### Accounting

**ACCT 100  ACCOUNTING**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<tr>
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<td>10:00 AM-12:05 PM</td>
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<tr>
<td>30022</td>
<td>Smolin, R.</td>
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<tr>
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<tr>
<td>30028</td>
<td>Smolin, R.</td>
<td>HRS-ARRG</td>
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Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.

### ACCT 101  Financial Accounting

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<tr>
<th>CRN</th>
<th>Instructor</th>
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<tbody>
<tr>
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<td>30022</td>
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<tr>
<td>30023</td>
<td>Borja, P.</td>
<td>TR</td>
<td>12:15 PM-02:20 PM</td>
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### ACCT 102  Managerial Accounting

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<tr>
<td>30033</td>
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Prerequisite: ACCT 101 with min. grade of C.

### ACCT 110  Income Tax Accounting

<table>
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<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
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A course designed to study the federal income tax process, federal income tax laws that apply to individuals, and the application of tax principles to specific problems. Topics include gross income and exclusions, business deductions and itemized deductions, losses, certain tax credits and property transactions. Study is also made of California income tax laws in those areas which differ from federal tax law. 72 lecture hours. CSU

### AJ 111  Narcotics and Vice Control

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<tr>
<td>31559</td>
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Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.

### ANTH 210  Introduction to Cultural Anthropology

<table>
<thead>
<tr>
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Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.

### AJ 135  Control and Supervision in Corrections

<table>
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<td>31750</td>
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### Anthropology

**ANTH 210  Introduction to Cultural Anthropology**

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

### ANTH 212  Introduction to Physical Anthropology

<table>
<thead>
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<th>Time</th>
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</table>

Corequisite: ANTH 212L.

### ANTH 212L  Introduction to Physical Anthropology Lab

Corequisite: ANTH 212.

### Administration of Justice

**AJ 111  Narcotics and Vice Control**

<table>
<thead>
<tr>
<th>CRN</th>
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<td>TE 153</td>
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</table>

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

### Architecture

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626)
**ARCH 100  Introduction to Architecture**  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.  
An introductory course for students interested in exploring the fields of architecture and architectural technology and developing a working knowledge of planning and design. 54 lecture hours. CSU  
31606  Fernandes, R.  MW 08:00 AM-09:25 AM  PC 314  02/19-06/15

**ARCH 102  Visual Communication**  
2.5 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, DRAF 101.  
Visual communication of axonometric, oblique, and one and two-point perspective drawings. Natural and man-made forms are analyzed. Color and texture of form are studied as they are revealed by light, shade, and shadow. Students' perceptions of subject matter are translated into convincing visual expressions by learning the graphic skills and the use of a variety of media.  
Students sketch, draw and render projects. 36 lecture hours, 36 lab hours. CSU  
31612  Tabata, F.  TR 03:30 PM-04:35 PM  PC 309  02/19-06/15  
Tabata, F.  TR 04:45 PM-05:35 PM  PC 306  02/19-06/15

**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 or ARCH 100.  
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  
31608  Fernandes, R.  MW 09:35 AM-10:25 AM  PC 306  02/19-06/15  
Fernandes, R.  MW 10:35 AM-12:40 PM  PC 309  02/19-06/15

**ARCH 111  Basic Architectural Design**  
3 Units  
Prerequisite: ARCH 110.  
Strongly recommended: DRAF 101.  
Architectural design including: details of construction, framing of walls, ceilings, roofs, exterior elevations, interior elevations and cabinet details. Design techniques for completing a set of working drawings is also covered. This course provides students with a detailed analysis of material applications and the fundamental knowledge of methods of construction. Material fee. 36 lecture hours, 72 lab hours. CSU  
31609  Fernandes, R.  MW 10:40 AM-12:50 PM  PC 309  02/19-06/15  
Fernandes, R.  MW 01:40 PM-02:30 PM  PC 306  02/19-06/15

**ARCH 202  Architectural Design II**  
3 Units  
Prerequisite: ARCH 110.  
Strongly recommended: DRAF 101.  
Designing and detailing business and manufacturing buildings. Code requirements, special materials, and functional requirements are addressed. Students analyze and incorporate environmental site factors, simple program requirements and basic knowledge of building materials. The design process of sustainability, climate and lighting issues are incorporated as integral components of an architectural design solution. A portfolio of the assigned design exercises completes the course requirements. 36 lecture hours, 72 lab hours. CSU UC  
31635  Fernandes, R.  MW 02:50 PM-03:40 PM  PC 304  02/19-06/15  
Fernandes, R.  MW 10:40 AM-12:50 PM  PC 306  02/19-06/15

**ARCH 251  History of Architecture: Baroque to the Present Day**  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.  
Exploration of the role of a built environment in social, cultural, and political life; how buildings are constructed, what they mean, effects they have on the world, and ways they imagine new futures and shape private and public life. This course spotlights a series of contemporary case studies for what each reveals about new possibilities for shaping the world in which we live, with an emphasis on how architecture extends to class, race, gender, and the role of media.  
This course spotlights a series of contemporary case studies for what each reveals about new possibilities for shaping the world in which we live, with an emphasis on how architecture extends to class, race, gender, and the role of media. 54 lecture hours. CSU UC  
31890  Holmes, A.  TR 11:30 AM-12:55 PM  PC 314  02/19-06/15

### Schedule of Credit Classes - Spring 2013

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
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<td>PC 314</td>
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<tr>
<td>31593</td>
<td>Rusch, L.</td>
<td>M</td>
<td>06:10 PM-07:20 PM</td>
<td>AC 133</td>
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<tr>
<td>30414</td>
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<td>AC 103</td>
<td>02/19-06/15</td>
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**Art**

**ART 100  Art History and Appreciation - Fundamentals**  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.  
A study of the basic art principles and elements and how they are applied to art forms from prehistoric times to the present. 54 lecture hours. CSU UC  
30465  Hillman, M.  M 06:10 PM-07:00 PM  PC 304  02/19-06/15  
Hillman, M.  M 07:10 PM-08:20 PM  PC 304  02/19-06/15  
Hillman, M.  W 06:10 PM-07:15 PM  PC 304  02/19-06/15  
Hillman, M.  W 07:30 PM-08:20 PM  PC 304  02/19-06/15

**ART 101  Art History and Appreciation-Ancient**  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.  
This course covers the history of ancient and early history. 54 lecture hours. CSU UC  
30418  Johnson, S.  TR 11:30 AM-12:55 PM  PC 314  02/19-06/15  
HRS-ARRG  02/19-06/15

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

**ART 102  Art History and Appreciation - Medieval**  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.  
This course covers the history of western art from the early Renaissance to the 19th century. 54 lecture hours. CSU UC  
31890  Holmes, A.  TR 11:30 AM-12:55 PM  PC 103  02/19-06/15

**ART 103  Art History and Appreciation - Renaissance to Rococo**  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.  
This course covers the history of western art from the early Renaissance to the Rococo period. 54 lecture hours. CSU UC  
31903  Rusch, L.  W 06:10 PM-09:20 PM  PA 133  02/19-06/15  
30418  Johnson, S.  HRS-ARRG  02/19-06/15

**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 potters wheel. Emphasis is on understanding the qualities of clay, appreciation of basic pottery forms, simple glazing techniques and the development of personal expression. Material fee. 36 lecture hours, 72 lab hours. CSU UC  
30465  Hillman, M.  M 06:10 PM-07:00 PM  AC 117  02/19-06/15  
Hillman, M.  M 07:10 PM-08:20 PM  AC 117  02/19-06/15  
Hillman, M.  W 06:10 PM-07:15 PM  AC 117  02/19-06/15  
Hillman, M.  W 07:30 PM-08:20 PM  AC 117  02/19-06/15

**ART 145  Ceramic Design and Decoration**  
3 Units  
Prerequisite: ART 141.  
This course involves hand built and wheel thrown projects that investigate problems in pottery form and surface enhancement. Other related topics include the effect of various firing methods and exhibit preparation. This course may be taken four times. 36 lecture hours, 72 lab hours. CSU UC  
30485  Hillman, M.  T 08:00 AM-09:00 AM  AC 118  02/19-06/15  
Hillman, M.  T 09:10 AM-11:20 AM  AC 118  02/19-06/15  
Hillman, M.  R 08:10 AM-09:15 AM  AC 118  02/19-06/15  
Hillman, M.  R 09:30 AM-11:20 AM  AC 118  02/19-06/15

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626) 914-8833
ART 149  Studio Problems in Ceramics  1 Units
Prerequisite: ART 141.
Independent study involving intermediate or advanced projects in studio ceramics. Materials used include clay, engobe, stain and glaze. Firing techniques, studio practices, display, and exhibition design is included. This course may be taken four times. Material fee. 18 lecture hours, 18 lab hours.

CSU UC
30486 Hillman, M. M 06:10 PM-07:15 PM AC 117 02/19-06/15
Hillman, M. W 06:10 PM-07:15 PM AC 117 02/19-06/15
Hillman, M. T 08:10 AM-09:15 AM AC 117 02/19-06/15
Hillman, M. R 08:10 AM-09:15 AM AC 117 02/19-06/15

ART 153  Digital Media Productions I  3 Units
Strongly recommended: ART 150 or Portfolio review.
An overview of multimedia production and associated technology. The course will use Illustrator, Photoshop and other software in the development of graphic presentations for use in business and communications. Students will be provided an opportunity to produce computer graphics merging images and text for large format printing. This course may be taken two times. Material fee. 36 lecture hours, 72 lab hours. CSU

30506 Jackson, M. T 08:10 AM-09:00 AM AC 101 02/19-06/15
Jackson, M. T 09:10 AM-11:20 AM AC 101 02/19-06/15
Jackson, M. R 08:10 AM-09:15 AM AC 101 02/19-06/15
Jackson, M. R 09:30 AM-11:20 AM AC 101 02/19-06/15

ART 162  Computer Graphics I  3 Units
Strongly recommended: ART 150 and/or ART 158.
An introduction and skill development course using the computer as a tool for graphic design and page layout projects where basic design, personal creativity, typography, illustration, and production techniques are implemented. An emphasis is placed on understanding 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. This course may be taken three times. 36 lecture hours, 72 lab hours. CSU

31909 Caughman, L. M 02:50 PM-03:40 PM AC 101 02/19-06/15
Caughman, L. M 03:50 PM-04:40 PM AC 101 02/19-06/15
Caughman, L. W 02:50 PM-03:55 PM AC 101 02/19-06/15
Caughman, L. W 04:10 PM-05:00 PM AC 101 02/19-06/15

ART 168  Animation I  3 Units
Strongly Recommended: ART 150 and/or Portfolio review. Also, ENGL 099 or READ 099 if required by English placement exam or if required by English level. The focus of this course is to introduce the fundamentals of two-dimensional animation with emphasis on the computer as a tool. Student projects involve scripting, storyboarding, action, transition, and timing character development, and portfolio enhancement. This course may be taken three times. 36 lecture hours, 72 lab hours. CSU

31294 Jackson, M. M 08:10 AM-09:00 AM AC 101 02/19-06/15
Jackson, M. M 09:10 AM-11:20 AM AC 101 02/19-06/15
Jackson, M. W 08:10 AM-09:15 AM AC 101 02/19-06/15
Jackson, M. W 09:25 AM-11:15 AM AC 101 02/19-06/15

ART 189  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 art/design work for the purpose of a job interview or advanced university placement. The final presentation will be based upon the students' studio 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.

30515 Jackson, M. T 08:10 AM-09:00 AM AC 101 02/19-06/15
Jackson, M. T 09:10 AM-11:20 AM AC 101 02/19-06/15
Jackson, M. R 08:10 AM-09:15 AM AC 101 02/19-06/15
Jackson, M. R 09:30 AM-11:20 AM AC 101 02/19-06/15

ART 199  Motion Picture Appreciation  3 Units

30454 Kary, D. M 05:25 PM-06:35 PM PA 133 02/19-06/15

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

Students required to take exams on campus.

Astronomy

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
31012 Chan, L. MW 11:30 AM-12:55 PM MA 227 02/19-06/15
30444 Kaisler, D. MW 01:05 PM-02:30 PM MA 227 02/19-06/15
30447 Kaisler, D. TR 09:55 AM-11:20 AM MA 227 02/19-06/15
31880 Chan, L. T 07:00 PM-09:10 PM MA 227 02/19-06/15
30449 Chan, L. R 07:00 PM-09:10 PM MA 227 02/19-06/15
30454 Kary, D. HRS-ARRG 02/19-06/15

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<td>AA 101</td>
<td>02/19-06/15</td>
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### AUTO 154  Chassis Service, Diagnosis, and Repair

**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 Technician's 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.

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<tr>
<th>CRN</th>
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<th>Time</th>
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<td>TD 134</td>
<td>02/19-06/15</td>
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### AUTO 156  Automotive Electrical & Electronic Systems I

**Prerequisite:** AUTO 101 or one year minimum industry experience based on departmental approval or related coursework.

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 Technician’s Education Cooperative programs. This class covers essential electrical and electronic systems theory, along with inspection, diagnosis, service & 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 & Electronic Systems (A6) certification. 68 lecture hours, 72 lab hours.

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<tr>
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### AUTO 162  Drivetrain Service, Diagnosis and Repair

**Prerequisite:** AUTO 166.

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 Technician’s 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. 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.

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### Automotive - Auto, Lt Truck

#### AUTO 100  Automotive Technology and Maintenance for the Consumer

**Prerequisite:** ENGL 099 or READ 099 if required by English placement exam or if required by English level. Also, MATH 030.

Intended for non-majors. Automobiles and light trucks will be explained from the point of view of the consumer. The course covers essential automotive systems, charging systems, lighting systems, gauges, and instrument-panel warning lights. Prepares students for ASE Electrical & Electronic Systems (A6) certification. 68 lecture hours, 72 lab hours.

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#### AUTO 101  Fundamentals of Automotive Service, Diagnosis and Repair

**Prerequisite:** ENGL 099 or READ 099 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 explained 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.

<table>
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<tr>
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**AUTO 168 Engine Control Systems Service, Diagnosis and Repair**

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 diagnosis, service and repair of the following systems: ignition, air and 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

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**AUTO 230B Automotive Service and Repair Work Experience B**

Recommended Skills: AUTO 101, 151, 154, 156, 162, 166, 167 and 168 SLOs. 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. 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.

30889 | Clark, J.       | HRS-ARRG | TE 115 | 02/19-06/15 | 30889 | Clark, J.       | HRS-ARRG | TE 115 | 02/19-06/15 |

The lectures will meet on the following Wednesdays:

February 27, March 27, April 24, May 22, June 12 at 6:30PM - 8:30PM. Location: TE 115

**AUTO 230C Automotive Service and Repair Work Experience C**

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, 480 lab hours arranged.

30890 | Clark, J.       | HRS-ARRG | TE 115 | 02/19-06/15 | 30890 | Clark, J.       | HRS-ARRG | TE 115 | 02/19-06/15 |

The lectures will meet on the following Wednesdays:

February 27, March 27, April 24, May 22, June 12 at 6:30PM - 8:30PM. Location: TE 115

**AUTO 281 Advanced Toyota Certified Technician Training**

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

Other: Currently a full-time journeyman level technician with two years of dealership experience or four years experience at an independent repair facility or completion of 1080 hours of NATEF-Master certified post-secondary automotive training program with at least 12 months of technician experience or successful completion of all requirements of the Automotive Service, Diagnosis and Repair - Toyota/Lexus/Scion Technician. Certificate of Achievement except the AUTO 281 course. An advanced-level course specifically designed to meet the Toyota Certified Technician Program requirements for certification in the following University of Toyota technical training courses: 021, 263, 302, 453, 553, 623, 652, 753, and 852. Only individuals meeting the requirement of the T-TEN Professional Certificate or the current T-TEN students that have completed the NATEF core classes may attend. Classes are offered Pass/No Pass only. 88 lecture hours, 88 lab hours.

30953 | Rubio, M.        | TR   | 06:00 PM-08:15 PM  | TE 104 | 02/19-06/15 | 30953 | Rubio, M.        | TR   | 06:00 PM-08:15 PM  | TE 104 | 02/19-06/15 |

**BIOL 104 Biology: Contemporary Topics**

Recommended: 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

31027 | Goedhart, C.     | HRS-ARRG | 02/19-06/15 | 31027 | Goedhart, C.     | HRS-ARRG | 02/19-06/15 |

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

31015 | Villeneuve, L.   | R     | 07:00 PM-10:10 PM  | TE 103 | 02/19-06/15 | 31015 | Villeneuve, L.   | R     | 07:00 PM-10:10 PM  | TE 103 | 02/19-06/15 |

31883 | Anderson-McGill, T. | F     | 08:00 AM-11:10 AM  | LH 101 | 02/19-06/15 | 31883 | Anderson-McGill, T. | F     | 08:00 AM-11:10 AM  | LH 101 | 02/19-06/15 |

31889 | Hollenshead, M.  | F     | 11:00 AM-02:10 PM  | LH 103 | 02/19-06/15 | 31889 | Hollenshead, M.  | F     | 11:00 AM-02:10 PM  | LH 103 | 02/19-06/15 |

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626) 914-8833
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**BIOL 105 General Biology**

4 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. Also, MATH 030, and high school biology or chemistry.

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 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 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 technologists. 54 lecture hours, 108 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

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

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

Second eight weeks.

Students are required to come to campus for the midterm exam (Saturday, May 18, 8:00am, LB 207) and for the final exam (Saturday, June 8, 8:00am, LB 207). See syllabus for details.

## 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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## BUS 146 Personal Finance 3 Units

Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. This course is an integrative approach to personal finance focusing on practical financial decision making as well as the social, psychological, and physiological contexts in which those decisions are made. Students will examine their relationships with money, set personal goals, and develop a plan to meet those goals. Topics include consumerism, debt, disability, death and taxes. 54 lecture hours.

CSU

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**LEARNING COMMUNITIES CLASS** Requires enrollment in COUN 145 CRN 31584

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**DISTANCE EDUCATION COURSE; After registering go to www.citruscollege.edu/de**

Students Required to take exams on Campus in Testing Center.

Second eight weeks.

## BUS 152 Business Communications 3 Units

Strongly recommended: BUS 150. Also, ENGL 099 or READ 099 if required by English placement or if required by English level. A study of principles and strategies for developing effective written and oral communication skills for use in the workplace and in business. Several types of written and oral forms of business communication are highlighted. Recommended for business majors. 54 lecture hours.

CSU UC

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

Students required to take exams on campus in Testing Center.

## BUS 160 Business Law and the Legal Environment I 3 Units

A study of law, with an emphasis on the law's relationship to business. Topics covered include the legal environment of business, court procedures, jurisdiction, torts and crimes in the business environment, intellectual property, principles of contract law, commercial transactions, and ethical business practices. 54 lecture hours.

CSU UC

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## BUS 170 Small Business Management 3 Units

The study of business organization emphasizing the small independently owned business. Instructional topics include discussion of the benefits of small business, creation of a new venture, marketing, managing, financial, and administrative controls. 54 lecture hours.

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

Students may be required to take exams on campus in Testing Center.

## 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.

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

Students required to take exams on campus.

## BUS 175 Introduction to Management 3 Units

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.

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

Students required to take exams on campus.

## BUS 185 Elements of Marketing 3 Units

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

A course focusing on the moving of goods, services, and ideas from producer to consumer. Topics include: functions and institutions of marketing; marketing research and customer motivation; buying, selling, pricing and competition; transportation, storage and packaging; banking, communication, and insurance. 54 lecture hours.

CSU UC

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

Students required to take exams on campus.

## 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.

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

Mandatory lab meets on campus. Online work also required.
CHEM 104  College Chemistry  5 Units  
Preerequisite: 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 
30330 Ryba, D.  TR 11:30 AM-12:55 PM  
Lecture section only.  Lab section also required.  
30331 Montgomery, R.  TR 04:55 PM-06:20 PM  
Lecture section only.  Lab section also required.  
30332 Johnson, S.  MW 07:35 AM-11:10 AM  
Lab section only.  Lecture section also required.  
30333 Farahani, B.  TR 07:35 AM-11:10 AM  
Lab section only.  Lecture section also required.  
30334 Ryba, D.  TR 01:10 PM-04:45 PM  
Lab section only.  Lecture section also required.  
30335 Montgomery, R.  TR 06:30 PM-10:05 PM  
Lab section only.  Lecture section also required.  

CHEM 110  Beginning General Chemistry  5 Units  
Preerequisite: MATH 150 or concurrent enrollment.  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
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 
30333 Farahani, B.  W 05:00 PM-09:15 PM  
30334 M 05:00 PM-09:15 PM  
30335 R 05:00 PM-09:15 PM  
30336 TR 09:55 AM-11:20 AM  
30337 Montgomery, R.  TR 11:30 AM-12:55 PM  

CHEM 111  General Chemistry  5 Units  
Preerequisite: 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 
30343 Entus, R.  TR 11:30 AM-12:55 PM  
Lecture section only.  Lab section also required.  
30344 Entus, R.  TR 07:35 AM-11:10 AM  
Lab section only.  Lecture section also required.  
30345 Entus, R.  TR 07:35 AM-11:10 AM  
Lab section only.  Lecture section also required.  

CHEM 112  General Chemistry  5 Units  
Preerequisite: CHEM 111.  
A general course in the fundamentals 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 
30346 Miles, T.  TR 07:35 AM-11:10 AM  
Lab section only.  Lecture section also required.  
30347 Miles, T.  TR 07:35 AM-11:10 AM  
Lab section only.  Lecture section also required.  

Child Development  

CHLD 100  Introduction to Education and Teaching  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 teaching performance 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 
30741 Perry, C.  TR 08:20 AM-09:45 AM  

CHLD 112  Principles of Early Childhood Education I  3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
This course is designed to introduce students to the theoretical principles of developmentally appropriate practice as applied to programs and environments with an emphasis on the role of relationships, constructive adult-child-parent interactions, and teaching strategies that support physical, social/emotional, creative and intellectual development for all young children regardless of their individual and diverse needs.  Observation, analysis and assessment of programs for young children will be required.  The course includes a review of the historical roots of early childhood programs and the evolution of professional practices promoting advocacy, ethics and professional identity.  54 lecture hours.  
CSU 
30746 Gregg, J.  MW 11:30 AM-12:55 PM  
30747 Nuttall, A.  W 07:00 PM-10:10 PM  

CHLD 114  Home-Child-Community Relations  3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
An examination of the developing child in a societal context which focuses on the interrelationships of family, school and community and emphasizes historical and socio-cultural factors.  The processes of socialization and identity development will be highlighted.  The course includes an examination of community resources, the teacher's role and the influences of age, gender, diverse abilities, culture, socio-economic status and public policy factors that affect children and families.  54 lecture hours.  
CSU 
30748 Gregg, J.  TR 09:55 AM-11:20 AM  
31975 Ysais, M.  R 07:00 PM-10:10 PM  
31078 Hahn, S.  M 03:40 PM-06:50 PM  

CHLD 116  Introduction to Curriculum  3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
This course will present an overview of knowledge and skills related to providing curriculum and environments for young children from birth through age six.  Examination of the teacher's role in supporting learning and development in young children with an emphasis on the essential role of play.  This course provides strategies for developmentally appropriate practice based on observation and assessments across the curriculum including the following areas: 1) language and literacy, math and science, 2) creative art and experiences 3) development of physical, social-emotional and cognitive skills.  54 lecture hours.  
CSU 
30749 Hahn, S.  MW 11:30 AM-12:55 PM  
31555 Hahn, S.  TR 01:05 PM-02:30 PM  

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.  
30752 Doolittle, J.  R 06:05 PM-08:10 PM  

CHLD 124  Math for Children  1 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
The student will gain knowledge of practical mathematics activities to use with preschool and early-school age children.  The student will plan developmentally appropriate math curriculum activities.  This course focuses on analyzing relevant theories of child development to provide the student with opportunities to evaluate mathematical materials and activities for use in the early childhood education classroom.  18 lecture hours.  
31744 Doolittle, J.  R 03:50 PM-05:55 PM  

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626) 972-3000
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**CHLD 134 Parent-Child Interaction**  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
This course explores dynamics of parent-child relationships. Students will analyze the process of being a parent, considering both internal and external forces that have influences. A focus on children from birth to adolescence will include understanding developmental needs. A problem solving approach to the parent-child interaction will be examined to promote positive relationships within a harmonious family atmosphere. 54 lecture hours. CSU

**CHLD 160 Perceptual Motor and Movement Activities**  
2 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
This course will focus on evaluation of motor skills, planning and implementation of perceptual motor and movement activities appropriate for normal and motor-delayed young children. Emphasis will be placed on the role of the physical and psychomotor domain in the total development of the young child. Developmental motor activities will be examined that aid children in acquiring movement abilities and fitness, as well as facilitate social interaction and cognitive development. Participants will develop movement experiences for use in the classroom and in the planning of a motor development curriculum. 36 lecture hours.

**CHLD 164 The Child with Special Needs**  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
A presentation of different types of atypical development that interfere with normal physical, cognitive, social, behavioral and emotional growth from preschool through early school-age children. 54 lecture hours. CSU

**CHLD 166 Speech and Language Development and Disorders**  
2 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
This course will cover children's acquisition of speech and language skills from birth to age five. Emphasis will be on normal language, articulation, fluency, and voice development. Included will be children's language learning strategies, adult teaching strategies, language and cultural differences, and an overview of communication disorders, as well as appropriate referral to a professional. 36 lecture hours.

**CHLD 168 Development Risk: Infants and Toddlers**  
2 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
This class introduces the student to early intervention strategies that are positive and cost-effective for use with children who are developmentally delayed or at risk for developmental delays. Information on Public Law 99-457 is included. Specific strategies for language intervention and child abuse reporting are also included. This class is appropriate for all professionals and paraprofessionals working with young children. 36 lecture hours.

**CHLD 184 Infant and Toddler Caregiver: Environments and Routines**  
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 learn to set up a safe, intimate, and interesting environment for infants and toddlers. They will also learn the techniques of responsive caregiving in daily routines. This class partially meets the licensing requirement for 3 units in infant and toddler care and development. 18 lecture hours.

**CHLD 190 Administration of Early Childhood Education Programs I**  
3 Units  
Strongly recommended: CHLD 110 or 112, or PSY 206 and CHLD 111 and 114.  
Introduction to the basic principles of administration of early childhood education programs. Includes specific topics of curriculum development and evaluation; staff selection, supervision and evaluation, laws and regulations; site development and supervision; budgeting and fiscal management; parent education; health and safety supervision; time management and problem solving techniques. This class meets state requirements for supervision of Title XXII preschool programs. 54 lecture hours.

**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

**CHIN 102 Chinese II**  
5 Units  
Prerequisite: CHIN 101 or two years of high school Chinese.  
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.  
Chinese 102 continues to present the fundamentals of Chinese grammar. Students are further trained to pronounce Mandarin correctly, to build their conversational and written vocabulary, and to read and write approximately 300 more Chinese characters. 90 lecture hours. CSU UC

**COMM 100 Mass Media and Society**  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
A survey and evaluation of mass media in economic, historical, political, psychological, and sociological terms. Focuses on helping the media consumer understand the power and significance of mass communications: books, newspapers, magazines, radio, television, motion pictures, the Internet, public relations, and advertising. Discusses the rights and responsibilities and interrelatedness of media in a diverse global society. Required for all communications and journalism majors; also a general interest course. 54 lecture hours. CSU UC

**COMM 101 Reporting and Writing News**  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.  
An introduction to defining, gathering, and writing the news. Stress accuracy, objectivity, fairness, and balance. Practice in interviewing techniques, following rules of professional style, and writing basic news story structures for print, broadcast and online publications. Discussion of issues involving press rights and responsibilities, cultural sensitivity, taste, libel, and ethics. Required of all communication and journalism majors. 54 lecture hours. CSU

**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

**CHIN 102 Chinese II**  
5 Units  
Prerequisite: CHIN 101 or two years of high school Chinese.  
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.  
Chinese 102 continues to present the fundamentals of Chinese grammar. Students are further trained to pronounce Mandarin correctly, to build their conversational and written vocabulary, and to read and write approximately 300 more Chinese characters. 90 lecture hours. CSU UC

**Communications**

**DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de**
### Computer Information Systems

#### CIS 099 Introduction to Windows and PCs 2 Units
- **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. CSU
- 31704 Gerfen, T. M
  - MW 08:00 AM-09:00 AM
  - IS 108 02/19-06/15

#### CIS 107 Information Systems & Applications 4 Units
- **Strongly recommended:** CIS 099. Also, ENGL 099 or READ 099 if required by English placement or if required by English level.
- **Strongly recommended:** Knowledge of MS Windows.
- 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
- 31709 Flores, R.
  - TR 11:30 AM-01:35 PM
  - IS 110 02/19-06/15

### Computer Science

#### CIS 130 Microcomputer Applications I 4 Units
- **Strongly recommended:** CIS 099 or CIS 107. Also, ENGL 099 or READ 099 if required by English placement or if required by English level.
- Students will use the personal computer to learn an office suite, such as Microsoft Office, that includes word processing, electronic spreadsheets, database management systems, multimedia/presentation graphics, and personal information management. Prepares students to take the Microsoft Office User Specialist certification exams. 72 lecture hours. CSU UC
- 31715 Mustain, J.
  - TR 11:30 AM-01:35 PM
  - IS 108 02/19-06/15

#### CIS 150 Web Development (Dreamweaver) 3 Units
- **Strongly recommended:** CIS 105. Also, ENGL 099 or READ 099 if required by English placement or if required by English level.
- This course is part of a series exploring the Macromedia Suite (Dreamweaver, Flash, Fireworks). This course introduces the basic features of Dreamweaver. Topics include: the Dreamweaver interface, the CSS, HTML integration, images, tables, forms, and layers. 54 lecture hours.
- 31716 Flores, R.
  - HRS-ARRG 02/19-06/15

#### CIS 162 Electronic Spreadsheets 3 Units
- **Strongly recommended:** ENGL 099 or READ 099 if required by English placement or if required by English level.
- This course provides comprehensive instruction in the use of spreadsheet software to create, edit, store, retrieve, and print spreadsheets and charts. Topics include completing calculations, making decisions, organizing and graphing data, developing professional looking reports, publishing organized data to the Web, and accessing real-time data from Web sites. 54 lecture hours. CSU
- 31719 Flores, R.
  - MW 08:50 AM-10:15 AM
  - IS 110 02/19-06/15

#### CIS 230 Microcomputer Applications II 4 Units
- **Strongly recommended:** CIS 130.
- A second course in the use of microcomputers for personal and professional productivity. Students will use the personal computer to learn Microsoft Office (i.e., Word, Excel, Access, & PowerPoint) at an advanced level. Covers the advantages of using integrated software over a single application. 72 lecture hours. CSU
- 31720 Solis, R.
  - HRS-ARRG 04/22-06/15

### Distance Education Class

#### CIS 130 Microcomputer Applications I
- Distance Education Class. After registering go to www.citruscollege.edu
- Students Required to take exams on Campus.

#### CIS 150 Web Development (Dreamweaver)
- Distance Education Class. After registering go to www.citruscollege.edu
- Students Required to take exams on Campus.

#### CIS 162 Electronic Spreadsheets
- Distance Education Class. After registering go to www.citruscollege.edu
- Students Required to take exams on Campus.

#### CIS 230 Microcomputer Applications II
- Distance Education Class. After registering go to www.citruscollege.edu
- Second Eight Weeks.

Register online at citruscollege.edu/ar WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626) 31705 O'Neil, M.
- W 08:55 AM-10:15 AM
  - IS 108 02/19-06/15

### Schedule of Credit Classes - Spring 2013

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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Note: Course Dates indicate Beginning and Ending Dates

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

CRN  Instructor              Days   Time                       Room    D

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

CRN  Instructor              Days   Time                        Room    D

Schedule of Credit Classes - Spring 2013                                         4/15/2013
COS 111  Introduction to Programming  4 Units
Concepts and Designs
Strongly recommended: CIS 107. Also, ENGL 099 or READ 099 if required by English placement and or if required by English level. An introduction to the principles of computer programming and software development. Topics covered include the program development cycle, developing algorithms, data and control structures, structured programming, and object-oriented programming. Data types, expressions, control structures, functions, file and stream I/O, and structured and abstract data types are introduced in this course. Microsoft's Visual Studio to help illustrate programming concepts common to modern high-level programming languages. Students must wait two years before retaking this course. 72 lecture hours. CSU UC

CRN Instructor  Days  Time  Room  D
31711 Solis, R.  MW  09:15 AM-11:20 AM  IS 108  02/19/06/15

Strongly recommended: CIS 107. Also, ENGL 099 or READ 099 if required by English placement and or if required by English level. An introduction to the principles of computer programming and software development. Topics covered include the program development cycle, developing algorithms, data and control structures, structured programming, and object-oriented programming. Data types, expressions, control structures, functions, file and stream I/O, and structured and abstract data types are introduced in this course. Microsoft's Visual Studio to help illustrate programming concepts common to modern high-level programming languages. Students must wait two years before retaking this course. 72 lecture hours. CSU UC

CRN Instructor  Days  Time  Room  D
31711 Solis, R.  MW  09:15 AM-11:20 AM  IS 108  02/19/06/15

Cosmetology

COS 141  Introduction to Cosmetology  11 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. This is the introductory course for students majoring in cosmetology. The course includes the exploration of a variety of subjects including hairsculpting, hairstyling, skin care, nail care, hair coloring, chemical texturizing and practical experience in cosmetology. Material fee. 144 lecture hours, 144 lab hours.

CRN Instructor  Days  Time  Room  D
31104 Morish, M.  MTWR  12:40 PM-02:55 PM  TC 208  02/19/06/15

Additional fees for the Cosmetology Program Kit are approximately $1645 plus a miscellaneous cost of $100. The Program 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.

COS 161A  Haircolor I  4 Units
Prerequisite: COS 140 or COS 141 or concurrent enrollment. Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. A continuation of the science and theory of professional haircoloring techniques and procedures in COS 141. Lectures, demonstrations, and practical experience in the following areas: chemistry of products, hair analysis, practical application and design principles. Part one of a two-part course. 40 lecture hours, 104 lab hours.

CRN Instructor  Days  Time  Room  D
31107 Lucido, G.  MTWR  07:30 AM-09:30 AM  PC 113  04/22/05/16
Lucido, G.  MTWR  09:40 AM-03:00 PM  PC 113  04/22/05/16

COS 172A  Hair design I  4 Units
Prerequisite: COS 161B and COS 181B. Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. 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: advanced wet/thermal hairstyling, advanced long hair design, and creative artistry in hair design. Part two of a two-part course. 40 lecture, 104 lab hours.

CRN Instructor  Days  Time  Room  D
31115 Glover, P.  MTWR  07:30 AM-09:30 AM  PC 112  03/19-04/12
Glover, P.  MTWR  09:40 AM-03:00 PM  PC 112  03/19-04/12
31117 Smith, R.  MTWR  05:30 PM-07:00 PM  PC 112  04/22-06/14
Smith, R.  MTWR  07:10 PM-10:00 PM  PC 112  04/22-06/14

COS 178A  Chemical Texturizing I  4 Units
Prerequisite: COS 161B and COS 181B. Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. 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.

CRN Instructor  Days  Time  Room  D
31118 Lucido, G.  MTWR  07:30 AM-09:30 AM  PC 122  02/20-03/18
Lucido, G.  MTWR  09:40 AM-03:00 PM  PC 122  02/20-03/18
31119 Glover, P.  MTWR  07:30 AM-09:30 AM  PC 122  04/22-05/16
Glover, P.  MTWR  09:40 AM-03:00 PM  PC 122  04/22-05/16

COS 178B  Chemical Texturizing III  4 Units
Prerequisite: COS 178A. A continuation of the science and theory of professional permanent waving and straightening techniques and procedures introduced in COS 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.

CRN Instructor  Days  Time  Room  D
31121 Lucido, G.  MTWR  07:30 AM-09:30 AM  PC 122  03/19-04/12
Lucido, G.  MTWR  09:40 AM-03:00 PM  PC 122  03/19-04/12
31123 Glover, P.  MTWR  07:30 AM-09:30 AM  PC 122  05/20-06/14
Glover, P.  MTWR  09:40 AM-03:00 PM  PC 122  05/20-06/14

COS 181A  Hairsculpting I  4 Units
Prerequisite: COS 140 or COS 141 or concurrent enrollment. Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level. A continuation of the theory of professional hairstyling techniques and procedures introduced in COS 141. 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.

CRN Instructor  Days  Time  Room  D
31129 Bautista, S.  MTWR  07:30 AM-09:30 AM  PC 108  04/22-05/16
Bautista, S.  MTWR  09:40 AM-03:00 PM  PC 108  04/22-05/16

COS 181B  Hairsculpting II  4 Units
Prerequisite: COS 181A. A continuation of the theory of professional hairstyling 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.

CRN Instructor  Days  Time  Room  D
31617 Graciano, A.  MTWR  05:30 PM-07:00 PM  PC 108  04/22-06/14
Graciano, A.  MTWR  07:10 PM-10:00 PM  PC 108  04/22-06/14
COS 182 Skincare 4 Units
Prerequisite: COS 140 or COS 141 or concurrent enrollment.
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
A continuation of the science and theory of professional skincare, make-up techniques and procedures introduced in COS 141. Lectures, demonstrations and practical experience in the following areas: anatomy and physiology, skin diseases and disorder, hair removal, electricity and electrical modalities for facials/skincare and facial treatments. 40 lecture hours, 104 lab hours.
31124 Bautista, S. MTWRF 07:30-09:30 AM 02/20-03/18
31125 Hernandez, S. MTWRF 07:30-09:30 AM 04/22-05/16
Hernandez, S. MTWRF 09:40-03:00 PM 02/20-03/18

COS 183 Nail Care 4 Units
Prerequisite: COS 140 or COS 141 or concurrent enrollment.
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
A continuation of the science and theory of professional nail care techniques and procedures introduced in Cosmetology 141. Lectures, demonstrations, and practical experience in the following areas: natural nail care, artificial nail enhancements, products, procedures and safety measures for the professional cosmetologist. 40 lecture hours, 104 lab hours.
31842 Hernandez, S. MTWRF 07:30-09:30 AM 05/20-06/14
Hernandez, S. MTWRF 09:40-03:00 PM 05/20-06/14

COS 199A Esthetician I 8 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
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-part course. 72 lecture hours, 216 lab hours.
31134 Everett, A. MTWRF 07:30-09:15 AM 01/01 02/20-04/12
Everett, A. MTWRF 09:25-11:50 AM 01/01 02/20-04/12
Phase one of a three-part course.
Additional fees for the Esthetician Kit are approximately $1416 plus a miscellaneous cost of $100. The Program Kit must be purchased on line from the Owl Bookshop 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.
31994 Bowen, K. MTWR 05:30-06:30 PM 01/01 02/19-06/15
Bowen, K. MTWR 06:40-07:55 PM 01/01 02/19-06/15
Phase one of a three-part course.
Additional fees for the Esthetician Kit are approximately $1416 plus a miscellaneous cost of $100. The Program Kit must be purchased on line from the Owl Bookshop 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.
31573 Hinojosa, J. MW 09:55-11:20 AM 01/01 02/19-06/15
LEARNING COMMUNITIES CLASS Requires enrollment in ENGL 099 CRN 31477

COS 199B Esthetician II 8 Units
Prerequisite: COS 199A.
Strongly recommended: READ 099 if required by reading placement exam or if required by reading level.
This course is phase two of the esthetician program. A basic course which includes state board preparedness, customized facial treatments, the study of the positions and combinations of tap. 18 lecture hours, 18 lab hours.
31003 Garcia, A. TR 09:55-11:20 AM 01/01 02/19-06/15

COUN 145 Career/Life Planning 3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
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

COUN 159 On Course to Success 3 Units
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 to learn, how to 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.
31571 Castillo, C. TR 09:55-11:20 AM 01/01 02/19-06/15
LEARNING COMMUNITIES CLASS Requires enrollment in ENGL 099 CRN 31489

COUN 160 Strategies for College Success 3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
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. CSU
UC
30794 McBurney, R. MW 11:30 AM-12:55 PM 01/01 02/19-06/15
31003 Garcia, A. TR 09:55-11:20 AM 01/01 02/19-06/15

Dance

DANC 159 Beginning Tap 1 Units
Designed to instruct students in the dance technique of beginning tap. This course may be taken four times. 18 lecture hours, 12 lab hours. CSU UC
30540 Valverde, Y. R 10:30-11:30 AM 01/01 02/19-06/15

DANC 162 Beginning Ballet 1 Units
Designed to instruct students in the dance technique of classical ballet. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU UC
30543 Allgaier, J. R 08:35 PM-09:40 PM 01/01 02/19-06/15

DANC 172 Composition in Group Forms 2 Units
Prerequisite: DANC 160, 161 or 162 or Audition.
A practical course guiding the student in choreographic structure, designed specifically for group forms. All movement exploration will be on the basis of ballet, jazz or modern dance technique. This course may be taken four times. 18 lecture hours, 54 lab hours. CSU UC
31891 Allgaier, J. S 11:30 AM-12:30 PM 01/01 02/19-06/15
Allgaier, J. S 12:30 PM-01:30 PM 01/01 02/19-06/15

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. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU UC
31549 Valverde, Y. R 10:15-11:10 AM 01/01 02/19-06/15

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626) 914-8844
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. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU UC

CRN Instructor             Days   Time                        Room    D CRN Instructor             Days   Time                        Room    D
30579 Valverde, Y. F 12:00 PM-12:50 PM VT 323 02/19-06/15
30578 Valverde, Y. F 01:00 PM-01:50 PM VT 323 02/19-06/15

DANC 272  Intermediate Ballet II  1 Units
Prerequisite: DANC 262 or Audition.
A course in the advanced techniques of classical ballet for the purpose of performance. More in-depth study of movement vocabulary centered on individual style, strength, and technique. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU UC

CRN Instructor             Days   Time                        Room    D CRN Instructor             Days   Time                        Room    D
30577 Allgaier, J. R 06:35 PM-07:40 PM VT 323 02/19-06/15
30579 Allgaier, J. R 06:35 PM-07:40 PM VT 323 02/19-06/15

DANC 281  Advanced Advanced Jazz Dance I  1 Units
Prerequisite: DANC 270 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. This course may be taken four times. 18 lecture hours, 36 lab hours. CSU UC

CRN Instructor             Days   Time                        Room    D CRN Instructor             Days   Time                        Room    D
30581 Valverde, Y. F 12:00 PM-12:50 PM VT 323 02/19-06/15
30578 Valverde, Y. F 01:00 PM-01:50 PM VT 323 02/19-06/15

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.

CRN Instructor             Days   Time                        Room    D CRN Instructor             Days   Time                        Room    D
30893 Pohl, C. F 08:30 AM-11:20 AM PC 223 02/19-06/15

First 8 Weeks

DENT 101  Chairside Assisting  3 Units
Prerequisite: Completion of, or concurrent enrollment required in, DENT 100.
This lecture/lab course provides preclinical instruction in four-handed dentistry techniques and prepares the student to assist a dentist at chairside. Content includes: the use and care of dental equipment, oral evacuation, instrument transfer, tray setups, infection control, preparation of anesthetic syringes, rubber dam, tofflemire matrix, cavity preparation, and rotary and hand instruments. Emphasis is placed on the responsibilities of a chairside dental assistant during general restorative procedures. 45 lecture hours, 72 lab hours.

CRN Instructor             Days   Time                        Room    D CRN Instructor             Days   Time                        Room    D
30895 Gonzales, R. MW 08:30 AM-11:20 AM PC 223 02/19-06/15
30898 Gonzales, R. R 03:15 PM-06:25 PM PC 215 02/19-06/15
30896 Gonzales, R. F 08:30 AM-11:55 PM PC 215 02/19-06/15

First 8 Weeks

DENT 102  Dental Materials  2.5 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.

CRN Instructor             Days   Time                        Room    D CRN Instructor             Days   Time                        Room    D
30900 Arredondo, D. MW 12:00 PM-02:10 PM PC 223 02/19-06/15
30902 Cusick, T. T 12:00 PM-05:05 PM PC 215 02/19-06/15
30906 Gonzales, R. W 02:20 PM-04:30 PM PC 215 02/19-06/15

First 8 Weeks

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 principles, instrumentation and procedures of various dental specialties with emphasis on the role of the auxiliary in each specialty. 36 lecture hours.

CRN Instructor             Days   Time                        Room    D CRN Instructor             Days   Time                        Room    D
30906 Amredondo, D. T 08:30 AM-10:35 AM PC 223 04/22-06/15
31979 Arredondo, D. W 02:30 PM-05:20 PM PC 223 04/22-06/15
31724 Pohl, C. T 08:00 AM-11:10 AM PC 223 04/22-06/15
30911 Cusick, T. T 03:00 PM-06:10 PM PC 223 04/22-06/15
30915 Parry, E. F 08:00 AM-11:10 PM PC 223 04/22-06/15

Second 8 weeks. Lecture section only. Lecture section also required.

DENT 201  Dental Radiology  2 Units
Prerequisite: DENT 100, DENT 101, and DENT 102.
This course encompasses the preclinical and clinical instruction in radiation safety, exposing, processing and mounting of radiographs utilizing traditional and digital methods. Student must be 18 years of age or older. 18 lecture hours, 54 lab hours.

CRN Instructor             Days   Time                        Room    D CRN Instructor             Days   Time                        Room    D
30915 Amredondo, D. M 08:00 AM-11:50 AM TC 230 04/22-06/15
30916 Pohl, C. W 08:00 AM-11:50 AM TC 229 04/22-06/15
30917 Arredondo, D. T 08:00 AM-10:00 PM PC 223 02/19-06/15
30918 Arredondo, D. R 12:00 PM-04:05 PM PC 215 02/19-06/15
30919 Arredondo, D. F 08:00 AM-10:10 PM PC 223 04/22-06/15
30913 Amredondo, D. T 12:30 PM-05:40 PM PC 223 04/22-06/15
30915 Parry, E. M 12:30 PM-05:40 PM PC 215 04/22-06/15
30915 Parry, E. F 08:00 AM-11:10 PM PC 223 04/22-06/15

Second 8 weeks. Lecture section only. Lecture section also required.

DENT 202  Registered Dental Assistant  4 Units
Prerequisite: DENT 101, DENT 102, DENT 121, 122, 123, and 124.
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This course provides preclinical and, where appropriate, clinical practice in the role of the dental assistant and the registered dental assistant under the jurisdiction of the California Dental Practice Act as specified by the rules and regulations of the Board of Dental Examiners. Emphasis is placed on the practical application of each task, competency of performance, demonstrated concern for patient safety, and an acquired background knowledge to support each duty. 60 lecture hours, 81 lab hours.

CRN Instructor             Days   Time                        Room    D CRN Instructor             Days   Time                        Room    D
30912 Pohl, C. M 08:00 AM-11:50 AM TC 230 04/22-06/15
30915 Pohl, C. M 08:00 AM-11:50 AM TC 229 04/22-06/15
31724 Pohl, C. T 08:00 AM-01:05 PM PC 215 04/22-06/15
30915 Arredondo, D. R 12:00 PM-04:50 PM PC 215 04/22-06/15
30913 Arredondo, D. M 12:30 PM-05:40 PM PC 223 04/22-06/15
30915 Parry, E. M 12:30 PM-05:40 PM PC 215 04/22-06/15
30915 Parry, E. F 08:00 AM-11:10 PM PC 223 04/22-06/15

Second 8 weeks. Lecture section only. Lecture section also required.

DENT 212  Preventive Dental Health  2 Units
Prerequisite: Completion of, or concurrent enrollment required in, DENT 100.
Fundamental skills involved in assessing the dental patient's health, the effect on dental treatment and the adjustments to dental treatment needed to protect the physical welfare of the patient. This class provides instruction on health history, vital signs, recognition and management of medical emergencies, nutrition, and pharmacology. 36 lecture hours.

CRN Instructor             Days   Time                        Room    D CRN Instructor             Days   Time                        Room    D
30904 Gonzales, R. T 01:00 PM-06:05 PM PC 223 02/19-06/15
31723 Gonzales, R. W 02:30 PM-06:45 PM PC 223 02/19-06/15

First 8 weeks

Register online at citruscollege.edu/ar WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626) 914-8800
### DENT 203  Dental Practice Experience  
5.5 Units  
Prerequisite: DENT 122, 124, and 201.  
This course provides the student with the opportunity for application and performance of acquired professional skills and allows the role of a chairside assistant in a dental school setting or private dental office. This course may be taken two times. Offered for Pass/No Pass grading only. 300 lab hours.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
<th>D</th>
</tr>
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<tbody>
<tr>
<td>30918</td>
<td>Arredondo, D.</td>
<td>HRS-ARRG</td>
<td>FD 02/19-06/15</td>
<td>PC 215</td>
<td></td>
</tr>
</tbody>
</table>

Mandatory orientation on Wednesday, February 13, 2013, from 8:00am to 5:00pm in PC 215.

### DENT 204  RDA Clinical Procedures  
1 Units  
Prerequisites: DENT 101, 102, 121, 122, and 124.  
This course covers those duties required for competence in the RDA: coronal polishing, pit & fissure sealants and mouth mirror inspection. 12 lecture hours, 28 lab hours.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
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<th>Room</th>
<th>D</th>
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<tbody>
<tr>
<td>30925</td>
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<td>W 12:30 PM-02:00 PM</td>
<td>TC 229</td>
<td>04/22-06/15</td>
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</table>

### ECON 101  Principles of Macroeconomics  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
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<th>Room</th>
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<tbody>
<tr>
<td>30801</td>
<td>Styles, C.</td>
<td>TR</td>
<td>09:55 AM-11:20 AM</td>
<td>LH 102</td>
<td>02/19-06/15</td>
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</tbody>
</table>

### ESCI 130  Physical Oceanography  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

<table>
<thead>
<tr>
<th>CRN</th>
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<tr>
<td>31014</td>
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</table>

### Earth Science  

<table>
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<tr>
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<th>Instructor</th>
<th>Days</th>
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<tbody>
<tr>
<td>31735</td>
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<td>LH 102</td>
<td>02/19-06/15</td>
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</table>

### DRAFT 101  Beginning Computer Aided Design (CAD)  
3 Units  
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

<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>30630</td>
<td>Yu, J.</td>
<td>TR</td>
<td>08:00 AM-08:50 AM</td>
<td>PC 304</td>
<td>02/19-06/15</td>
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</tbody>
</table>

### DRAFT 160  Intermediate Computer Aided Design (CAD)  
2.5 Units  
Strongly recommended: DRAFT 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.

<table>
<thead>
<tr>
<th>CRN</th>
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<tbody>
<tr>
<td>30645</td>
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<tr>
<td>30621</td>
<td>Au, S.</td>
<td>MW</td>
<td>06:00 PM-06:50 PM</td>
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</tbody>
</table>

### DRAFT 161  Advanced Computer Aided Design (CAD)  
2.5 Units  
Prerequisite: DRAFT 160.  
Recommended Skill: DRAFT 101.

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Time</th>
<th>Room</th>
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### ESCI 109  Physical Geology without Laboratory  
3 Units  

<table>
<thead>
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<td>LH 102</td>
<td>02/19-06/15</td>
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</tbody>
</table>

There are no other courses listed in the provided section.
### Schedule of Credit Classes - Spring 2013

**DISTANCE EDUCATION CLASS**

After registering go to www.citruscollege.edu/de

**ENGL 101 Reading and Composition**

3 Units

Prerequisite: Placement is based on multiple assessment measures or completion of ENGL 099 or ENGL 100 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

2013-04-15

<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>30494</td>
<td>Odegaard, E.</td>
<td>TR</td>
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<td>ED 205</td>
<td>02/19-06/15</td>
</tr>
<tr>
<td>30524</td>
<td>Amaya-Anderson, B. F</td>
<td>TR</td>
<td>09:45 AM-11:20 AM</td>
<td>ED 201</td>
<td>02/19-06/15</td>
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<tr>
<td>31986</td>
<td>Leano, E.</td>
<td>F</td>
<td>08:10 AM-11:20 AM</td>
<td>LB 304</td>
<td>02/19-06/15</td>
</tr>
<tr>
<td>30495</td>
<td>Villeneuve, A.</td>
<td>TR</td>
<td>09:45 AM-11:20 AM</td>
<td>LB 308</td>
<td>02/19-06/15</td>
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<td>30502</td>
<td>Resto-Ómoteotl, L.</td>
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<tr>
<td>30500</td>
<td>Loya, H.</td>
<td>MW</td>
<td>09:45 AM-11:20 AM</td>
<td>LB 305</td>
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</tr>
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</table>

**ENGL 098 English Fundamentals**

1 Units

This course focuses intensively on English fundamentals including grammar, spelling, and basic literacy skills such as decoding, vocabulary acquisition, and literal comprehension. 18 lab hours, 36 lab hours arranged.

<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>31781</td>
<td>Enna, D.</td>
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<td>02/19-06/15</td>
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<tr>
<td>31780</td>
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<td>ED 224</td>
<td>02/19-06/15</td>
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<tr>
<td>31782</td>
<td>Enna, D.</td>
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<td>ED 224</td>
<td>02/19-06/15</td>
</tr>
<tr>
<td>31784</td>
<td>Enna, D.</td>
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<td>ED 224</td>
<td>02/19-06/15</td>
</tr>
<tr>
<td>31785</td>
<td>Enna, D.</td>
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<td>02/19-06/15</td>
</tr>
<tr>
<td>31786</td>
<td>Enna, D.</td>
<td>TR</td>
<td>09:45 AM-11:20 AM</td>
<td>ED 224</td>
<td>02/19-06/15</td>
</tr>
</tbody>
</table>

**ENGL 102 Introduction to Literature**

3 Units

Prerequisite: ENGL 101 or ENGL 101H or ESL 101.

Exploration of culturally diverse literary tests in multiple genres that express a variety of historical, geographical, and cultural perspectives. Development of critical thinking skills including analysis and interpretation leading to compositions in which cross-cultural awareness is emphasized. 54 lecture hours.

CSU UC

2013-04-15

<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>30078</td>
<td>Telesca, L.</td>
<td>MW</td>
<td>08:20 AM-09:45 AM</td>
<td>LB 304</td>
<td>02/19-06/15</td>
</tr>
</tbody>
</table>

**EMER 164 Managing Hazardous Materials Incidents**

3 Units

This course provides an introduction to hazardous materials and management. This course provides an introduction to hazardous materials and management. The problems they pose; and how to begin a safe and effective response to a Hazmat incident. Upon successful completion of the course students are eligible to sit for the California State Specialized Training Institute (CSTI) certification examination.

<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>31949</td>
<td>Dougall, N.</td>
<td>HRS-ARRG</td>
<td>08:20 AM-09:45 AM</td>
<td>ED 224</td>
<td>02/19-06/15</td>
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<td>31950</td>
<td>Dougall, N.</td>
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<td>08:20 AM-09:45 AM</td>
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<tr>
<td>31951</td>
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<td>02/19-06/15</td>
</tr>
</tbody>
</table>

**ENRC 098 Communication Fundamentals**

1 Units

This course focuses intensively on English fundamentals including grammar, spelling, and basic literacy skills such as decoding, vocabulary acquisition, and literal comprehension. 18 lab hours, 36 lab hours arranged.

<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>31781</td>
<td>Enna, D.</td>
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<td>ED 224</td>
<td>02/19-06/15</td>
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<td>31780</td>
<td>Enna, D.</td>
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<td>09:45 AM-11:20 AM</td>
<td>ED 224</td>
<td>02/19-06/15</td>
</tr>
<tr>
<td>31782</td>
<td>Enna, D.</td>
<td>TR</td>
<td>09:45 AM-11:20 AM</td>
<td>ED 224</td>
<td>02/19-06/15</td>
</tr>
<tr>
<td>31784</td>
<td>Enna, D.</td>
<td>TR</td>
<td>09:45 AM-11:20 AM</td>
<td>ED 224</td>
<td>02/19-06/15</td>
</tr>
<tr>
<td>31785</td>
<td>Enna, D.</td>
<td>TR</td>
<td>09:45 AM-11:20 AM</td>
<td>ED 224</td>
<td>02/19-06/15</td>
</tr>
<tr>
<td>31786</td>
<td>Enna, D.</td>
<td>TR</td>
<td>09:45 AM-11:20 AM</td>
<td>ED 224</td>
<td>02/19-06/15</td>
</tr>
</tbody>
</table>

**Microeconomics**

3 Units

Prerequisite: ENGL 101 or ENGL 101H or ESL 101.

Exploration of economically diverse literary tests in multiple genres that express a variety of historical, geographical, and cultural perspectives. Development of critical thinking skills including analysis and interpretation leading to compositions in which cross-cultural awareness is emphasized. 54 lecture hours.

<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>30078</td>
<td>Telesca, L.</td>
<td>MW</td>
<td>08:20 AM-09:45 AM</td>
<td>LB 304</td>
<td>02/19-06/15</td>
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</table>
ENGL 103 Composition and Critical Thinking 3 Units
Prerequisite: Completion of ENGL 101 or ENGL 101H with a min. grade of C.
This 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

ENGL 104 Advanced Rhetoric: The Classical Essay 3 Units
Prerequisite: ENGL 101.
In this course, students will develop critical thinking, writing, and research skills beyond the ENGL 101 level by examining and modeling complex classical methods of invention, arrangement, and style for writing assignments. Students will read and critically evaluate (for meaning, purpose, strategy and style) expository and argumentative essays from classical sources and multi-cultural perspectives. Students will test prejudices they hold, prove or disprove a hypothesis, evaluate the opinions of others, explain the effect of the media, and attempt to synthesize opposing arguments on an issue through critical thinking. Meets the IGETC critical thinking requirement. 54 lecture hours. CSU UC

ENGL 262 Introduction to U. S. American Literature II 3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
Students will explore the context and influence of American literature from the Civil War to the present. Students examine specific literary works and their contributions to our culture, the continuation of traditional themes and the emergence of new forms and themes. 54 lecture hours. CSU UC

ENGL 272 Introduction to World Literature: 1600's through Twentieth Century 3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
English 272 is the study of world literature in translation from the early modern period to the twentieth century. This course emphasizes the development of literary expression and explores literature within the context of the culture and time in which works were written. This course examines the relationship between historical events and literary works and the impact of works on their age and ensuing eras. 54 lecture hours. CSU UC

ENGL 293 Children's Literature 3 Units
Strongly recommended: ENGL 101 or 103. Also, ENGL 099 or READ 099 if required by English placement or if required by English level. This honors course is designed to give the student a knowledge and an appreciation of children's books, both fiction and non-fiction. Special emphasis is given to the quality of writing and illustration of award-winning books and selected classics. 54 lecture hours. CSU UC

ENGL 293H Children's Literature - Honors 3 Units
Strongly recommended: ENGL 101 or 103. Also, ENGL 099 or READ 099 if required by English placement or if required by English level.
This honors course is designed to give the student a knowledge and an appreciation of children's books, both fiction and non-fiction. Critical analysis of such works from various perspectives is emphasized through research and written analysis. Special emphasis is given to the quality of writing and illustration of award-winning books and selected classics. 54 lecture hours. CSU UC

ENGL 298 Literature of the Bible 3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
Reading and discussion of selected books from English translations of the Old and New Testaments. Emphasis is on the religious, social, political ideas, literary qualities, and textual problems. 54 lecture hours. CSU UC

ESL 024 Reading/Vocabulary II 2 Units
Prerequisite: Placement is based on multiple assessment measures. A reading and vocabulary course for low-intermediate ESL students. The course is designed to help students expand their vocabulary through oral and written practice and improve their reading comprehension. One of three core courses in ESL Level 2. 36 lecture hours.

NOTE: THE UNITS FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION.
## Schedule of Credit Classes - Spring 2013

### CRN Instructor Days Time Room D

#### ESL 026 Grammar Fundamentals II
2 Units

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
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<th>D</th>
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<tbody>
<tr>
<td>31879</td>
<td>Tucker, C.</td>
<td>MW</td>
<td>11:30 AM-12:35 PM</td>
<td>ED 201</td>
<td>02/19-04/13</td>
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<tr>
<td></td>
<td>Tucker, C.</td>
<td>TR</td>
<td>11:30 AM-12:20 PM</td>
<td>ED 201</td>
<td>02/19-04/13</td>
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<tr>
<td></td>
<td>Tucker, C.</td>
<td>F</td>
<td>10:00 AM-11:05 AM</td>
<td>ED 231</td>
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First 8 weeks - Requires enrollment in second 8 weeks ESL 036 CRN #31684.

#### ESL 030 English Language Skills III
3 Units

<table>
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<tbody>
<tr>
<td>30211</td>
<td>Tucker, C.</td>
<td>TRW</td>
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<td>ED 201</td>
<td>02/19-04/13</td>
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<td></td>
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<td>11:15 AM-12:20 PM</td>
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<td>02/19-04/13</td>
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First 8 weeks - Requires enrollment in second 8 weeks ESL 036 CRN #30216.

#### ESL 034 Reading/Vocabulary III
2 Units

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<th>Days</th>
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<th>D</th>
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<tr>
<td>30212</td>
<td>Guebert, T.</td>
<td>TRW</td>
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<td>AN 101</td>
<td>02/19-04/13</td>
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<td>Guebert, T.</td>
<td>TR</td>
<td>09:55 AM-10:45 AM</td>
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<td>02/19-04/13</td>
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First 8 weeks - Requires enrollment in second 8 weeks ESL 044 CRN #30226.

#### ESL 036 Grammar Fundamentals III
2 Units

<table>
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<th>Time</th>
<th>Room</th>
<th>D</th>
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<td>02/19-04/13</td>
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<td>Tucker, C.</td>
<td>TR</td>
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<td>ED 201</td>
<td>02/19-04/13</td>
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<tr>
<td></td>
<td>Tucker, C.</td>
<td>F</td>
<td>10:00 AM-11:05 AM</td>
<td>ED 231</td>
<td>02/19-04/13</td>
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First 8 weeks - Requires enrollment in second 8 weeks ESL 044 CRN #30227.

#### ESL 044 Reading Vocabulary IV
2 Units

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<th>Time</th>
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<td>02/19-04/13</td>
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<td>TR</td>
<td>09:55 AM-11:00 AM</td>
<td>ED 201</td>
<td>02/19-04/13</td>
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First 8 weeks - Requires enrollment in second 8 weeks ESL 056 CRN #30237.

#### ESL 046 Grammar Review I
2 Units

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<th>Days</th>
<th>Time</th>
<th>Room</th>
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<tbody>
<tr>
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<td>TR</td>
<td>11:30 AM-12:20 PM</td>
<td>AN 101</td>
<td>02/19-04/13</td>
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<td>Guebert, T.</td>
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<td>10:00 AM-11:05 AM</td>
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First 8 weeks - Requires enrollment in second 8 weeks ESL 056 CRN #30238.

#### ESL 053 Bridge to College Literature
2 Units

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<th>Instructor</th>
<th>Days</th>
<th>Time</th>
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<td>ED 201</td>
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First 8 weeks - Requires enrollment in second 8 weeks ESL 060 CRN #30231.

#### ESL 054 Bridge to College Literature
2 Units

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First 8 weeks - Requires enrollment in second 8 weeks ESL 060 CRN #30232.

#### ESL 040 English Language Skills IV
3 Units

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<td>02/19-04/13</td>
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Fast Track second 8 weeks.
## Schedule of Credit Classes - Spring 2013

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

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<tr>
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<th>Instructor</th>
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<th>Room</th>
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<tr>
<td><strong>ESL 054</strong></td>
<td>Bridge to College Reading</td>
<td>2 Units</td>
<td>Preerequisite: 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. 36 lecture hours. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION.</td>
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<tr>
<td><strong>ESL 056</strong></td>
<td>Grammar Review II</td>
<td>2 Units</td>
<td>Preerequisite: 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, modals and phrasal verbs, and subordinate clauses. 36 lecture hours, 9 lab hours. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION.</td>
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<td><strong>ESL 100</strong></td>
<td>Fundamentals of Composition</td>
<td>4 Units</td>
<td>Preerequisite: 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.</td>
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### Ethnic Studies

#### ETHN 101 Introduction to Ethnic Studies

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<tr>
<th>CRN</th>
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<td>31548</td>
<td>Klien, M.</td>
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<td>30894</td>
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<td>Rickman, T.</td>
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<td>31838</td>
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<td>Randolph, S.</td>
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### Forestry

#### FOR 101 Introduction to Forestry

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### German

#### GER 101 German I

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#### GER 102 German II

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### Health Occupations

#### HEAL 100 Emergency Medical Services Career Preparation

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<td>TC 127</td>
<td>02/19-06/15</td>
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</tbody>
</table>

### Register online at citruscollege.edu/ar WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626) 18
## Schedule of Credit Classes - Spring 2013

### CRN Instructor | Days | Time | Room | D
--- | --- | --- | --- | ---
HEAL 161 Emergency Medical Technician - Basic | 7 Units
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 entry-level course in emergency training for those involved in Emergency Medical Services. 108 lecture hours, 54 lab hours.
31622 Hadsell, C. MW 08:15 PM-09:40 PM TC 230 02/19/06/15
Lab section only. Lecture section also required.

### History

#### HIST 103 History of World Civilization up to 1500 C.E.
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. College level reading is strongly advised. 54 lecture hours. CSU UC
30810 Lubisich, S. MW 08:20 AM-09:45 AM LB 302 02/19/06/15
30811 Lubisich, S. MW 09:55 AM-11:20 AM LB 303 02/19/06/15
30812 Lubisich, S. TR 01:05 PM-02:30 PM LB 103 02/19/06/15
31025 Lewis, D. TR 03:50 PM-05:15 PM LB 103 02/19/06/15
30813 Lubisich, S. HRS-ARRG DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de
Mandatory Orientation on Tuesday, February 19, 2013, from 5:00 - 6:30 pm in LB 103. Students who fail to attend the orientation will be dropped from the course.
30814 Lubisich, S. HRS-ARRG DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de
Second 8 weeks
Mandatory Orientation on Tuesday, April 23, 2013, from 5:00 - 6:30 pm in LB 105. Students who fail to attend the orientation will be dropped from the course.

#### HIST 104 History of World Civilization since 1500
3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
The course offers a survey of world civilizations from 1500's regional isolation to modern-day globalism and its issues and problems. Consideration will be given to the political, economic, social, and intellectual forces present in the rise of the modern world. Particular focus will be given to the interrelatedness of historical events and on the comparisons of cultures and societies in a historical perspective. College level reading is strongly advised. 54 lecture hours. CSU UC
30816 Lubisich, S. TR 11:30 AM-12:55 PM LB 302 02/19/06/15
30817 Lubisich, S. HRS-ARRG DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de
Mandatory Orientation on Tuesday, February 19, 2012, from 6:30 - 8:30 pm in LB 103. Students who fail to attend the orientation will be dropped from the course.

#### HIST 107 History of the United States before 1877
3 Units
Strongly recommended: ENGL 099 or ENGL 100 if required by English placement exam or if required by English level.
A survey of the political, economic and social development of the United States to 1877. This course meets the State requirement for American history and is designed for college transfer students. 54 lecture hours. CSU UC
32008 Nelson, S. M 07:00 PM-10:10 PM LB 105 02/19/06/15
30821 Zarate, E. TR 03:50 PM-05:15 PM LB 303 02/19/06/15
31244 Woolsey, R. W 07:00 PM-10:10 PM LB 104 02/19/06/15
31242 Culp, J. T 03:40 PM-06:50 PM LB 302 02/19/06/15
30837 Waddington, B. HRS-ARRG DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de
Second 8 weeks

#### HIST 108 History of the United States since 1877
3 Units
Strongly recommended: ENGL 099 or ENGL 100 if required by English placement exam or if required by English level.
A survey of political, economic, diplomatic, and social development of the U.S. from 1876 to the present. This course meets the State requirement for American history and is designed for college transfer students. 54 lecture hours. CSU UC
31245 Culp, J. TR 01:05 PM-02:30 PM HH 754 02/19/06/15
31248 Woolsey, R. W 03:40 PM-06:50 PM LB 102 02/19/06/15
30834 Woolsey, R. W 07:00 PM-10:10 PM LB 104 02/19/06/15
31242 Culp, J. T 03:40 PM-06:50 PM LB 302 02/19/06/15
30837 Waddington, B. HRS-ARRG DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de
Second 8 weeks

### Humanities

#### HIST 109 The World in conflict - The 20th Century, a History
3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
A critical approach to the history of the 20th Century through major events and issues. 54 lecture hours. CSU UC
31973 McGarry, M. F 08:10 AM-11:20 AM LB 104 02/19/06/15

#### HIST 130 Latin American Culture and Civilization
3 Units
Strongly recommended: ENGL 099 or ENGL 100 if required by English placement exam or if required by English level.
Latin American Culture and Civilization is a survey course, providing an interdisciplinary approach to understanding the culture and history of Latin America. The course critically analyzes historical and contemporary social traditions and institutions in order to reach an understanding of modern day Latin America. 54 lecture hours. CSU UC
31859 McGarry, A. MW 01:05 PM-02:30 PM LB 106 02/19/06/15

#### HIST 132 History of Modern Latin America
3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
Other: Students who have previously taken HIST 130 may not receive credit for this course.
The course is a survey of the social, economic and political history of Latin America from independence to the present. The legacy of colonialism will be considered as special emphasis is given to the development of cultural, political, and economic institutions. The course will give attention to the relationships between Latin America and the United States foreign policy. 54 lecture hours. CSU UC
31746 Zarate, E. TR 05:25 PM-06:50 PM LB 303 02/19/06/15

#### HIST 139 History of California
3 Units
Strongly recommended: READ 099 or ENGL 099 or ENGL 100 if required by English placement exam or if required by English level.
A survey of the political, social and economic development of the State of California from early Pre-Columbian American Indian communities and Spanish settlements to the present. 54 lecture hours. CSU UC
31235 Culp, J. R 03:40 PM-06:50 PM LB 302 02/19/06/15

#### HIST 155 History of the Vietnam War
3 Units
Strongly recommended: READ 099 or ENGL 099 or ENGL 100 if required by English placement exam or if required by English level.
An examination of the background and involvement of America in the Vietnam War. The course will primarily focus on the American involvement in Southeast Asia, but will also examine the origins of Vietnamese nationalism and the struggle for independence in Vietnam and its global implications and manifestations. A Cold War framework developed early in the course will be utilized to understand U.S. involvement in the Vietnam War. The course will conclude with an assessment of the long term effects of the Vietnam War on American society and the rest of the world. 54 lecture hours. CSU UC
31756 Sohime, B. HRS-ARRG DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/de
Second 8 weeks
<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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</tr>
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<tbody>
<tr>
<td>31428</td>
<td>Gunstream, M.</td>
<td>M</td>
<td>06:00 PM-07:15 PM</td>
<td>PE 102</td>
<td>02/19/16/02</td>
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<td>R</td>
<td>07:25 AM-08:40 PM</td>
<td>PE 102</td>
<td>02/19/16/02</td>
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<td>31861</td>
<td>Shaw, N.</td>
<td>T</td>
<td>12:15 PM-01:20 PM</td>
<td>AP 110</td>
<td>02/19/16/02</td>
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<td>31861</td>
<td>Shaw, N.</td>
<td>R</td>
<td>12:15 PM-01:20 PM</td>
<td>AP 110</td>
<td>02/19/16/02</td>
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</tbody>
</table>

### Kinesiology - Aquatics

**KIN 135 Volleyball**
1 Units

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

### Kinesiology - Fitness

#### KIN 145 Strength Training, Balance and Agility
1 Units

- **Course Description:** Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
- **Course Information:** This course is designed to develop knowledge and skill in competitive swimming strokes. Swimming strokes to be taught are the freestyle, back stroke, breast stroke, and dolphin butterfly. The class will emphasize the development of cardiovascular aerobic conditioning. 18 lecture hours, 18 lab hours. CSU UC

#### KIN 147 Swimming for Cardiovascular Improvement
1 Units

- **Course Description:** Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
- **Course Information:** This course will emphasize swimming for health and physical fitness. The class is designed to decrease the risk of coronary heart disorders by increasing heart efficiency, vital lung capacity, and the knowledge of each through the use of aerobic and anaerobic conditioning. Participating adults and others seeking a fitness program may expect to improve their overall fitness level through aquatic training. 18 lecture hours, 18 lab hours. CSU UC

### Information Technology

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

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

### Japanese

**JPN 102 Japanese II**
5 Units

- **Course Description:** Prerequisite: JPN 101 or two years of high school Japanese.
- **Course Information:** A further study of elementary Japanese grammar and vocabulary which develops understanding, speaking, reading, and writing skills. Includes additional study of Japanese culture. 90 lecture hours. CSU UC

### Kinesiology - Activities

#### KIN 108 Tennis
1 Units

- **Course Description:** Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
- **Course Information:** 18 lecture hours, 18 lab hours. CSU UC

#### KIN 116 Yoga
1 Units

- **Course Description:** 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
KIN 150  Adapted Physical Education  1 Units
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 the instructor's permission... 18 lecture hours, 36 lab hours. CSU UC

31437 Hartman, S. M 11:45 AM-12:50 PM AP 109 02/19-06/09
Hartman, S. T 09:50 AM-10:55 AM AP 109 02/19-06/09

Recommended for disabled students.

KIN 151  Body Conditioning  1 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
This course will include general conditioning exercises, aerobic exercises, and exercises to develop flexibility and strength. 18 lecture hours, 18 lab hours. CSU UC

31430 Gunstream, M. MW 09:35 AM-10:40 AM AP 110 02/19-04/06
Gunstream, M. TR 09:35 AM-10:40 AM AP 110 02/19-04/06

First 7 weeks

31694 Shaw, N. MW 07:00 AM-08:05 AM AP 110 04/22-06/09
Shaw, N. TR 07:00 AM-08:05 AM AP 110 04/22-06/09

Late Start Class.

KIN 152  Weight Training  1 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
This course is designed to develop both the large and small group skeletal muscles through a program of weight lifting, circuit training, power lifting, Olympic lifting, and conditioning. This course may be taken four times with the objective of improving proficiency in previously learned skills by further repetition and supervised instruction. A student may not earn more than four units through the combination of KIN 152 and KIN 154. 18 lecture hours, 18 lab hours. CSU UC

31830 Merandi, M. M 10:40 AM-11:45 AM PE 101 02/19-06/02
Merandi, M. W 10:40 AM-11:45 AM PE 101 02/19-06/02
31829 Merandi, M. M 12:05 PM-01:10 PM PE 101 02/19-06/02
Merandi, M. W 12:05 PM-01:10 PM PE 101 02/19-06/02
31422 Gomez, S. T 08:20 AM-09:25 AM PE 101 02/19-06/02
Gomez, S. R 08:20 AM-09:25 AM PE 101 02/19-06/02

KIN 153  Walking/Jogging  1 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
A Walking/Jogging program that consists of activity alternately at a slow to moderate pace. This program is designed to build cardiorespiratory stamina and endurance, attack excessive weight, relieve psychological tension, and enhance one's sense of well being. 18 lecture hours. 18 lab hours. CSU UC

31896 Hartman, S. M 09:00 AM-10:05 AM PE ST 02/19-06/02
Hartman, S. W 09:00 AM-10:05 AM PE ST 02/19-06/02
31417 Brawner, M. MT 11:30 AM-12:35 PM PE ST 02/19-04/06
Brawner, M. WR 11:30 AM-12:35 PM PE ST 02/19-04/06

First 8 weeks

KIN 156A  Physical Conditioning for Intercollegiate Sports  1 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
Other: Must be a varsity college athlete/varsity college prospect or with coach's permission.
This course is designed to provide an out-of-season physical conditioning program for the student interested in intercollegiate athletics. KIN 156A and KIN 156B can be taken a combined total of four times. Students must provide a current copy of a physical to the athletic trainers prior to participation. 9 lecture hours, 27 lab hours. CSU UC

31465 McDonald, T. TR 06:30 AM-07:20 AM PE 102 02/19-04/14
McDonald, T. MWF 03:30 PM-04:20 PM PE 102 02/19-04/14

Varsity Athletics: Men's and Women's Basketball
Team taught: McDonald, Victor

First 8 weeks

KIN 159  Cardiovascular Training  1 Units
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

31827 Gunstream, M. M 08:00 AM-09:10 AM AP 109 02/19-06/02
Gunstream, M. W 08:00 AM-09:10 AM AP 109 02/19-06/02
31834 Merandi, M. M 09:15 AM-10:20 AM AP 109 02/19-06/02
Merandi, M. W 09:15 AM-10:20 AM AP 109 02/19-06/02
31828 Gunstream, M. T 08:00 AM-09:05 AM AP 109 02/19-06/02
Gunstream, M. R 08:00 AM-09:05 AM AP 109 02/19-06/02
31831 Merandi, M. T 01:05 PM-02:10 PM AP 109 02/19-06/02
Merandi, M. R 01:05 PM-02:10 PM AP 109 02/19-06/02

Kinesiology - Pro Prep

KIN 169  Introduction to Coaching  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
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

31445 Merandi, M. TR 09:55 AM-11:20 AM AQ 100 02/19-06/15

KIN 170  Fitness for Life  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
This course explains the mechanics of a proper exercise and diet program through lecture and exercise activities. Various forms of exercise will be presented for trial by each student to develop a personal fitness prescription. 54 lecture hours. CSU UC

31455 Rodriguez, T. TR 11:30 AM-12:55 PM PE 138 02/19-06/15

KIN 171  Health Science  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement exam or if required by English level.
This course is designed to explore the major areas of health that will have an effect on the well-being of the individual now and in the future. 54 lecture hours. CSU UC

31446 Merandi, M. MW 01:30 PM-02:55 PM AQ 100 02/19-06/15
31984 Boxley, J. TR 08:20 AM-09:45 AM AQ 100 02/19-06/15
31447 Merandi, M. TR 11:30 AM-12:55 PM AQ 100 02/19-06/15
31458 Gunstream, M. TR 01:05 PM-02:30 PM PE 140 02/19-06/15
31441 Hartman, S. TR 05:00 PM-06:50 PM PE 140 02/19-06/15

DISTANCE EDUCATION HYBRID CLASS After registering go to www.citruscollege.edu/dde
Class will meet on campus every Tuesday 5:00 p.m. - 5:50 p.m. in PE 140. Online work also required.

KIN 173  Nutrition for Fitness  3 Units
This course is designed to provide knowledge about the basic principles of nutrition and to study the role nutrition plays in health promotion. 54 lecture hours. CSU UC

31459 Shaw, N. MW 08:20 AM-09:45 AM PE 138 02/19-06/15
31423 Gomez, S. TR 08:20 AM-09:45 AM PE 140 02/19-06/15
32020 Shaw, N. HRS-ARRG 02/19-06/15

DISTANCE EDUCATION CLASS After registering go to www.citruscollege.edu/dde
Second 8 weeks

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626) 914-8833
**Schedule of Credit Classes - Spring 2013**

**CRN** | **Instructor** | **Days** | **Time** | **Room** | **D**
---|---|---|---|---|---
**KIN 175** | Introduction to Individual and Dual Sports | 3 Units

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

A course of study to give the student entering the field of physical education a survey and basic analysis of individual sports: archery, badminton, bowling, golf, handball, karate, angling, skateboarding, swimming, tennis, track and field, weightlifting and wrestling. 54 lecture hours. CSU UC

Class team taught: Brawner, Wurst

31421 Brawner, M. | MW 06:20 AM-09:45 AM | AQ 100 | 02/19-06/15

**KIN 176** | Elementary School Physical Education | 3 Units

An introductory course that will acquaint students with physical education programs for grades K-6. The course will include observation and visitation with elementary age students. The course will include methods, skills, and activities used in teaching elementary physical education. The class is recommended for elementary education and physical education majors. 54 lecture hours. CSU

31413 Boxley, J. | TR 09:55 AM-11:20 AM | PE 140 | 02/19-06/15

**KIN 207A** | Off-Season Men's Varsity Athletics | .5 Units

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

This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity athletics. KIN 207A and KIN 207B can be taken a combined total of four times. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. 45 lab hours. CSU

31462 Bruce-Oliver, F. | MTWR 03:00 PM-05:25 PM | PE 102 | 02/19-04/28

Varsity Athletics: Men's Soccer & Men's Water Polo.

Class team taught: Bruce-Oliver, Staff.

**KIN 208A** | Off-Season Women's Varsity Athletics | .5 Units

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

This course provides intermediate and advanced instruction and practice in the skills and strategies of varsity athletics. KIN 208A and KIN 208B can be taken a combined total of four times. Students in this course must provide a current copy of a physical to the athletic trainers prior to participation. 45 lab hours. CSU

31463 Jung, S. | MTWR 07:00 AM-08:05 AM | AQ POOL | 02/19-04/28

Varsity Athletics: Women's Soccer, Women's Volleyball, Women's Water Polo.

Class team taught: Dorman, Jung, Silva.

**KIN 214** | Women's Varsity Softball | 2 Units

Strongly recommended: Advanced softball skills to participate in a competitive collegiate experience.

Intercollegiate competition in women's varsity softball. 160 lab hours. CSU UC

31416 Boxley, J. | MTWRF 02:00 PM-04:10 PM | PE SF | 02/19-06/02

Recommended for student athletes: Softball

Course does not have Waitlist.

**KIN 224** | Men's Varsity Baseball | 2 Units

Strongly recommended: Advanced baseball skills to participate in a competitive collegiate experience.

Intercollegiate competition in men's varsity baseball. 160 lab hours. CSU UC

31426 Gomez, S. | MTWRF 02:00 PM-04:10 PM | PE BF | 02/19-06/02

Recommended for student athletes: Baseball

Course does not have waitlist.

**Leadership**

**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. CSU UC

31530 Thompson, A. | W 06:00 PM-09:05 PM | LB 307 | 02/19-06/15

**Math**

**MATH 020** | Arithmetic Fundamentals | 1 Units

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

31517 Odrich, S. | MW 01:05 PM-02:30 PM | MA 127 | 02/19-06/15

31519 Odrich, S. | MW 11:30 AM-12:55 PM | MA 127 | 02/19-06/15

31521 Odrich, S. | MW 03:05 PM-05:15 PM | MA 127 | 02/19-06/15

31523 Odrich, S. | MW 07:00 PM-08:25 PM | MA 127 | 02/19-06/15

31518 Odrich, S. | TR 01:05 PM-02:30 PM | MA 127 | 02/19-06/15

31520 Odrich, S. | TR 11:30 AM-12:55 PM | MA 127 | 02/19-06/15

31522 Odrich, S. | TR 07:00 PM-08:25 PM | MA 127 | 02/19-06/15

31524 Odrich, S. | TR 03:50 PM-05:15 PM | MA 127 | 02/19-06/15

**MATH 029** | Pre-Algebra | 4 Units

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 TOWARDS THE 60 UNITS FOR GRADUATION.

31521 Low, J. | TR 01:05 PM-03:10 PM | MA 223 | 02/19-06/15

31528 Low, J. | MW 10:40 AM-12:45 PM | MA 230 | 02/19-06/15

31302 Low, J. | TR 08:00 AM-10:25 AM | MA 230 | 02/19-06/15

30109 Paek, H. | MW 01:05 PM-03:10 PM | MA 125 | 02/19-06/15

30032 Tseng, K. | TR 05:25 PM-07:50 PM | MA 223 | 03/04-06/15

**Late Start Class**

31547 Stevenson, M. | MTWR 01:05 PM-02:15 PM | PS 106 | 02/19-05/30

31948 Stevenson, M. | MTWR 02:30 PM-03:40 PM | PS 106 | 02/19-05/30

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626)
### MATH 030 Elementary Algebra
Prerequisite: Placement is based on multiple assessment measures or completion of MATH 029 with min. grade of C.

- **31771** Guiterrez, J. MTWR 07:00 AM-08:10 AM MB 105 02/19-06/15
- **31770** Gong, C. MTWR 09:40 AM-10:50 AM MB 126 02/19-06/15
- **31774** Guiterrez, J. MTWR 10:00 AM-11:10 AM MB 105 02/19-06/15
- **31777** Gong, C. MTWR 11:10 AM-12:20 PM MB 126 02/19-06/15
- **31775** Tussiy, A. MTWR 11:30 AM-12:40 PM MB 222 02/19-06/15
- **31962** Berberyan, T. MTWR 11:30 AM-12:40 PM MB 125 02/19-06/15
- **31783** Low, J. MW 06:30-08:30 AM MB 230 02/19-06/15
- **31782** Nguyen, T. MW 05:55 PM-08:25 PM MB 206 02/19-06/15
- **31778** Paek, H. TR 01:05 PM-03:15 PM MB 125 02/19-06/15
- **31761** Medrano, E. TR 01:05 PM-03:15 PM MB 109 02/19-06/15
- **31780** Medrano, E. TR 01:05 PM-03:15 PM MA 109 02/19-06/15
- **31781** Medrano, E. TR 01:05 PM-03:15 PM PC 303 02/19-06/15
- **31784** Cheng, T. TR 06:00 PM-08:30 PM MB 206 02/19-06/15
- **31787** Trad, M. HRS-ARRG 02/19-06/15
- **31867** Kassam, S. HRS-ARRG 02/19-06/15

### MATH 131 Plane Geometry
Prerequisite: MATH 030 or placement is 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
Prerequisite: MATH 030 or placement is based on multiple assessment measures.

- Real number properties, first degree equations and inequalities, absolute value equations and inequalities, formuals, 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.

### MATH 151 Plane Trigonometry
Prerequisite: MATH 131 or high school Geometry, and MATH 149 or MATH 150 or placement is based on multiple assessment measures.

- Functions, the trigonometric functions: their graphs and identities, laws of sines and cosines, solutions of triangles, trigonometric equations, inverse trigonometric functions, polar coordinates, DeMoivre's Theorem. 72 lecture hours.
  - **31902** Ogmachi, T. MW 05:45 PM-07:50 PM MA 109 02/19-06/15
  - **31903** Ogmachi, T. MW 08:00 PM-10:05 PM MA 109 02/19-06/15
  - **30339** Reagan, D. TR 10:35 AM-12:40 PM MA 230 02/19-06/15
  - **30340** Leung, S. TR 03:45 PM-05:50 PM MA 230 02/19-06/15
  - **30338** Zhuang, Y. TR 01:05 PM-03:10 PM MA 108 02/19-06/15

### MATH 160 Survey of Mathematics
Prerequisite: MATH 149 or MATH 150 or placement is based on multiple assessment measures.

- A course in mathematical concepts for the liberal arts student. Topics include sets and logic, problem solving, numeration systems, consumer applications, geometry, probability, statistics, and computer applications. 72 lecture hours.
  - **30341** Nguyen, T. MW 03:45 PM-05:55 PM MA 207 02/19-06/15

### MATH 162 Introductory Mathematical Analysis
Prerequisite: MATH 149 or 150 or placement is based on multiple assessment measures.

- Concepts of function and limits: applied calculus emphasizing techniques of integration and differentiation with applications in social and life sciences, business administration, economics, and engineering technology. 72 lecture hours.
  - **30342** Paek, H. MW 04:25 PM-06:30 PM MA 125 02/19-06/15
  - **32015** Tseng, K. MTWR 08:00 AM-09:15 AM MA 206 03/04-06/15

### 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.
  - **31868** Tippins, R. HRS-ARRG 03/18-06/15
  - **31869** Gonzalez, R. MW 07:00 PM-09:05 PM MB 230 02/19-06/15
  - **32007** Gillette, C. MW 06:00 PM-08:05 PM MA 124 02/19-06/15

### 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.
  - **31323** Chun, M. MW 08:20 AM-10:25 AM MA 124 02/19-06/15
  - **31314** Tippins, R. MW 01:05 PM-03:10 PM MA 222 02/19-06/15
  - **30387** Chun, M. TR 08:20 AM-10:25 AM MA 126 02/19-06/15
  - **30390** Tippins, R. HRS-ARRG 02/19-06/15

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

23
AUDITION REQUIRED. This course does not have a waitlist.

MATH 175 Pre-Calculus 4 Units
Prerequisite: MATH 151 or placement 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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<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<td>10:35 AM-12:40 PM</td>
<td>MA 124</td>
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<td>30399</td>
<td>Scott, C.</td>
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<td>06:25 PM-08:30 PM</td>
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<td>31958</td>
<td>Kassab, M.</td>
<td>F</td>
<td>07:15 AM-11:30 AM</td>
<td>MA 109</td>
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<tr>
<td>32002</td>
<td>Jahan, F.</td>
<td>TR</td>
<td>10:55 AM-01:00 PM</td>
<td>PC 303</td>
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</tbody>
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MATH 190 Calculus with Analytic Geometry I 4 Units
Prerequisite: MATH 175 placement based on multiple assessment measures.
Introduction to differential and integral calculus with applications; functions; limits; and continuity; techniques of differentiation; exponential; logarithmic; and inverse trigonometric functions. 72 lecture hours. CSU UC

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<th>Room</th>
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<tr>
<td>30396</td>
<td>Gutierrez, J.</td>
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<td>02:30 PM-04:35 PM</td>
<td>MA 124</td>
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<td>30397</td>
<td>Leung, S.</td>
<td>TR</td>
<td>06:00 PM-08:05 PM</td>
<td>MA 109</td>
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<tr>
<td>32016</td>
<td>Kim, E.</td>
<td>MW</td>
<td>07:20 AM-09:45 AM</td>
<td>MA 223</td>
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</table>

Late Start Class 31029 Anderson, B. TR 10:50 AM-12:55 PM MA 108

MATH 191 Calculus with Analytic Geometry II 4 Units
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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<tr>
<th>CRN</th>
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<th>Time</th>
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<tr>
<td>30398</td>
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<td>31981</td>
<td>Phan-Yamada, T.</td>
<td>MW</td>
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</tbody>
</table>

MATH 210 Calculus with Analytic Geometry III 4 Units
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>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<tr>
<td>30400</td>
<td>Gonzalez, R.</td>
<td>TR</td>
<td>01:05 PM-03:10 PM</td>
<td>MA 230</td>
</tr>
</tbody>
</table>

MUS 132 Music Performance for Events 1 Units
Prerequisite: Audition.
Music Performance for Events is designed for the student to learn and enjoy the art of performing music for sports events and related functions. This course will incorporate the selection of, and the ability to perform the appropriate material.

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<tr>
<th>CRN</th>
<th>Instructor</th>
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<tr>
<td>31997</td>
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<td>31999</td>
<td>Maloney, R.</td>
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<td>09:55 AM-10:45 AM</td>
<td>PA 151</td>
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</table>

AUDITION REQUIRED. This course does not have a waitlist.

MUS 140 Music Production Software/Hardware I 2 Units
An introductory course in the use of production software and hardware in the creation of audio/music products. Included are music sequencing, editing, mixing, effects, and production. 36 lecture hours, 18 lab hours. CSU

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<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
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<tr>
<td>30625</td>
<td>Galvan, A.</td>
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<td>VT 320</td>
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<tr>
<td>30891</td>
<td>Galvan, A.</td>
<td>F</td>
<td>08:00 PM-08:50 PM</td>
<td>VT 320</td>
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</tbody>
</table>

MUS 213 Professional Performance Techniques (Vocal) 3 Units
Prerequisite: Audition.
An advanced course for the vocal performance major. Advanced vocal techniques in a professional-quality setting. Emphasis on rehearsal techniques, total presentation, body movement, and audience rapport. This course may be taken four times. 36 lecture hours, 54 lab hours.

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<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
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<tbody>
<tr>
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<td>MA 133</td>
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</tbody>
</table>

AUDITION REQUIRED. This course does not have a waitlist.

MUS 215 Musical Theatre Production 4 Units

Register online at citruscollege.edu/ar WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626)
### Schedule of Credit Classes - Spring 2013

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
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<td>LAB SECTION. AUDITION REQUIRED. This course does not have a waitlist. Requires enrollment in MUS 291(lecture class-CRN 30674). Labs are completed in available Performing Arts practice rooms.</td>
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</table>

### MUS 291  Applied Music/Individual Instruction  2 Units

**Classical**

- **Prerequisite:** Audition.
- A workshop class in applied music with an emphasis on classical techniques which includes a private one-half hour lesson per week, attendance and participation in a weekly concert hour and skill and repertoire building activities.
- This course may be taken four times. 18 lecture hours, 108 lab hours arranged. CSU UC

### MUS 292  Applied Music/Individual Instruction  2 Units

**Pop**

- **Prerequisite:** Audition.
- A workshop class in applied music with an emphasis on popular techniques which includes a private one-half hour lesson per week, attendance participation in a weekly concert hour and skill and repertoire building activities.
- This course may be taken four times. 18 lecture hours, 108 lab hours arranged. CSU UC

### MUS 100  Musicianship I  2 Units

- **Corequisite:** MUS 102.
- **Other:** Recommendation by instructor(s) of music courses which require knowledge of sight-singing.

### MUS 101  Musicianship II  2 Units

- **Prerequisites:** MUS 100 and 102.
- **Corequisite:** MUS 103.
- **Other:** Recommendation by instructor(s) of music courses which require knowledge of sight-singing.

### MUS 111  History of Music II  3 Units

- This is an in-depth course examining the history of music as well as the lives and contributions of major composers from the Clasical, Romantic, and 20th Century periods. Required for music majors. 54 lecture hours. CSU UC

### MUS 112  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, 18 lab. CSU UC

### MUS 114  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 majors. Required for music majors. 54 lecture hours. CSU UC
MUS 170  Sight Reading for the Studio  3 Units
Prerequisite: Audition.
Strongly recommended: MUS 112. Also, ENGL 099 or READ 099 if required by English placement 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. This course may be taken four times.
54 lecture hours, 18 lab hours. CSU
30633 Galvan, A.  M 08:10 AM-10:15 AM  VT 208  02/19-06/15
Galvan, A.  W 09:10 AM-10:15 AM  VT 208  02/19-06/15
AUDITION REQUIRED. This course does not have a waitlist.

MUS 200  Musicianship  2 Units
Prerequisites: MUS 101 and 103.
Melodic and rhythmic dictation and sight singing. Identification of intervals, chord qualities, scales, phrases and harmonic function. Required for transferring music majors. 36 lecture hours. CSU UC
31000 Eisel, G.  T 09:55 AM-10:45 AM  VT 319  02/19-06/15
Eisel, G.  R 09:55 AM-11:00 AM  VT 319  02/19-06/15

MUS 201  Musicianship  2 Units
Prerequisites: MUS 200 and 202.
Corequisites: MUS 203.
A continuation of MUS 200. This course will include more challenging rhythmic, melodic, and harmonic dictation and solfege. Required for transferring music majors. 36 lecture hours. CSU UC
30647 Eisel, G. T 09:55 AM-10:45 AM  VT 319  02/19-06/15
Eisel, G. R 09:55 AM-11:00 AM  VT 319  02/19-06/15

MUS 202  Harmony  3 Units
Prerequisite: MUS 103.
Corequisites: MUS 200.
Continuation of first year's study, including seventh chords, secondary dominants, modulation, harmonic structure of the phrase, harmonization of a given part, harmonic rhythm, irregular resolutions of secondary dominants, analysis of melodies, short works for piano, chorales, and songs. Required of all transferring music majors. 54 lecture hours. CSU UC
31001 Eisel, G.  MW 08:10 AM-09:35 AM  PA 193  02/19-06/15

MUS 203  Harmony  3 Units
Prerequisites: MUS 200 and 202.
Corequisites: MUS 201.
Continuation of first year's study, including seventh chords, secondary dominants, modulation, harmonic structure of the phrase, harmonization of a given part, harmonic rhythm, irregular resolutions of secondary dominants, analysis of melodies, short works for piano, chorales, and songs. Required of all transferring music majors. 54 lecture hours. CSU UC
30648 Eisel, G.  MW 08:10 AM-09:35 AM  PA 193  02/19-06/15

MUS 218  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
30667 Beaty, D.  M 07:00 PM-10:10 PM  VT 319  02/19-06/15

Music - Instrumental

MUS 105  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
31981 Green, M.  M 03:50 PM-04:40 PM  VT 319  02/19-06/15
Green, M.  W 03:50 PM-04:55 PM  VT 319  02/19-06/15

Music - Vocal

MUS 115  Voice  2 Units

Nursing
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 care opportunities. Offered for Pass/No Pass grading only.

36 lecture hours, 54 lab hours.

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<th>CRN</th>
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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, 30683 Bowman, D. T 07:00-AM-02:30 PM TC 230 02/19-04/13 First 8 Weeks Lecture section only. Lab section also required.

Mandatory orientation required. 30684 Bowman, D. T 07:00-AM-01:30 PM TC 230 04/22-06/15 Second 8 Weeks Lecture section only. Lab section also required.

Mandatory orientation on Wednesday, March 6, 2013, from 3:00pm to 5:00pm in CI 199.

First 8 weeks.

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

Second 8 weeks.

Lecture section only. Lab section also required.

Nursing - Registered

RNRS 193  Pediatric Nursing  3.5 Unit:

Prerequisites: RNRS 190, 191, 192.

This course focuses on integration and application of the nursing process as it relates to the nursing care of children and their families. Emphasis is on the concepts and skills related to age and developmental appropriate family centered care. Clinical experiences will provide opportunities for students to participate in therapeutic activities in a variety of pediatric settings. 36 lecture hours, 81 lab hours.

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

On campus ATI testing: 5/31 - 7:00am-8:30am Lecture section only. Lab section also required.

Note: Clinical dates and times are subject to change.

RNRS 194  Obstetrics/Maternity Nursing  3.5 Unit:

Prerequisites: RNRS 190, 191, 192.

This course will enable the student to attain knowledge and skills necessary to provide safe, effective, culturally sensitive physiological care using the nursing process and family centered approach for childbearing clients and their families. Clinical experiences will provide opportunities for students to participate in therapeutic activities during antepartum, intrapartum, and postpartum periods; as well as the care and monitoring of the newborn. 36 lecture hours, 81 lab hours.

30952 Wickman, M. F 03:00-PM-05:05 PM TC 228 02/19-06/15 On campus ATI testing: 6/7/13 6:30am to 8:00am Lecture Section only. Lab Section also required.

Note: Clinical dates and times are subject to change.

RNRS 195  Beginning Medical/Surgical Nursing II  5 Units

Prerequisites: RNRS 190, 191, 192.

Co-requisites: RNRS 193, 194.

Medical Surgical Nursing II develops the first years nursing student's knowledge and skills as they relate to the adult non-critical moderately complex medical-surgical patient. Through utilization of the nursing process, the student will recognize alterations in functioning or illness and formulate age-appropriate nursing interventions. Psychomotor skills associated with moderately complex needs, medication administration and intravenous therapy will be studied and practiced. The impact of multiple nursing diagnoses on patient outcomes will be introduced. 45 lecture hours, 135 lab hours.

30956 Barajas, N. F 10:45-AM-01:15 PM TC 229 02/19-06/15 Lecture section only. Lab section also required.

On campus skills days: 4/21 - 7:00am to 5:00pm Lecture section only. Lab section also required.

Note: Clinical dates and times are subject to change.

30961 Hullings, G. M 06:45-AM-08:35 PM FD 02/25-04/09 Hullings, G. T 01:30-PM-08:45 PM FD 02/25-04/09 On campus skills days: 5/19 - 7:00am to 5:00pm Lecture section only. Lab section also required.

Note: Clinical dates and times subject to change.

RNRS 251  Medical-Surgical Nursing IV  6 Units

Prerequisites: RNRS 201 and RNRS 203.

Corequisites: RNRS 252.

This course is a continuation of the nursing care of selected individuals throughout the life span who are experiencing complex alterations in wellness involving multiple systems. Care of clients experiencing multi-system failure and severe trauma is also included. Clinical experiences in local health care agencies provide students opportunity to apply theoretical concepts to actual care of patients. 54 lecture hours, 182 lab hours.

31509 Allahbachayo, S. R 10:00-AM-01:10 PM TC 229 02/19-06/15 On campus ATI testing- M/S IV Comp predictor: 6/4/13 - 7:00am to 10:00pm and 1:00am to 4:00pm Lecture section only. Lab section also required.

31510 Allahbachayo, S. M 06:45-AM-08:35 PM FD 02/25-03/19 Allahbachayo, S. T 06:45-AM-08:35 PM FD 02/25-03/19 On campus skills days: 2/24 - 6:45am to 6:45pm. Med-Surg clinical rotations are scheduled from Feb. 25, 2013 thru April 2, 2013 on Mondays and Tuesdays from 06:45am to 6:45pm. Students have to do seven 12-hour shifts in this rotation. The preceptorship rotations are scheduled from April 8, 2013 thru June 14, 2013. Students have to do seven 12-hour shifts in this rotation. Lecture section only. Lecture section also required. Note: Clinical dates and times are subject to change.
Nursing - Vocational

**VNRS 150  Fundamentals of Nursing**

Prerequisite: NRS 100.
Corequisites: VNRS 151L.

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 practiced 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.

CRN: 30934
Instructor: Grauso, L.
Days: M-Th
Time: 08:30 AM-10:20 AM
Location: TC 228

Lecture section only. Lab section also required.
First 8 weeks.

**VNRS 151L Fundamentals of Nursing Lab**

Prerequisite: NRS 100.
Corequisites: VNRS 150.

Clinical application of theoretical concepts of basic nursing functions. Offered for Pass/No Pass grading only. 162 lab hours.

CRN: 30937
Instructor: Grauso, L.
Days: M-F
Time: 08:30 AM-10:20 AM
Location: TC 228

Students in Fundamentals Lab 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.

NOTE: Clinical days and times are subject to change.
First 8 weeks.

**VNRS 152  Pharmacology I**

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.

CRN: 30940
Instructor: Wong, J.
Days: M
Time: 02:30 PM-04:50 PM
Location: TC 228

First 8 weeks.

**VNRS 153  Introductory Nutrition for the Vocational Nurse**

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, food guide pyramid, and how to define and achieve a well-balanced diet. This course establishes the foundation needed for further study in nutrition. 163 lecture hours.

CRN: 30941
Instructor: Grauso, L.
Time: 06:45 AM-08:50 AM
Location: TC 228

First 8 weeks.

**VNRS 154  Body Structure Function for the Vocational Nurse I**

This course explores the body in detail, from head to toe, with a particular focus on the integumentary system. It is designed to provide a solid foundation for students to understand the structure and function of the body in order to provide quality care to patients. 18 lecture hours.

CRN: 30958
Instructor: Grauso, L.
Days: M
Time: 06:45 AM-08:50 AM
Location: TC 228

Second 8 weeks.

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**VNRS 155  Social Psychology for the Vocational Nurse**

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.

CRN: 30943
Instructor: Ellis, J.
Time: 10:15 AM-12:35 PM
Location: TC 228

First 8 weeks.

**VNRS 156  Medical - Surgical Nursing I**

Prerequisite: VNRS 151L.
Corequisites: VNRS 150.

Clinical application of theoretical concepts 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. The course presents the application of the nursing process to the planning and care of these clients. 54 lecture hours.

CRN: 30969
Instructor: Tucker, G.
Days: HRS-ARRG
Time: 02/19-06/15
Location: TC 229

Second 8 weeks.

**VNRS 157  Medical - Surgical Nursing I Lab**

Prerequisites: VNRS 150, 151L, 152, 153, 155.
Corequisites: VNRS 150, 151L, 152, 153, 155.

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.

CRN: 30956
Instructor: Ellis, J.
Days: M-F
Time: 09:00 AM-10:50 AM
Location: TC 228

First 8 weeks.

**VNRS 158  Medical - Surgical Nursing II**

Prerequisite: VNRS 156.
Corequisites: VNRS 151L.

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.

CRN: 30955
Instructor: Grauso, L.
Days: WF
Time: 06:45 AM-04:50 PM
Location: TC 228

First 8 weeks.

**VNRS 160  Medical - Surgical Nursing I**

Prerequisite: VNRS 150.
Corequisites: VNRS 151L.

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. The course presents the application of the nursing process to the planning and care of these clients. 54 lecture hours.

CRN: 30946
Instructor: Ellis, J.
Days: M-F
Time: 09:00 AM-10:50 AM
Location: TC 228

First 8 weeks.

**VNRS 161  Medical - Surgical Nursing I Lab**

Prerequisites: VNRS 151L.
Corequisites: VNRS 150, 151L, 152, 153, 154, 155.

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.

CRN: 30950
Instructor: Grauso, L.
Days: WF
Time: 06:45 AM-04:50 PM
Location: TC 228

First 8 weeks.

**VNRS 162  Pharmacology II**

Prerequisite: 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.

CRN: 30957
Instructor: Wong, J.
Days: M
Time: 10:15 AM-12:35 PM
Location: TC 228

Second 8 weeks.

**VNRS 163  Diet Therapy for the Vocational Nurse**

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.

CRN: 30958
Instructor: Grauso, L.
Days: M
Time: 06:45 AM-08:50 AM
Location: TC 228

Second 8 weeks.
### VNRS 164  Body Structure and Function for the Vocational Nurse
**Prerequisites:** VNRS 154.
**Corequisites:** VNRS 160.
A continuation of body structure and function for the vocational nurse with clinical case studies. 27 lecture hours.

<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>30959</td>
<td>Ellis, J.</td>
<td>M</td>
<td>06:30 AM-10:05 AM</td>
<td>TC 228</td>
<td>04/22-06/15</td>
</tr>
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<td>Second 8 weeks.</td>
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</tbody>
</table>

### VNRS 165  Adult Growth and Development for the Vocational Nurse
**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.

<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>30960</td>
<td>Grauso, L.</td>
<td></td>
<td>HRS-ARRG</td>
<td>04/22-06/15</td>
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<td></td>
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<td></td>
<td>DISTANCE EDUCATION LATE START HYBRID CLASS. After registering go to <a href="http://www.citruscollege.edu/de">www.citruscollege.edu/de</a>. Second 8 weeks MANDATORY on-campus meetings on the following Mondays: 4/22, 5/6, 5/20, 6/3, and 6/10 in TC 228 from 1:30PM to 3:35PM. Students required to take tests on campus.</td>
</tr>
</tbody>
</table>

### VNRS 170  Medical-Surgical Nursing II
**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, genitourinary, and special senses. 126 lecture hours.

<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>30970</td>
<td>Boquiren, C. T</td>
<td>06:45 AM-02:20 PM</td>
<td>TC 229</td>
<td>02/19-06/15</td>
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</tr>
<tr>
<td>Lecture section only.</td>
<td>Section also required.</td>
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</tbody>
</table>

### VNRS 171L  Medical-Surgical Nursing II Lab
**Corequisites:** VNRS 170 and VNRS 183.
Clinical application of theoretical concepts of medical-surgical nursing of clients with alterations of respiration, circulation, blood and immune system, endocrine, special senses, neurological and genito-urinary conditions. Offered for Pass/No Pass grading only. 378 lab hours.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
<td>30971</td>
<td>Boquiren, C. RF</td>
<td>11:30 AM-10:25 PM</td>
<td>FD 02/19-06/15</td>
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</tr>
<tr>
<td>Clinicals will also meet on the following Wednesdays:</td>
<td>Competencies: March 20, and May 1, 2013, 6:45am to 3:45pm and the following Wednesdays: February 23, March 6, and April 3, 2013 12:50pm to 11:59pm. Lab section only. Lecture section also required.</td>
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</tr>
<tr>
<td>30972</td>
<td>Wong, J.</td>
<td>WR</td>
<td>06:45 AM-05:35 PM</td>
<td>FD 02/19-06/15</td>
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<tr>
<td>Clinicals will also meet on the following Fridays: Competencies: March 22, and May 3, 2013, 6:45am to 3:45pm and the following Fridays: February 22, March 8, and April 26, 2013 6:45am to 6:45pm.</td>
<td>Enrollment also required in CRN 31900. Lab section only. Lecture section also required.</td>
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<tr>
<td>NOTE: Clinical days and times are subject to change.</td>
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</table>

### VNRS 172  Advanced Pharmacology
**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.

<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>30974</td>
<td>Wong, J.</td>
<td>M</td>
<td>09:00 AM-02:05 PM</td>
<td>TC 229</td>
<td>02/19-04/13</td>
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</tbody>
</table>

### VNRS 173  Psychology for Vocational Nurses
**Prerequisites:** VNRS 161L, 162, 163, 164, 165.
**Corequisites:** VNRS 170, 171L, 172, 183.
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.

<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>30975</td>
<td>Greene, D.</td>
<td>M</td>
<td>08:30 AM-01:35 PM</td>
<td>TC 229</td>
<td>04/22-06/15</td>
</tr>
</tbody>
</table>

### VNRS 183  Leadership in Nursing
**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.

<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>30976</td>
<td>Tucker, G.</td>
<td>HRS-ARRG</td>
<td>02/19-06/15</td>
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</tr>
<tr>
<td>DISTANCE EDUCATION CLASS After registering go to <a href="http://www.citruscollege.edu/de">www.citruscollege.edu/de</a> Lecture section only. Lab section also required. Mandatory on-campus meetings on the following Mondays: February 25, April 8 (midterm), May 20, and June 10 (final exam) at 6:45 a.m. - 8:20 a.m. in TC 229.</td>
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<tr>
<td>30977</td>
<td>Boquiren, C. RF</td>
<td>10:35 PM-11:55 PM</td>
<td>FD 02/19-06/15</td>
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<tr>
<td>Lab section only. Lecture section also required.</td>
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<td>NOTE: Clinical days and times are subject to change.</td>
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</table>

### OFF 101  Introduction to Microsoft Office
**Applications**
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 hours lecture, 36 hours lab. CSU

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>30108</td>
<td>James, R.</td>
<td>MW</td>
<td>09:15 AM-10:30 AM</td>
<td>LB 201</td>
<td>02/19-06/15</td>
</tr>
<tr>
<td>James, R.</td>
<td>MW</td>
<td>10:40 AM-11:45 AM</td>
<td>LB 201</td>
<td>02/19-06/15</td>
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<tr>
<td>30107</td>
<td>James, R.</td>
<td>TR</td>
<td>08:00 AM-09:15 AM</td>
<td>LB 201</td>
<td>02/19-06/15</td>
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<tr>
<td>James, R.</td>
<td>TR</td>
<td>09:25 AM-10:30 AM</td>
<td>LB 201</td>
<td>02/19-06/15</td>
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</tbody>
</table>

### OFF 120  Excel Spreadsheet
An introduction to Excel worksheets and workbooks. Includes formatting, calculating sums, formulas, charts, enhancing the worksheet, and making decisions using the IF function, completing financial functions, data lists, and large workbooks and using templates. 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>
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</thead>
<tbody>
<tr>
<td>30110</td>
<td>James, R.</td>
<td>HRS-ARRG</td>
<td>02/19-06/15</td>
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</tr>
<tr>
<td>DISTANCE EDUCATION CLASS After registering go to <a href="http://www.citruscollege.edu/de">www.citruscollege.edu/de</a> Mandatory Orientation on February 19, 2013 at 6:00 p.m. - 7:00 p.m. in LB 201.</td>
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<tr>
<td>31977</td>
<td>James, R.</td>
<td>T</td>
<td>01:45 PM-03:50 PM</td>
<td>LB 201</td>
<td>02/19-06/15</td>
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<tr>
<td>First 8 weeks</td>
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### OFF 215  Introduction to Microsoft Outlook
An introduction to a scheduling and organizing program. Topics include creating and editing a calendar, contacts, task list, journal, notes, synchronizing personal digital assistant, and communicating with an electronic mail system. 36 lecture hours.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
<td>31977</td>
<td>James, R.</td>
<td>T</td>
<td>01:45 PM-03:50 PM</td>
<td>LB 201</td>
<td>02/19-06/15</td>
</tr>
</tbody>
</table>

### OFF 260  Computer Keyboarding and Document Processing
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, memorandums, reports and tables and is open to students with no previous keyboarding experience. 54 lecture hours, 36 lab hours. CSU

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<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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</thead>
<tbody>
<tr>
<td>30112</td>
<td>James, R.</td>
<td>TR</td>
<td>11:00 AM-12:15 PM</td>
<td>LB 201</td>
<td>02/19-06/15</td>
</tr>
<tr>
<td>James, R.</td>
<td>TR</td>
<td>12:25 PM-01:30 PM</td>
<td>LB 201</td>
<td>02/19-06/15</td>
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</tbody>
</table>

Register online at citruscollege.edu/ar  WingSpan Registration Help Desk (626) 914-8833  Admissions and Records office (626) 29
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
30838 Saldana, R. MW 08:20 AM-09:45 AM LB 101 02/19/2013-06/15
30839 Saldana, R. MW 09:55 AM-11:20 AM LB 101 02/19/2013-06/15
30840 Saldana, R. TR 08:20 AM-09:45 AM LB 101 02/19/2013-06/15
31096 Call, J. TR 01:05 PM-02:30 PM LB 101 02/19/2013-06/15

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
30841 Saldana, R. MW 11:30 AM-12:55 PM LB 101 02/19/2013-06/15
31237 Amaya, H. M 07:00 PM-10:10 PM LB 101 02/19/2013-06/15
30842 Saldana, R. TR 11:30 AM-12:55 PM LB 101 02/19/2013-06/15
30843 Call, J. TR HRS-ARRG 02/19/2013-06/15

PHIL 106H Introduction to Philosophy/Honors  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
This is a degree-applicable introductory level course for honors students.
Students are expected to work and participate at an honors level, which includes strong critical thinking skills, thorough analysis of philosophical writings, and presentation skills as demonstrated by leading a seminar discussion. 54 lecture hours.
30844 Call, J. TR 09:55 AM-11:20 AM P3 100 02/19/2013-06/15

PHIL 108 Philosophy - Ethics  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
A critical analysis of concepts of the good life and of morality as articulated by great philosophers, with the aim of cultivating awareness of the importance of a reasoned approach to such questions in one's own life. 54 lecture hours.
30845 Saldana, R. TR 09:55 AM-11:20 AM LB 101 02/19/2013-06/15

PHIL 110 Philosophy - Logic  3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
A course introducing fundamental problems and principles of formal and informal logic, featuring proofs of validity, deductive and inductive reasoning, and detection and analysis of fallacies. 54 lecture hours. CSU UC
30846 Call, J. MW 09:55 AM-11:20 AM LB 101 02/19/2013-06/15
31213 Call, J. MW 01:05 PM-02:30 PM LB 101 02/19/2013-06/15
30848 Saldana, R. F 08:10 AM-11:20 AM LB 101 02/19/2013-06/15
30847 Saldana, R. T 07:00 PM-10:10 PM LB 101 02/19/2013-06/15
### Schedule of Credit Classes - Spring 2013

#### CRN Instructor Days Time Room D

**PHYS 202** Physics B: Thermodynamics and Electromagnetism 5 Units
Prerequisite: PHYS 201 and MATH 191.
Core topics include the laws of thermodynamics, kinetic theory, electrostatics, magnetism, DC and AC circuits, and Maxwell's equations. This course is part of a three-semester sequence and is required of all majors in engineering, physics, chemistry, and some geology and mathematics majors. 72 lecture hours, 54 lab hours. CSU UC

31696 Ramos, G. MW 03:00 PM-04:25 PM PS 113 02/19-06/15
Ramos, G. W 01:30 PM-02:20 PM PS 101 02/19-06/15
Ramos, G. T 03:40 PM-06:50 PM PS 101 02/19-06/15

**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

30778 Peters, G. MW 11:30 AM-12:55 PM LB 303 02/19-06/15
30777 Peters, G. MW 01:05 PM-02:30 PM LB 303 02/19-06/15
31225 Milbrandt, D. MW 03:50 PM-05:15 PM LB 306 02/19-06/15
31253 Ross, L. M 07:00 PM-10:10 PM LB 303 02/19-06/15
30922 Milbrandt, D. R 03:40 PM-06:50 PM LB 310 02/19-06/15

**Data Science**

**PSY 102** Psychobiology 3 Units
Prerequisite: PSY 101.
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

31095 Tate, E. TR 08:20 AM-09:45 AM HH 754 02/19-06/15

**PSY 103** Statistics for the Social and Behavioral Sciences 3 Units
Prerequisite: MATH 150.
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

30885 Kim, A. HRS-ARRG 02/19-04/13

**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

30876 Kim, A. MW 01:05 PM-02:30 PM LB 306 02/19-06/15
31246 Resch, A. M 07:00 PM-10:10 PM LB 310 02/19-06/15

**Psychology**

**PSY 101** Introduction to Psychology 3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.
The course is an introduction to psychology as an empirical science involving a synthesis of theory and research within the domains of behavior, cognition and affect. Students are expected to work and participate using critical thinking skills, thoughtful analysis/synthesis of readings, presentations and discussions within the class environment. 54 lecture hours. CSU UC

31075 Shaw, T. MW 08:20 AM-09:45 AM HH 754 02/19-06/15
31076 Rosales, A. MW 09:55 AM-11:20 AM HH 754 02/19-06/15
31088 Levine, B. MW 11:30 AM-12:55 PM HH 754 02/19-06/15
32004 Shaw, T. F 08:10 AM-11:20 AM LB 310 02/19-06/15
31835 Brown, M. W 07:00 PM-10:10 PM LB 301 02/19-06/15
31870 Peterson, L. T 07:00 PM-10:10 PM LB 102 02/19-06/15
30886 Kim, A. HRS-ARRG 02/19-06/15
### Public Works

<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>31207</td>
<td>Brown, R.</td>
<td>TR</td>
<td>03:50 PM-05:15 PM</td>
<td>LB 301</td>
<td>02/19-06/15</td>
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<tr>
<td>31312</td>
<td>Skalicky, J.</td>
<td>M</td>
<td>07:00 PM-10:10 PM</td>
<td>LB 301</td>
<td>02/19-06/15</td>
</tr>
</tbody>
</table>

**PUB 150**  Public Works I  
3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

Basic course in street maintenance covering the materials utilized; a review of equipment and techniques used in their applications. Other subjects include street tree programs, street painting and signs programs, street sweeping, weed control, watershed management, and other related subjects. 54 lecture hours.

31278 Alba, R.  
T 06:30 PM-09:40 PM  PC 303 02/19-06/15

**PUB 155**  Public Works Inspection  
3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

A comprehensive course in public works inspection, including Portland cement concrete, asphaltic concrete, soils, base and subgrade materials. Contracts and specifications and plans will be discussed. Utilities, including underground water, sewer and storm drains will be covered, with emphasis on the safety aspects of trenching, tunneling and jacking. Responsibilities of the contractor, the engineer, the inspector and the owner will be included. Surveying and staking will be reviewed. Prime consideration will be given to inspection records, duties and job diary techniques. 54 lecture hours.

31280 Adawiya, I.  
HRS-ARRG 02/19-06/15

**PUB 156**  Concrete Structures and Inspection  
3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level and MATH 115 or higher.

An advanced course in public works inspection covering Portland cement concrete culvert and bridge construction beginning with the field work of site preparation, structural excavation, concrete footings, "false work" structures, structural and reinforcing steel, and concrete placement. Prime considerations will be given to inspection reporting, records, and new advances in technology. 54 lecture hours.

31832 Adawiya, I.  
W 06:30 PM-09:40 PM  PC 303 02/19-06/15

**PUB 157**  Asphalt and Portland Cement  
3 Units

### Recording Technology

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Room</th>
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<tbody>
<tr>
<td>31967</td>
<td>O'Hara, S.</td>
<td>TR</td>
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<td>PA 192</td>
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**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.

31968 Shima, K.  
MW 08:10 AM-09:35 AM  VT 215 02/19-06/15

**REC 255**  Advanced Live Sound Reinforcement  
4 Units
Prerequisite: REC 135.
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

This course focuses on advanced concepts in sound reinforcement; advanced mixing skills, system maintenance and troubleshooting, sound system design for different types of venues, audio editing for live applications and live recording. 54 lecture hours, 72 lab hours.

30703 Deatrick, S.  
MWF 01:25 PM-02:15 PM  VT 208 02/19-06/15

Deatrick, S.  
F 11:10 AM-01:15 PM  VT 117 02/19-06/15

Deatrick, S.  
S 11:15 AM-01:20 PM  VT 117 02/19-06/15

### Sociology

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**Sociology**

### Public Education

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**Sociology**

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

A comprehensive course in asphaltic concrete and Portland Cement concrete construction technology following the standards of the Asphalt Institute, standard specifications for public works construction, American Concrete Institute and the Portland Cement Association. Included will be design production, placement, consolidation and compaction of the materials. Evaluation of surface defects, maintenance and safety will be covered. 54 lecture hours.

31279 Swartz, T.  
M 06:30 PM-09:40 PM  PC 303 02/19-06/15

**PSY 213**  Survey of Drug and Alcohol Use and Abuse  
3 Units
Prerequisite: PSY 101.

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

30869 Brown, R.  
HRS-ARRG 02/19-06/15

**PUB 160**  Public Administration  
3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

A basic course covering the overview of local government functions; development of the role of public works; the constraints of operation; techniques of administration in planning, finance, and personnel; the traditional model of public works organization and new advances in technology. 54 lecture hours.

30717 Mastrosimone, V.  
R 06:30 PM-09:40 PM  PC 303 02/19-06/15

**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: economics, history, financing, deeds, leases, and partial preparation for California Real Estate Salesperson License Examination. 54 lecture hours. CSU

30101 Ghidella, R.  
HRS-ARRG 02/19-06/15

**PSY 225**  Psychology of Human Sexuality  
3 Units
Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.

An introductory survey of the psychological bases and dimensions of human sexuality with emphasis on the socio-cultural factors involved in intimate relating, sexuality, and loving. 54 lecture hours. CSU UC

31096 Gutman, K.  
HRS-ARRG 02/19-06/15

**PSY 212**  Abnormal Psychology  
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

31097 Brown, R.  
HRS-ARRG 02/19-04/13
### Schedule of Credit Classes - Spring 2013

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<td>30864</td>
<td>White, G.</td>
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<tr>
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<td>Shrope-Austin, D.</td>
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<td>31176</td>
<td>McGarry, A.</td>
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<td>31885</td>
<td>Guillet, N.</td>
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<td>06:30 PM-09:00 PM</td>
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**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.
- 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. CSU UC

**SPAN 201 Introduction to Sociology**

- **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. CSU UC

**SPAN 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. CSU UC

**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

**SPAN 102 Spanish II**

- **5 Units**
- Prerequisite: Completion of SPAN 101 with min. grade of C or two years of high school Spanish.
- A further study of elementary Spanish grammar and vocabulary which develops understanding, speaking, reading and writing skills. Includes additional study of the cultural heritage of Spain and Latin America. 90 lecture hours. CSU UC

**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. Class is conducted primarily in Spanish. Note that Spanish 3 and 4 do not need to be taken in order.90 lecture hours. CSU UC

**SPCH 100 Interpersonal Communication**

- **3 Units**
- 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 UC

**SPCH 101 Public Address**

- **3 Units**
- An introductory course in speaking skills, including the selection, preparation, and delivery of speeches for various audiences and situations. The goal will be the achievement of ethical, purposeful, and effective public speaking. 54 lecture hours. CSU UC

Register online at citruscollege.edu/ar WingSpan Registration Help Desk (626) 914-8833 Admissions and Records office (626) 914-8885
### Theatre Arts

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<tr>
<td>31982</td>
<td>Slay, K.</td>
<td>R</td>
<td>07:00 PM-10:10 PM</td>
<td>VT 215</td>
<td>02/19-06/15</td>
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#### THEA 101 Introduction to Theatre Arts
- **3 Units**
- **CRN:** 31982
- **Instructor:** Slay, K.
- **Days:** R
- **Time:** 07:00 PM-10:10 PM
- **Room:** VT 215
- **Description:**
  - Strongly recommended: ENGL 099 or READ 099 if required by English level.
  - Background and foundation for appreciation and evaluation of theatre arts.
  - Course will include a study of dramatic structure, history of the theatre, plays and playwrights, and a study of contemporary theatre production.
- **Units:** 3
- **Course Code:** THEA 101
- **Credits:** 3

#### THEA 200 The Art of the Theatre
- **3 Units**
- **CRN:** 31907
- **Instructor:** Slay, K.
- **Days:** T
- **Time:** 07:00 PM-10:10 PM
- **Room:** PA 181
- **Description:**
  - Strongly recommended: ENGL 099 or READ 099 if required by English level.
  - Introduction to theatre as an art form involving the inter-related processes of all elements of theatre with the primary focus being on script analysis. Includes the study of plays throughout history with emphasis on dramatic analysis and cultural significance.
- **Units:** 3
- **Course Code:** THEA 200
- **Credits:** 3

#### THEA 210 Rehearsal and Performance
- **3 Units**
- **CRN:** 30720
- **Instructor:** Brown, C.
- **Days:** S
- **Time:** 05:00 PM-06:15 PM
- **Room:** PA 181
- **Description:**
  - Prerequisite: Audition.
  - Participation in the production of a full-length play for public performance.
- **Units:** 3
- **Course Code:** THEA 210
- **Credits:** 3

#### THEA 220 Rehearsal and Performance II
- **3 Units**
- **CRN:** 30729
- **Instructor:** Brown, C.
- **Days:** S
- **Time:** 05:00 PM-06:15 PM
- **Room:** PA 181
- **Description:**
  - Prerequisite: THEA 210.
  - Continued and more in-depth participation in the production of full-length play for public performance.
- **Units:** 3
- **Course Code:** THEA 220
- **Credits:** 3

#### THEA 698C Cooperative Education
- **3 Units**
- **CRN:** 31953
- **Instructor:** Volonte, D.
- **Days:** HRS-ARRG
- **Time:** 02/19-06/15
- **Description:**
  - Enrollment in a minimum of seven units of credit including Cooperative Education during the regular semester. During the summer the student must be enrolled in at least one other class.
  - A course designed to assist students in planning and accomplishing meaningful learning objectives related to Theatre Arts at their place of volunteer employment or training sites. This course may be taken for four times. 180 lab hours arranged per semester.