Lectures
- Workshops
- Rehearsals

**Evaluation:**
- Written Assignments
- Performance Assignments

**Transfer Credit:**
- CSU, UC

**Contact Hours:**
- 3 Units

**Schedule Details:**
- CRN: 20022
- Instructor: Brown, C.
- Days: MW
- Times: 09:55 AM-11:20 AM
- Room: PA 181
- Dates: 08/23-12/14

### Theatre 203 Stage Acting III - Advanced

**Course Description:**
A more in-depth approach to contemporary theatre using Stanislavski method as well as other methods of acting in character and scene study and analysis.

- **Prerequisite:** THEA 202 or equivalent.
- **Course Content:**
  - Advanced acting techniques and character study.
  - Focus on Stanislavski and other acting methods.

**Instructional Methods:**
- Lectures
- Workshops
- Rehearsals

**Evaluation:**
- Written Assignments
- Performance Assignments

**Transfer Credit:**
- CSU, UC

**Contact Hours:**
- 3 Units

**Schedule Details:**
- CRN: 20022
- Instructor: Brown, C.
- Days: MW
- Times: 09:55 AM-11:20 AM
- Room: PA 181
- Dates: 08/23-12/14

## Schedule of Credit Classes - Fall 2013

This schedule includes all credit classes offered during the Fall 2013 term at Citrus College. Classes are listed in alphabetical order by course title, and information includes CRN, instructor name, days, time, and room number.

**Note:** Course Dates indicate Beginning and Ending Dates. Students are required to take exams on campus in Testing Center.
**THEA 205** Stage Acting III - Intermediate/Advanced  
3 Units  
Prerequisite: THEA 202.  
An extension of the concepts as introduced in THEA 201 and 202. Creating roles through intensive scene and monologue study. Approaches to individual actor problems. Students may perform in an Acting Showcase at semester’s end.  
54 lecture hours, 36 lab hours. CSU UC  
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<tr>
<th>CRN</th>
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**THEA 210** Rehearsal and Performance in Production  
3 Units  
Prerequisite: Audition.  
Participation in the production of a full length play for public performance. Productions will be entered into the American College Theatre Festival for adjudication and competition. This course may be taken four times.  
18 lecture hours, 108 lab hours. CSU UC  
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<tr>
<th>CRN</th>
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**THEA 211A Camera Acting I - Beginning**  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. The practice and study of the fundamental techniques required in acting before the camera in film and television in contrast to the variance from stage work. Students will address areas of non-verbal imagination work and movement for the camera; the structure of film and television settings; marketing strategies; “green screen” performance and improvisation techniques.  
54 lecture hours, 36 lab hours. CSU UC  
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<td>PA 191</td>
<td>08/23-12/14</td>
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**THEA 211B Camera Acting II - Intermediate**  
3 Units  
Prerequisite: THEA 211A.  
A more detailed study of the fundamental techniques required in acting before the camera in film and television in contrast to the variance from stage work. Students will address areas of scripted monologues, blocking, memorization, basic audition techniques, Voice Overs, ADR techniques and the concept of Continuity.  
54 lecture hours, 36 lab hours. CSU UC  
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<tr>
<th>CRN</th>
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**THEA 221** Theatre Practicum/Special Projects I - Physical Life  
3 Units  
Prerequisite: Audition.  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. Methods and techniques of storytelling using a variety of scripted material to enhance and enrich characterization.  
18 lecture hours, 108 lab hours. CSU UC  
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<th>CRN</th>
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**WATER TECHNOLOGY**

**WATR 150** Introduction to Water Systems  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. A basic course in water distribution and treatment covering water quality control practices, water sources, public health aspects of water regulations, supply, water treatment arithmetic, chemical treatment, filtration, corrosion, disinfection, tastes and odors in water, water system operation and maintenance, valves, pipes, pumps, and meters. The material covered in this course will be helpful to those preparing for the D-1 and D-2 Water Distribution Operator’s Certificate examinations and the T-1 Water Treatment Operator’s Certificate examination given by the State of California.  
54 lecture hours.  
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**WATR 151** Water Resources and Distribution I  
3 Units  
Strongly recommended: WATR 150 and MATH 030.  
A course designed for water distribution systems operators. This course continues WATR 150. Topics include: water production, types of reservoirs, water lines, pumps, water chemistry, water treatment, arithmetic, chemical treatment, appurtenances, method of installation, repair of facilities, back up theory, and administrative functions behind the distribution system. This course prepares the student for the D2 and D3 Water Distribution Operator’s examinations.  
54 lecture hours.  
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**WATR 157** Water Treatment II  
3 Units  
Strongly recommended: WATR 156.  
A course covering water resources, water quality, unit operations of advanced water treatment systems, public health, water chemistry and microbiology, and fluoridation. Prepares students for T3, T4, and T5 Water Treatment Operator’s Certificate examinations required by the Department of Public Health.  
54 hours lecture.  
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**WATR 162** Water Conservation  
3 Units  
This class provides an overview and technical information on the role of the water conservation coordinator in the public water supply industry. Topics include: water supply and cycle, structure and operations of utilities, regulatory agencies, best management practices, water conservation programs and technologies. This class will help the student prepare for the AWWA grade one Water Conservation Practitioner Certification.  
54 lecture hours.  
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Register online at citruscollege.edu/ar  
WingSpan Registration Help Desk (626) 914-8833  
Admissions and Records office (626) 914-8833