NC Fall 2013
Schedule of Classes

Classes begin August 26.
Day, evening and online classes available!
www.norcocollege.edu

For important information regarding fees, payment deadlines, financial aid and registration please refer to our Information Pages.
Para información en español, por favor refiérase a la sección 16-24 de nuestras Páginas de Información.
MISSION STATEMENT

Norco College serves our students, our community, and its workforce by providing educational opportunities, celebrating diversity, and promoting collaboration. We encourage an inclusive, innovative approach to learning and the creative application of emerging technologies. We provide foundational skills and pathways to transfer, career and technical education, certificates and degrees.

ACCOUNTING

ACC-1A  PRINCIPLES OF ACCOUNTING I  3.00 UNITS
An introduction to accounting principles and procedures. Course geared to accounting and business majors.
• PREREQUISITE: None.
• ADVISORY: BUS-20.
37099  08:00AM 09:25AM  MW  WEQ W6  V Turner
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.
37104  08:00AM 09:25AM  TTH  HUM 111  P Worsham
08/27/13 10/17/13  Last day to add: 09/02/13
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
37100  09:40AM 11:05AM  TTH  IT  117  P Worsham
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

EVENING

37105  06:30PM 09:40PM  M  JFK 119  Y Kirkpatrick
10/21/13 12/09/13  Last day to add: 10/25/13
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

ACC-1B  PRINCIPLES OF ACCOUNTING II  3.00 UNITS
A study of managerial accounting principles and information systems.
• PREREQUISITE: ACC-1A.
37108  08:00AM 09:30AM  TTH  HUM 111  P Worsham
10/22/13 12/12/13  Last day to add: 10/26/13

ACC-62  PAYROLL ACCOUNTING  3.00 UNITS
Studies accounting for payroll and aspects of social security, unemployment, and workers compensation, utilizing microcomputer applications.
• PREREQUISITE: ACC-1A.
37102  08/26/13 10/18/13  ON LINE  P Worsham
Last day to add: 09/03/13
37103  10/21/13 12/13/13  ON LINE  P Worsham
Last day to add: 10/29/13

For more information, see “How to Read the Schedule of Classes.”
Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!  

www.norcocollgebookstore.com

ACC-63 INCOME TAX ACCTNG  3.00 UNITS
Theory and method of preparation of federal income tax returns for individuals.
  • PREREQUISITE: None.

WEEKEND
37110 08:00AM 02:30PM  S IT 101  Y Kirkpatrick
  10/20/13 12/14/13
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

ANTHROPOLOGY

ANT-1 PHYSICAL ANTHROPOLOGY  3.00 UNITS
Examination of human biological evolution and physical diversity, incorporating genetics, primates, fossils, and relationship to the animal world.
  • PREREQUISITE: None.

  All sections of ANT-1 below are web-enhanced classes. Internet access is required.

  37123 10:30AM 11:55AM  MW  HUM 111  S Standen
     Last day to add: 09/06/13

  37121 10:30AM 01:40PM  F  HUM 111  D Cheetham
     Last day to add: 09/06/13

  37119 11:15AM 12:40PM  TTH  HUM 111  A Gray
     Last day to add: 09/06/13

  37120 02:30PM 03:55PM  MW  HUM 111  A Gray
     Last day to add: 09/06/13

ANT-2 CULTURAL ANTHRO  3.00 UNITS
An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures.
  • PREREQUISITE: None.

  All sections of ANT-2 below are web-enhanced classes. Internet access is required.

  37124 08:45AM 10:10AM  MW  HUM 111  R Mongelluzzo
     Last day to add: 09/06/13

  37125 09:40AM 11:05AM  TTH  HUM 111  A Mejia
     Last day to add: 09/06/13

  37126 12:45PM 02:10PM  MW  HUM 111  A Gray
     Last day to add: 09/06/13

EVENING

37122 06:00PM 09:10PM  W  HUM 111  D Cheetham
     Last day to add: 09/06/13

ONLINE

37680 ON LINE  A Gray
     Last day to add: 09/06/13

The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ANT-4 NATIVE AMERICAN CULTURES  3.00 UNITS
A survey of Native American cultures and peoples of North America.
  • PREREQUISITE: None.

EVENING

37681 06:00PM 09:10PM  TH  HUM 111  C Goralski
     Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.

ANATOMY & PHYSIOLOGY

AMY-2A ANATOMY & PHYSIOLOGY I  4.00 UNITS
An integrated study of body organization and terminology, cells and tissues, skeletal and muscular systems, and eye and ear.
  • PREREQUISITE: BIO-1 or 1H.

37113 12:00PM 12:50PM  M  IT 117  P Campo
  09:30AM 12:40PM  TTH  ST 207
  12:00PM 01:50PM  W  IT 117
  Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.

37116 08:00AM 11:10AM  MW  ST 207  P Campo
  12:00PM 12:50PM  M  IT 117
  12:00PM 01:50PM  W  IT 117
  Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.

AMY-2B ANATOMY & PHYSIO II  4.00 UNITS
An integrated study of these systems: nervous, endocrine, cardiovascular, respiratory, urinary, digestive and reproductive organ systems.
  • PREREQUISITE: AMY-2A.

37114 12:45PM 03:55PM  MW  ST 211  S Standen
  04:15PM 05:05PM  M  ATEC 114  C Sternburg
  04:15PM 05:20PM  W  ATEC 114
  Last day to add: 09/06/13

37115 04:15PM 05:05PM  M  ATEC 114  C Sternburg
  06:00PM 09:10PM  MW  ST 211
  04:15PM 05:20PM  W  ATEC 114
  Last day to add: 09/06/13

AMY-10 SURVEY HUMAN ANAT/PHYSIO  3.00 UNITS
A survey of the structure and function of human cells, tissues and systems - for Allied Health majors.
  • PREREQUISITE: None.

37112 04:15PM 05:40PM  TTH  IT 101  P Campo
  Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.
ANT-8  LANGUAGE AND CULTURE  3.00 UNITS
An introduction to the anthropological study of language and communication in world cultures.

**PREREQUISITE:** None.

37682  04:15PM 05:40PM  MW  HUM 111  A Gray
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

ARCHITECTURE

ARE-24  ARCHITECTURAL DRAFTING  3.00 UNITS
Introduction to architectural drafting techniques with emphasis on line quality, lettering, dimensioning, scaling, notes.

**PREREQUISITE:** ENE-21 and 30.

EVENING
37130  06:00PM 09:15PM  MW  IT 121  W Brown
Last day to add: 09/06/13

ARE-36  HIST ARCH RENAISSANCE-MODERN  3.00 UNITS
Purposes and types of buildings from Renaissance to present day. Emphasis on processes and sources of design.

**PREREQUISITE:** None.

ONLINE
37131  ON LINE  J Jorgensen
Last day to add: 09/06/13
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ARE-37  ARCHITECTURAL DESIGN I  3.00 UNITS
An introduction to the basic environmental design elements and principles of two and three dimensional design.

**PREREQUISITE:** None.

WEEKEND
37132  09:30AM 04:15PM  S  ATEC 109  J Jorgensen
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

ART

ART-6  ART APPRECIATION  3.00 UNITS
An introductory course for the non-art major. An overview of the creative process and various art forms.

**PREREQUISITE:** None.

**ADVISORY:** Qualification for ENG-1A.

37141  12:45PM 02:10PM  MW  WEQ W7  L McNamara
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

EVENING
37143  06:00PM 09:10PM  T  ATEC 114  Q Bemiller
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

37142  06:00PM 09:10PM  TH  IT 117  Q Bemiller
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

ONLINE
37144  08/26/13 10/18/13  ON LINE  K Skiba
Last day to add: 09/03/13
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

ART-10  MODERN & CONTEMPORARY ART HIST  3.00 UNITS
Survey of the history of modern and contemporary art beginning with mid-19th century (Realism and Impressionism) and continuing through current trends and new media.

**PREREQUISITE:** None.

37133  04:15PM 05:40PM  TTH  ATEC 114  D Segura
Last day to add: 09/06/13

ART-17  BEGINNING DRAWING  3.00 UNITS
Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills.

**PREREQUISITE:** None.

37136  08:30AM 11:25AM  MW  ATEC 209  L McNamara
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

37134  02:30PM 05:25PM  TTH  ATEC 209  Q Bemiller
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

EVENING
37135  06:00PM 08:55PM  MW  ATEC 209  S Vandermeiden
Last day to add: 09/06/13

ART-22  BASIC DESIGN  3.00 UNITS
Introduction to the fundamentals of two-dimensional design. The practice of the organization of the visual elements, according to the principles of design.

**PREREQUISITE:** None.

37137  11:30AM 02:25PM  MW  ATEC 209  Q Bemiller
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

ART-26  BEGINNING PAINTING  3.00 UNITS
Introduction to painting (oil or acrylic); technique, process, perception, color theory, composition, and creativity.

**PREREQUISITE:** ART-17.

37138  02:30PM 05:25PM  MW  ATEC 209  S Vandermeiden
Last day to add: 09/06/13

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!
www.norcollegebookstore.com
ART-36 COMPUTER ART 3.00 UNITS
Creating fine art and design using digital media. Exploration of art related software, the elements of art and design, and creative problem solving.
• PREREQUISITE: None.
• ADVISORY: ART-17 or 22 and computer experience.

ART-40 FIGURE DRAWING 3.00 UNITS
Drawing the figure from a live nude model using a variety of materials.
• PREREQUISITE: ART-17 or 22.

BIOLOGY

BIO-1 GENERAL BIOLOGY 4.00 UNITS
A study of life as revealed in biological systems using cellular, organismic and ecological approaches. The basic principles of cellular biology, biochemistry, genetics, evolution, ecology and the social implications of biology are included.
• PREREQUISITE: None.

All sections of Bio-1 below are web-enhanced classes. Internet access is required.

BIO-5 GENERAL BOTANY 4.00 UNITS
Introduction to plant science, emphasizing structures, functions and ecology of the major plant divisions.
• PREREQUISITE: None.

BUSINESS ADMINISTRATION

BUS-10 INTRO TO BUSINESS 3.00 UNITS
Considers scope, function and organization of business, including principles and practices, with an integrated global perspective.
• PREREQUISITE: None.

All sections of Bus-10 below are web-enhanced classes. Internet access is required.
BUS-18A BUSINESS LAW I  3.00 UNITS
Legal and ethical environment of business torts, contracts, sales and principles of employment.
• PREREQUISITE: None.

37163 12:45PM 02:10PM W IT 210 T Wagner
Last day to add: 09/06/13
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

EVENING
37164 06:30PM 09:40PM M JFK 112 T Wagner
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

ONLINE
37162  ON LINE  C Pentis
Last day to add: 09/06/13
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

BUS-18B BUSINESS LAW II  3.00 UNITS
Commercial paper, business organizations, government regulations, protection of property rights and international law.
• PREREQUISITE: None.

EVENING
37165 06:30PM 09:40PM T JFK 112 Staff
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

BUS-20 BUSINESS MATH  3.00 UNITS
Introduces math based approaches to solving common business problems. Includes the areas of business statistics, pricing, payroll, taxes, interest, personal finance, and business finance.
• PREREQUISITE: None.

37655 04:15PM 05:40PM TTH ATEC 205 R Beck
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

BUS-22 MGMT COMMUNICATIONS  3.00 UNITS
Examines the dynamics of organizational communication including interpersonal, verbal, nonverbal and written.
• PREREQUISITE: None.
• ADVISORY: CAT-30.

EVENING
37656 10:30AM 11:55AM MW IT 108 V Mixson
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

ONLINE
37735  ON LINE G Zwart
Last day to add: 09/06/13
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

BUS-47 APPLIED BUS, MGMT ETHICS  3.00 UNITS
An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as MAG-47)
• PREREQUISITE: None.

EVENING
37172 06:30PM 09:40PM TH IT 111 A Riker
Last day to add: 09/06/13
The above section is a hybrid class that meets alternating Thursdays beginning 08/29/13. Computer with Internet access required. See www.opencampus.com.

ONLINE
37735  ON LINE G Zwart
Last day to add: 09/14/13
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
### BUS-80 PRINCIPLES OF LOGISTICS  3.00 UNITS
Introduction to the field of logistics and the methods for improving product distribution effectiveness.
- **PREREQUISITE:** None.

**EVENING**
37173  06:00PM 07:25PM  T  IT  109  R Beck
Last day to add: 09/06/13
The above section is a hybrid class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

**ONLINE**
37657  10:21/13 12/13/13
10/21/13 12/16/13
Last day to add: 10/29/13
The above section is a short term online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

### BUS-82 FREIGHT CLAIMS  1.50 UNITS
Review of the techniques for avoiding losses in transit and of the preparation, filing and resolution of freight claims.
- **PREREQUISITE:** None.

**EVENING**
37174  06:30PM 09:40PM  W  IT  210  C Pentis
08/28/13 10/16/13
Last day to add: 09/01/13
The above section is a short term class. Please note the start and end dates.

### BUS-83 CONTRACTS  1.50 UNITS
An analysis of considerations involved in the drafting and negotiation of freight and logistics contracts.
- **PREREQUISITE:** None.

**EVENING**
37175  06:30PM 09:40PM  W  IT  210  C Pentis
10/21/13 12/11/13
Last day to add: 10/27/13
The above section is a short term class. Please note the start and end dates.

### BUS-87 PURCHASING AND SUPPLY MGMT  3.00 UNITS
Study of the purchasing and supply manager’s role in procurement of resources that organizations need to attain goals, with emphasis on decision making, supplier integration, internal relationships, and customer service.
- **PREREQUISITE:** None.

**ONLINE**
37176  10/28/13 10/18/13
08:45AM 11:55AM TTH 208
Last day to add: 09/03/13
The above section is a web-enhanced class. Internet access is required.

### BUS-90 INTERNATIONAL LOGISTICS  3.00 UNITS
Introduction to the role of logistics in global business.
- **PREREQUISITE:** None.

**ONLINE**
37177  10/21/13 12/13/13
08:45AM 11:55AM TTH 208
Last day to add: 10/29/13
The above section is a short term online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

### CHEMISTRY

#### CHE-1A GENERAL CHEMISTRY I  5.00 UNITS
Simple chemical systems-gas laws, weight relations, thermodynamics, atomic structure and bonding.
- **PREREQUISITE:** CHE-2A or 3 and MAT-35.

37178  10:30AM 11:55AM  MW  ST  108  S Freitas
08:45AM 11:55AM  TTH 208
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

#### CHE-1B GENERAL CHEMISTRY II  5.00 UNITS
Sequel to CHE-1A: reaction rates, equilibrium, acid-base, thermodynamics, electrochemistry, nuclear, inorganic and organic chemistry.
- **PREREQUISITE:** CHE-1A or 1AH.

37179  02:30PM 03:55PM  MW  IT  210  S Tyler
02:30PM 05:40PM  TTH 208
Last day to add: 09/06/13

#### CHE-2A INTRO CHEMISTRY I  4.00 UNITS
Introductory chemical concepts with health and environmental applications; fulfills the needs of non-science majors.
- **PREREQUISITE:** MAT-52.

37673  10:30AM 11:55AM  MW  IT  117  S Tyler
08:45AM 11:55AM  T 204
Last day to add: 09/06/13

37674  10:30AM 11:55AM  MW  IT  117  S Tyler
08:45AM 11:55AM  TH 204
Last day to add: 09/06/13

37182  02:00PM 05:10PM  M  IT  210  M Chemama
02:00PM 03:25PM  TTH 204
Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.

37183  02:00PM 03:25PM  TTH 210  M Chemama
02:00PM 05:10PM  W 204
Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.

#### CHE-2B INTRO CHEMISTRY II  4.00 UNITS
## COMMERCIAL MUSIC

### MUC-1A  BEG PERFORMANCE TECHNIQUES  2.00 UNITS
Introduction to practical performance techniques for the recording studio. Students will have the opportunity to participate in the planning process of a recording session. This class is appropriate for vocalist and instrumentalist.
- **PREREQUISITE:** None.

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<th>CRN</th>
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### MUC-1B  INTER PERFORMANCE TECHNIQUES  2.00 UNITS
Skills development in performance and studio technique as they relate to: song formation, collaboration, microphone, mixing and production.
- **PREREQUISITE:** MUC-1A.

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### MUC-3  INTRO TO PRO TOOLS  3.00 UNITS
An introduction to MIDI and digital audio using the industry-standard Pro Tools software.
- **PREREQUISITE:** None.

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### MUC-6  SOUND DESIGN II  3.00 UNITS
Building on the technologies discussed in Sound Design I, this course allows the student to actively implement, design, and control the audio assets in a game or multimedia project.
- **PREREQUISITE:** MUC-5 and CIS/CSC-5.

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### MUC-7  INTRO TO MUSIC TECHNOLOGY  3.00 UNITS
An introduction to the fundamental techniques, equipment and applications of contemporary music technologies. Topics will include computer and Internet basics, a variety of music software, and electronic instruments. Course is ideal for any student wishing to gain more knowledge in music technology or continue in a commercial music certificate.
- **PREREQUISITE:** None.

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### MUC-8  COMPOSING MUSIC: VIDEO GAMES  3.00 UNITS
Explores the art of creating music for video games. Students will learn composition techniques, organization, and delivery formats unique to the interactive game industry.
- **PREREQUISITE:** MUC-3 and MUS-3.

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The above section is a web-enhanced class. Internet access is required.

### MUC-9  VOICE ACTING FOR VIDEO GAMES  3.00 UNITS
Provides students with the knowledge and experience needed to record voice-overs and dialogue for games and multimedia. For voice actors and students wishing to pursue experience in recording voice-overs.
- **PREREQUISITE:** COM-1 or 7 or THE-32.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37723</td>
<td>M</td>
<td>10:30AM - 11:20AM</td>
<td>IT106</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td>MW</td>
<td>11:35AM - 01:00AM</td>
<td>IT106</td>
<td></td>
</tr>
<tr>
<td></td>
<td>W</td>
<td>10:30AM - 11:35AM</td>
<td>IT106</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Last day to add: 09/06/13</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### MUC-10  NORCO CHOIR  2.00 UNITS
A mixed-voice ensemble dedicated to the performance of traditional choral music, commercial music, spirituals, choral jazz and other 20th century vocal works of the highest quality.
- **PREREQUISITE:** None.
- **LIMITATION ON ENROLLMENT:** Audition on or before the first class meeting.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37542</td>
<td>MWF</td>
<td>11:15AM - 12:35PM</td>
<td>THTR 204</td>
<td>Staff</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Last day to add: 09/16/13</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The above section has additional hours to be arranged. In addition to the time spent in class, students are expected to perform outside of class at various locations throughout the semester. All concert dates and times will be listed on the class syllabus.

### MUC-11  STUDIO ARTS ENSEMBLE  2.00 UNITS
Designed for instrumentalists, vocalists and technical crew interested in the field of commercial music and entertainment. This ensemble is open to singers, guitarists, drummers, bassists, horn players, string players, pianists/keyboards and/or technical crew members who work collaboratively to study, perform and/or record selected musical arrangements.
- **PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37543</td>
<td>TTH</td>
<td>04:00PM - 05:55PM</td>
<td>THTR 204</td>
<td>A Tabor</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Last day to add: 09/17/13</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class and has additional hours to be arranged. In addition to the time spent in class, students are expected to perform outside of class at various locations throughout the semester. All concert dates and times will be listed on the class syllabus. Internet access is required.
### COMMUNICATION STUDIES

**COM-1**  
**PUBLIC SPEAKING**  
3.00 UNITS  
Prepare, present and evaluate a variety of speeches.  
- **PREREQUISITE:** None.  
- **ADVISORY:** COM-51 and/or qualification for ENG-1A.  

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37212</td>
<td>07:10AM-08:35AM</td>
<td>MTWTH</td>
<td>IT 211</td>
<td>J Floerke</td>
<td>Last day to add: 09/02/13</td>
</tr>
</tbody>
</table>

The above section is a short term class. Please note the start and end dates.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37214</td>
<td>10:30AM-11:55AM</td>
<td>MW</td>
<td>IT 211</td>
<td>A Olaerts</td>
<td>Last day to add: 09/06/13</td>
</tr>
<tr>
<td>37215</td>
<td>11:15AM-12:40PM</td>
<td>TTH</td>
<td>IT 211</td>
<td>M Lewis</td>
<td>Last day to add: 09/06/13</td>
</tr>
<tr>
<td>37216</td>
<td>04:15PM-05:40PM</td>
<td>MW</td>
<td>IT 211</td>
<td>M Lewis</td>
<td>Last day to add: 09/06/13</td>
</tr>
</tbody>
</table>

**COM-1H**  
**HONORS PUBLIC SPEAKING**  
3.00 UNITS  
Enhanced instruction in the preparation, presentation and evaluation of a variety of speeches for students in the Honors Program.  
- **PREREQUISITE:** None.  
- **ADVISORY:** COM-51 and/or qualification for ENG-1A.  

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<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37678</td>
<td>08:45AM-10:10AM</td>
<td>MW</td>
<td>IT 211</td>
<td>A Olaerts</td>
<td>Last day to add: 09/06/13</td>
</tr>
</tbody>
</table>

**COM-3**  
**ARGUMENTATION AND DEBATE**  
3.00 UNITS  
Prepare and orally present different types of debate and develop ethical and well-reasoned arguments supported by evidence.  
- **PREREQUISITE:** None.  
- **ADVISORY:** COM-51 and/or qualification for ENG-1A.  

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37218</td>
<td>09:40AM-11:05AM</td>
<td>TTH</td>
<td>IT 210</td>
<td>M Weber</td>
<td>Last day to add: 09/06/13</td>
</tr>
</tbody>
</table>

**COM-6**  
**DYNAMICS OF SMALL GROUP COMMUN**  
3.00 UNITS  
Prepares students for effective, ethical participation and leadership in small groups and teams. Develops student's competence and confidence as a group member and leader.  
- **PREREQUISITE:** None.  
- **ADVISORY:** COM-51 and/or qualification for ENG-1A.  

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<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37684</td>
<td>06:00PM-09:10PM</td>
<td>T</td>
<td>IT 111</td>
<td>M Lewis</td>
<td>Last day to add: 09/06/13</td>
</tr>
</tbody>
</table>

**COM-9**  
**INTERPERSONAL COMMUNICATION**  
3.00 UNITS  
Analyzes the dynamics, components and ethics of the two-person communication process in relationships.  
- **PREREQUISITE:** None.  
- **ADVISORY:** COM-51 and/or qualification for ENG-1A.  

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37227</td>
<td>07:10AM-08:40AM</td>
<td>MTWTH</td>
<td>IT 211</td>
<td>J Floerke</td>
<td>Last day to add: 10/26/13</td>
</tr>
</tbody>
</table>

The above section is a short term class. Please note the start and end dates.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37224</td>
<td>08:00AM-09:25AM</td>
<td>TTH</td>
<td>IT 210</td>
<td>M Lewis</td>
<td>Last day to add: 09/06/13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37229</td>
<td>04:15PM-05:40PM</td>
<td>MW</td>
<td>IT 210</td>
<td>M Lewis</td>
<td>Last day to add: 09/06/13</td>
</tr>
</tbody>
</table>

The above section is a hybrid class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

### WEEKEND

**COM-11**  
**STORYTELLING**  
3.00 UNITS  
Students learn the role and history of storytelling and select, prepare, and present stories from a variety of genres and cultures.  
- **PREREQUISITE:** None.  
- **ADVISORY:** COM-51 and/or qualification for ENG-1A.  

<table>
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<tr>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37219</td>
<td>09:40AM-11:05AM</td>
<td>TTH</td>
<td>IT 211</td>
<td>M Lewis</td>
<td>Last day to add: 09/06/13</td>
</tr>
</tbody>
</table>

**COM-12**  
**INTERCULTURAL COMMUNICATION**  
3.00 UNITS  
Explores the diverse communication components across cultures.  
- **PREREQUISITE:** None.  
- **ADVISORY:** COM-51 and/or qualification for ENG-1A.

### EVENING

**COM-1H**  
**HONORS PUBLIC SPEAKING**  
3.00 UNITS  
Enhanced instruction in the preparation, presentation and evaluation of a variety of speeches for students in the Honors Program.  
- **PREREQUISITE:** None.  
- **ADVISORY:** COM-51 and/or qualification for ENG-1A.  

<table>
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<tr>
<th>CRN</th>
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<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37678</td>
<td>08:45AM-10:10AM</td>
<td>MW</td>
<td>IT 211</td>
<td>A Olaerts</td>
<td>Last day to add: 09/06/13</td>
</tr>
</tbody>
</table>

**COM-3**  
**ARGUMENTATION AND DEBATE**  
3.00 UNITS  
Prepare and orally present different types of debate and develop ethical and well-reasoned arguments supported by evidence.  
- **PREREQUISITE:** None.  
- **ADVISORY:** COM-51 and/or qualification for ENG-1A.  

<table>
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<tr>
<th>CRN</th>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>37216</td>
<td>08:26/13-10/18/13</td>
<td>ON</td>
<td>A Olaerts</td>
<td></td>
<td>Last day to add: 09/03/13</td>
</tr>
</tbody>
</table>

The above section is a short term online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.
COMPUTER INFORMATION SYSTEMS

CIS-1A INTRO TO COMP INFO SYS  3.00 UNITS
Introduction to computer concepts, theory and computer applications. Functions and capabilities of word processors, spreadsheets, databases, presentation graphics and the Internet are covered through lecture, discussion and hands-on computer assignments.
• PREREQUISITE: None.

All sections of CIS-1A below are web-enhanced classes and have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Computer Lab in LIBR LRC for 1 hour per week. Internet access is required.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last Day to Add</th>
</tr>
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<tbody>
<tr>
<td>37189</td>
<td>08:00AM 09:25AM</td>
<td>TTH</td>
<td>ATEC 118</td>
<td>V Browne</td>
<td>09/06/13</td>
</tr>
<tr>
<td>37196</td>
<td>08:45AM 11:55AM</td>
<td>F</td>
<td>ATEC 118</td>
<td>D Friedman</td>
<td>09/06/13</td>
</tr>
<tr>
<td>37192</td>
<td>09:40AM 11:05AM</td>
<td>TTH</td>
<td>ATEC 118</td>
<td>V Browne</td>
<td>09/06/13</td>
</tr>
<tr>
<td>37190</td>
<td>12:45PM 02:10PM</td>
<td>MW</td>
<td>ATEC 118</td>
<td>B Fuller</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

EVENING

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<tr>
<th>Course Code</th>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last Day to Add</th>
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</thead>
<tbody>
<tr>
<td>37194</td>
<td>06:00PM 09:10PM</td>
<td>W</td>
<td>ATEC 118</td>
<td>W Manges</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

All sections of CIS-1A below are online classes. Computer with Internet access is required. See www.opencampus.com.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last Day to Add</th>
</tr>
</thead>
<tbody>
<tr>
<td>37188</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td>C Brotherton</td>
<td>09/06/13</td>
</tr>
<tr>
<td>37191</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td>C Brotherton</td>
<td>09/06/13</td>
</tr>
<tr>
<td>37193</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td>B Fuller</td>
<td>09/06/13</td>
</tr>
<tr>
<td>37195</td>
<td>ONLINE</td>
<td></td>
<td></td>
<td>B Fuller</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

CIS-5 PROGRAM LOGIC USING C++  4.00 UNITS
Introduction to computer science for gaming, business, scientific and mathematical applications using C++. (Same as CSC-5)
• PREREQUISITE: None.
• ADVISORY: CIS-1A.

All sections of CIS-5 below are web-enhanced classes. Internet access is required.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
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<th>Last Day to Add</th>
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</thead>
<tbody>
<tr>
<td>37707</td>
<td>08:45AM 03:05PM</td>
<td>F</td>
<td>IT 125</td>
<td>T Pryor</td>
<td>09/06/13</td>
</tr>
<tr>
<td>37198</td>
<td>02:00PM 04:50PM</td>
<td>TTH</td>
<td>ATEC 118</td>
<td>A Rainey</td>
<td>09/06/13</td>
</tr>
<tr>
<td>37197</td>
<td>02:30PM 05:20PM</td>
<td>MW</td>
<td>ATEC 118</td>
<td>J Ruiz</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

EVENING

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<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>37706</td>
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<td>MW</td>
<td>IT 106</td>
<td>C Andersen</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

CIS-17A C++ PROGRAMMING: OBJECTS 3.00 UNITS
Object-Oriented program development using C++. (Same as CSC-17A)
• PREREQUISITE: CIS/CSC-5.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last Day to Add</th>
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</thead>
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<tr>
<td>37184</td>
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<td>M</td>
<td>IT 106</td>
<td>M Soriano</td>
<td>09/06/13</td>
</tr>
<tr>
<td>37185</td>
<td>03:45PM 05:25PM</td>
<td>W</td>
<td>IT 106</td>
<td>M Soriano</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class. Internet access is required.

CIS-17C C++ PROGRAMMING: DATA STRUCT 3.00 UNITS
This course presents the essential principles of data structures for the development of computer programs using C++. (Same as CSC-17C)
• PREREQUISITE: None.
• ADVISORY: CIS/CSC-17A.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last Day to Add</th>
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</thead>
<tbody>
<tr>
<td>37185</td>
<td>12:15PM 02:20PM</td>
<td>M</td>
<td>IT 127</td>
<td>M Soriano</td>
<td>09/06/13</td>
</tr>
<tr>
<td></td>
<td>12:15PM 01:55PM</td>
<td>W</td>
<td>IT 127</td>
<td>M Soriano</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class. Internet access is required.

CIS-18A JAVA PROGRAMMING: OBJECTS 3.00 UNITS
An introduction to Java programming for students already experienced in programming concepts, which includes defining and implementing functional procedures. (Same as CSC-18A)
• PREREQUISITE: None.
• ADVISORY: CIS/CSC-5.

EVENING

<table>
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<th>Location</th>
<th>Instructor</th>
<th>Last Day to Add</th>
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</thead>
<tbody>
<tr>
<td>37186</td>
<td>06:00PM 10:00PM</td>
<td>TH</td>
<td>IT 106</td>
<td>C Andersen</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class. Internet access is required.
CIS-18B JAVA PROGRAMMING: ADV. OBJECTS 3.00 UNITS
An advanced programming course in JAVA suitable for business, e-commerce and gaming applications. (Same as CSC-18B)
• PREREQUISITE: None.
• ADVISORY: CIS/CSC-18A.

EVENING
37187 06:00PM 10:00PM M ATEC 118 J Ruiz
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

CIS-54A INTRO TO FLASH 3.00 UNITS
Prepares students to learn Flash, an animation and interactivity tool for the web and training mediums. (Same as CAT-54A)
• PREREQUISITE: None.
• ADVISORY: Competency in the use of a computer and familiarity with the Internet; CIS-95A.

EVENING
37687 06:00PM 10:00PM T IT 106 J Dalby
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

CIS-66 WEB DEVELOPMENT I 3.00 UNITS
An introduction to the web technologies and languages. This course provides in-depth understanding of the roles of markup and scripting languages to display text and multimedia content for basic web pages.
• PREREQUISITE: None.

All sections of CIS-66 below are web-enhanced classes and have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Computer Lab in LIBR LRC for 1 hour per week. Internet access is required.

37700 09:40AM 11:05AM TTH IT 127 J Coverdale
Last day to add: 09/06/13
37701 10:30AM 11:55AM MW IT 127 J Coverdale
Last day to add: 09/06/13

CIS-74 DIGITAL DESIGN I 3.00 UNITS
Introduction to graphic design for multimedia applications. Covers usage of tools, overview of project management and workflow, interface design, and preparation of assets for multimedia applications.
• PREREQUISITE: None.

All sections of CIS-74 below are web-enhanced classes and have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Computer Lab in LIBR LRC for 1 hour per week. Internet access is required.

37703 08:45AM 10:10AM MW IT 127 C Brotherton
Last day to add: 09/06/13
37702 11:15AM 12:40PM TTH IT 127 C Brotherton
Last day to add: 09/06/13

CIS-76B INTRO TO DREAMWEAVER 3.00 UNITS
Learn to design and administer industry-standard personal and business websites using Dreamweaver.
• PREREQUISITE: None.
• ADVISORY: CIS/CAT-95A.

37202 11:15AM 12:40PM TTH ATEC 118 V Browne
Last day to add: 09/06/13
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Computer Lab in LIBR LRC for 1 hour per week. Internet access is required.

CIS-78A INTRO ADOBE PHOTO SHOP 3.00 UNITS
Introduction to Adobe Photoshop including selecting, layers, masks, channels and vector art for manipulating images. (Same as CAT-78A)
• PREREQUISITE: None.

ONLINE
37203 ON LINE B Steffel
Last day to add: 09/06/13
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

CIS-79 INTRO ADOBE ILLUSTRATOR 3.00 UNITS
Fundamentals of Adobe Illustrator including creating objects, drawing paths, designing with type and working with graphics. (Same as CAT-79)
• PREREQUISITE: None.

ONLINE
37204 ON LINE B Steffel
Last day to add: 09/06/13
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

NORCO COMPUTER LAB HOURS
Fall 2013 Learning Resource Center
Monday – Thursday .............................................9:00AM – 7:00PM
Friday ..................................................................9:00AM – 2:00PM

COMPUTER SCIENCE
CSC-11 ASSEMBLY PROGRAMMING 3.00 UNITS
Assembly language implementation with higher level language mapping. (Same as CIS-11)
• PREREQUISITE: None.
• ADVISORY: CIS-5 or CSC-5.

EVENING
37704 06:00PM 10:00PM TH ATEC 118 A Rainey
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.
CONSTRUCTION TECHNOLOGY

CON-61 MATERIALS OF CONSTR  3.00 UNITS
Introduction to properties and use of materials commonly used in the construction of buildings.
• PREREQUISITE: None.

EVENING
37228 06:30PM 09:40PM  T IT 123  P Link
Last day to add: 09/06/13

CON-62 BLUEPRINT READING  3.00 UNITS
Overview of the basic concepts of reading construction blueprints.
• PREREQUISITE: None.

EVENING
37229 06:30PM 09:40PM  M IT 122  R Skagg
Last day to add: 09/06/13

CON-63A UNIFORM BLDG CODE/ORDIN  3.00 UNITS
Use of uniform building code in plan checking for compliance.
• PREREQUISITE: None.

EVENING
37230 06:30PM 09:40PM  TH IT 123  J Thomas
Last day to add: 09/06/13

CON-63B ANALYSIS OF REVISIONS-UBC  3.00 UNITS
This course is for students who have successfully completed CON-63A but need refreshing on code revisions.
• PREREQUISITE: CON-63A.

EVENING
37231 06:30PM 09:40PM  TH IT 123  J Thomas
Last day to add: 09/06/13

CON-63C ANALYSIS OF REVISIONS-UBC  3.00 UNITS
This course is for students who have successfully completed CON-63A but need refreshing on code revisions.
• PREREQUISITE: CON-63A.

EVENING
37232 06:30PM 09:40PM  TH IT 123  J Thomas
Last day to add: 09/06/13

CON-63D ANALYSIS OF REVISIONS-UBC  3.00 UNITS
This course is for students who have successfully completed CON-63A but need refreshing on code revisions.
• PREREQUISITE: CON-63A.

EVENING
37233 06:30PM 09:40PM  TH IT 123  J Thomas
Last day to add: 09/06/13

CON-65 PLUMBING CODE  3.00 UNITS
Review of plumbing codes and regulations relating to construction.
• PREREQUISITE: None.

EVENING
37234 06:30PM 09:40PM  TH IT 122  T Kearns
Last day to add: 09/06/13

CON-66 NATIONAL ELEC CODE  3.00 UNITS
Review of electrical codes and code requirements.
• PREREQUISITE: None.

EVENING
37235 06:30PM 09:40PM  M IT 123  J Thomas
Last day to add: 09/06/13

CON-68 BLDG INSPECTORS ENGR  3.00 UNITS
Fundamental static and stress calculations. Properties of sections.
• PREREQUISITE: None.

EVENING
37236 06:30PM 09:40PM  W IT 123  J Thomas
Last day to add: 09/06/13

CON-70 SOIL TECH FNDAMENTLS  3.00 UNITS
Inspection and testing of soils, their classification and characteristics.
• PREREQUISITE: None.

EVENING
37237 06:30PM 09:40PM  T IT 122  J Thomas
Last day to add: 09/06/13

EARLY CHILDHOOD EDUCATION

EAR-19 OBSERVATION & ASSESSMENT-ECE  3.00 UNITS
Appropriate use of a variety of assessment and observation strategies to document child development and behavior.
• PREREQUISITE: None.

37697 09:40AM 11:05AM  TTH IT 209  S Burnett
Last day to add: 09/06/13

EAR-20 CHILD GROWTH AND DEVELOPMENT  3.00 UNITS
A comprehensive overview of concepts, issues and theories of human development from conception through adolescence.
• PREREQUISITE: None.

37240 08:00AM 09:25AM  TTH IT 209  S Burnett
Last day to add: 09/06/13

37239 08:45AM 10:10AM  MW IT 209  S Burnett
Last day to add: 09/06/13

37241 02:00PM 03:25PM  TTH IT 209  S Burnett
Last day to add: 09/06/13

EAR-24 INTRO TO CURRICULUM  3.00 UNITS
An overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 6.
• PREREQUISITE: None.

37242 10:30AM 01:40PM  W IT 209  S Burnett
Last day to add: 09/06/13
**EAR-25** TEACHING IN A DIVERSE SOCIETY 3.00 UNITS
Students will examine the development of social identities in a diverse society and consider culturally relevant and linguistically anti-bias approaches to supporting all children become competent members of a diverse society.
- **PREREQUISITE:** None.

**EVENING**
37243 06:00PM 09:10PM M IT 209 B Zentgraf
Last day to add: 09/06/13

**EAR-28** PRINCIPLES/PRACTICES 3.00 UNITS
An examination of the underlying theoretical principles of developmentally appropriate practices as they apply to various aspects of early childhood education.
- **PREREQUISITE:** None.

37244 10:30AM 01:40PM M IT 209 S Burnett
Last day to add: 09/06/13

**EAR-40** CHILDREN WITH SPECIAL NEEDS 3.00 UNITS
Introduces concepts basic to an understanding of infants and children with disabilities and other special needs and their families. Observation required.
- **PREREQUISITE:** None.

**EVENING**
37698 06:00PM 09:10PM T IT 209 S Way
Last day to add: 09/06/13

**EAR-42** CHILD, FAMILY, AND COMMUNITY 3.00 UNITS
An examination of the developing child in a societal context focusing on child, family, and the community with an emphasis on historical and socio-cultural factors.
- **PREREQUISITE:** None.

**EVENING**
37246 06:00PM 09:10PM W IT 209 T Oliver
Last day to add: 09/06/13

**ECONOMICS**
**ECO-4** INTRO ECONOMICS 3.00 UNITS
An entry-level, general education course which introduces and surveys basic macroeconomic and microeconomic principles.
- **PREREQUISITE:** None.

37249 08:00AM 09:25AM TTH IT 109 C Rajakone
Last day to add: 09/06/13

37248 10:30AM 11:55AM MW IT 109 P Boelman
Last day to add: 09/06/13

**ECO-7** MACROECONOMICS 3.00 UNITS
Economic theory and analysis as applied to the U.S. economy as a whole.
- **PREREQUISITE:** MAT-52.
- **ADVISORY:** MAT-35 and qualification for ENG-1A.

37250 09:40AM 11:05AM TTH IT 109 P Boelman
Last day to add: 09/06/13

37251 02:30PM 03:55PM MW IT 109 P Boelman
Last day to add: 09/06/13

**ECO-8** MICROECONOMICS 3.00 UNITS
Economic theory and analysis applied to consumer and producer behavior in markets.
- **PREREQUISITE:** MAT-52.
- **ADVISORY:** MAT-35 and qualification for ENG-1A.

37253 11:15AM 12:40PM TTH IT 109 P Boelman
Last day to add: 09/06/13

37252 12:45PM 02:10PM MW IT 101 P Boelman
Last day to add: 09/06/13

**EVENING**
37254 06:00PM 09:10PM W IT 109 P Boelman
Last day to add: 09/06/13

**ELECTRONICS**
**ELE-11** DC ELECTRONICS 4.00 UNITS
Basic DC electrical theory, devices, circuits and applications including resistors, capacitors, coils and motors.
- **PREREQUISITE:** None.

**EVENING**
37255 06:30PM 09:40PM TTH CACT 1 R Chomko
Last day to add: 09/06/13

**ELE-26** MICROPROCESSORS, MICROCONTR 4.00 UNITS
Introduction to microprocessors and microcontrollers.
- **PREREQUISITE:** None.
- **ADVISORY:** ELE-25.

**EVENING**
37649 09:40AM 11:05AM TTH IT 121 G Graham
Last day to add: 09/06/13

**ELE-27** TECHNICAL COMMUNICATIONS 3.00 UNITS
Procedures for organizing and presenting technical data. (Same as ENE-27)
- **PREREQUISITE:** None.

**EVENING**
37257 06:00PM 09:40PM T JFK 118 Staff
Last day to add: 09/06/13

**ELE-28** MULTISIM CAD & PCB DESIGN/FAB 3.00 UNITS
MultiSim (CAD) schematic capture, simulation, printed circuit board (PCB) design and fabrication.
- **PREREQUISITE:** None.

**EVENING**
37650 06:30PM 07:40PM TTH IT 121 G Graham
07:45PM 09:25PM TTH IT 121 G Graham
Last day to add: 09/06/13

**WARNING!**
REGISTRATION WILL BE BLOCKED IF YOU HAVE NOT MET THE PREREQUISITE!
ELE-64 PROGRAMMABLE LOGIC CONTR 3.00 UNITS
Fundamentals of programmable logic controllers. Programming, installation, maintenance, troubleshooting and repair of PLC systems.
(Same as MAN-64)
• PREREQUISITE: None.
• ADVISORY: ELE-10 or 21.

EVENING
37258 06:00PM 06:55PM TTH IT 124 P Van Hulle
07:00PM 08:25PM TTH IT 124 Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.

ENGINEERING

ENE-1A PLANE SURVEYING, I 3.00 UNITS
Fundamental surveying methods and procedures.
• PREREQUISITE: None.
• ADVISORY: MAT-36.

EVENING
37259 06:00PM 08:10PM T IT 210 W Hofferber Jr.
08:00AM 02:30PM S HUM 102 Last day to add: 09/17/13

The laboratory portion of the above section meets on the following Saturdays: 09/07, 09/21, 10/05, 10/19, 10/26, 11/09, 11/23, 12/07.

ENE-21 DRAFTING 3.00 UNITS
Fundamentals of mechanical drawing including lettering, instruments, projection, freehand drawing, and auxiliary views.
• PREREQUISITE: None.

37261 02:00PM 05:15PM TTH ATEC 109 G Cordier Last day to add: 09/06/13

EVENING
37262 06:00PM 09:15PM MW ATEC 109 G Balteria Last day to add: 09/06/13

ENE-22 ENGINEERING DRAWING 3.00 UNITS
Drafting fundamentals reviewed geometric construction, orthographic projections, freehand sketching, sectioning, etc.
• PREREQUISITE: ENE-21.
• ADVISORY: ENE-30.

37263 02:30PM 05:45PM MW IT 127 G Cordier Last day to add: 09/06/13

ENE-28 TECHNICAL DESIGN 3.00 UNITS
Study of industrial design and drafting procedures relating to the basic elements of mechanisms.
• PREREQUISITE: ENE-22.
• ADVISORY: ENE-30, 42 and 52.

37264 02:30PM 05:45PM MW IT 127 G Cordier Last day to add: 09/06/13

ENE-30 COMPUTER AIDED DRAFTING 3.00 UNITS
Two-dimensional computer-aided drafting, using AUTOCAD.
• PREREQUISITE: None.
• ADVISORY: CIS-1A.

37651 08:10AM 11:25AM TTH ATEC 109 P Van Hulle Last day to add: 09/06/13
37266 02:30PM 05:45PM MW IT 125 C Garcia Last day to add: 09/06/13

EVENING
37265 06:00PM 09:15PM TTH IT 127 G Cordier Last day to add: 09/06/13

ENE-42 SOLIDWORKS I 3.00 UNITS
Basic parametric solid modeling techniques using SolidWorks and advancing into complex assemblies requiring animation.
• PREREQUISITE: None.
• ADVISORY: PC computer experience.

37268 02:30PM 05:45PM TTH IT 125 C Garcia Last day to add: 09/06/13

EVENING
37267 06:00PM 09:15PM MW IT 125 C Garcia Last day to add: 09/06/13

ENE-42B SOLIDWORKS II 3.00 UNITS
This course is designed to further 3D parametric solid modeling software techniques learned in SolidWorks I.
• PREREQUISITE: ENE-42 or prior SolidWorks experience.

EVENING
37652 06:00PM 09:15PM TTH IT 125 C Garcia Last day to add: 09/06/13

ENE-51 BLUEPRINT READING 2.00 UNITS
Beginning course in blueprint reading. This course is designed for the machine trades.
• PREREQUISITE: None.

37269 08:10AM 11:20AM F IT 127 G Cordier Last day to add: 09/06/13

ENE-52 GEOMETRIC DIMEN & TOLER 2.00 UNITS
Covers international standards regarding form and fit using industry and government standards.
• PREREQUISITE: None.

EVENING
37270 06:00PM 08:05PM W IT 127 G Cordier Last day to add: 09/06/13
ENG-1A  ENGLISH COMPOSITION  4.00 UNITS
Teaches college-level critical reading, academic writing, and research skills.

- PREREQUISITE: ENG-50 or ENG-80 or qualifying placement level.

The above section is designed with special emphasis on African American culture. See the instructor and a counselor before enrolling.

ENG-1AH  HONORS ENGLISH COMP  4.00 UNITS
Offers students in the Honors Program an enriched experience in the development of college-level critical reading, academic writing, and research skills.

- PREREQUISITE: ENG-50 or ENG-80 or qualifying placement level.
- LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

All sections of ENG-1A have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 1 hour per week.

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 1 hour per week.
ENG-1B  CRITICAL THINKING/WRITING  4.00 UNITS
Emphasizing argument, analysis and the study of literature, this course develops students' critical thinking, reading, and writing skills beyond the level achieved in ENG-1A.
•  PREREQUISITE: ENG-1A or 1AH.

All sections of ENG-1B have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 1 hour per week.

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The above section is a web-enhanced class. Internet access is required.

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ENG-1BH  HON CRITICAL THINK/WRIT  4.00 UNITS
An Honors course that focuses on literature and argument, while developing critical thinking, reading, and writing skills beyond the level achieved in ENG-1A or 1AH.
•  PREREQUISITE: ENG-1A or 1AH.
•  LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

37302  10:30AM 12:35PM  TTH  IT 108  M Bader  Last day to add: 09/06/13
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 1 hour per week.

ENG-6  BRITISH LITERATURE I  3.00 UNITS
Survey of British literature from its beginnings to 1800.
•  PREREQUISITE: ENG-1B or 1BH.
•  ADVISORY: ENG-1B or 1BH.

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ENG-10  SPECIAL STUDIES IN LIT  3.00 UNITS
Studies in a specific author, genre or literary theme.
•  PREREQUISITE: None.
•  ADVISORY: ENG-1B or 1BH.

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All sections of ENG-10 have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 1 hour per week.

ENG-50  BASIC ENGLISH COMP  4.00 UNITS
Prepares students for college-level reading and academic writing.
•  PREREQUISITE: ENG-60B, ESL-55 or qualifying placement level.
•  ADVISORY: REA-82 or qualifying placement level.

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The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

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The above section will have reading and writing assignments focusing on the Chicano experience and is designed for students in the Puente Program. See the instructor and a counselor before enrolling.

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<td>CACT 1</td>
<td>D Hogan</td>
<td>09/06/13</td>
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<td>IT 110</td>
<td>J Hill</td>
<td>09/06/13</td>
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<td>TTH</td>
<td>IT 110</td>
<td>J Hill</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

**ENG-60A ENGL FUND: SENT TO PARAGRAPH 4.00 UNITS**

This course instills basic writing, reading, and grammar skills via sentence and paragraph writing. (Non-degree credit course. Pass-No Pass only.)

- **PREREQUISITE:** None.

All sections of ENG-60A have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 1 hour per week unless otherwise noted.

**ENG-60B ENGL FUND: PARAGRAPH TO ESSAY 4.00 UNITS**

This course advances basic reading, writing, and grammar skills via the production of paragraphs and short essays. (Non-degree credit course. Pass-No Pass only.)

- **PREREQUISITE:** ENG-60A or qualifying placement level.

All sections of ENG-60B have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 1 hour per week unless otherwise noted.

- **PREREQUISITE:** ENG-60A or qualifying placement level.
ENG-80 PREPARATORY COMPOSITION 6.00 UNITS
Prepares students for college-level reading, writing, and critical thinking. (Non-degree credit course.)

- PREREQUISITE: None.

ENG-80 is an intensive accelerated course which provides an alternative option preparing students for entrance into ENG-1A.

All sections of ENG-80 have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 1 hour per week.

37341 08:15AM 10:20AM MWF IT 111 A Elizalde Last day to add: 09/06/13
37340 08:15AM 10:20AM TWTH IT 108 M Bader Last day to add: 09/06/13
37339 08:45AM 10:10AM MTWTH ST 108 T Comstock Last day to add: 09/06/13
37672 10:30AM 12:35PM MWF CACT 1 A Elizalde Last day to add: 09/06/13

ENG-85 WRITING CLINIC (ENGLISH) 0.50 UNITS
A self-paced, open-entry/open-exit, Writing and Reading Center-based modular course designed for those who need concentrated attention in various areas of grammar, punctuation, and composition. (Non-degree credit course. Pass-No Pass only.)

- PREREQUISITE: None.

37732 11:00AM 12:50PM F IT 110 D Mills 09/13/13 12/13/13 Last day to add: 09/06/13

The above section is a short term class. Please note the start and end dates.

NORCO ENGLISH AND WRITING LAB HOURS
Fall 2013 Learning Resource Center
Monday – Thursday ............................................ 9:00AM – 7:00PM
Friday .................................................................. 9:00AM – 2:00PM

All laboratory hours are by arrangement. Students who miss assigned lab time DO NOT make up hours. Students must attend lab during arranged times only.

ENGLISH AS A SECOND LANGUAGE

FALL 2013
ESL ONE-STOP DATES
(NEW ESL STUDENTS MUST TAKE PTE-ESL TEST)

We offer “ESL One-Stop” sessions. You can take the ESL placement test and attend a college orientation on the same date. An ESL One-Stop session takes about 3 ½ hours.

To schedule an appointment:
1. Go to www.norcocolllege.edu
2. Click on Student Services
3. Click on Assessment
4. Click on Appointments
5. Under Norco College, click on the Online Appointment System link

Complete testing schedules are available at: www.rcc.edu/services/assessment/dates.cfm

Please check the calendar for Norco College and then use the online appointment system to choose your appointment. If you need to speak with someone directly, please call the Norco College Assessment Center at (951) 372-7176.

ESL-51 BASIC WRITING AND GRAMMAR 4.00 UNITS
A beginning ESL course for non-native speakers focusing on basic academic writing and grammar skills. (Non-degree credit course. Pass-No Pass only.)

- PREREQUISITE: None.

EVENING
37342 06:30PM 09:00PM MW CACT 1 L Tougas Last day to add: 09/06/13

ESL-53 INTERMED WRITING/GRAMMAR 4.00 UNITS
An intermediate English as a Second Language course for non-native speakers focusing on academic writing and grammar skills. (Non-degree credit course. Pass-No Pass only.)

- PREREQUISITE: Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-52.

EVENING
37343 06:30PM 09:00PM TTH IT 206 D Tougas Last day to add: 09/06/13

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!
www.norcocollgebookstore.com
### ESL-54 HIGH-INTERMED WRITING/GRAMMAR 5.00 UNITS
A high-intermediate English as a Second Language course for non-native speakers of English focusing on academic grammar and writing skills, especially paragraph development.
- **PREREQUISITE:** Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-53.

<table>
<thead>
<tr>
<th>Class Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last day to add</th>
</tr>
</thead>
<tbody>
<tr>
<td>37344</td>
<td>11:15AM 01:45PM</td>
<td>MW</td>
<td>EEM E1</td>
<td>M Shirinian</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

All sections of ESL-54 and ESL-55 have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 1 hour per week.

### ESL-55 ADVANCED WRITING/GRAMMAR 5.00 UNITS
An advanced English as a Second Language course for non-native speakers of English focusing on college-level grammar and academic writing skills, especially essay development.
- **PREREQUISITE:** Qualifying placement level on a state-approved placement instrument, or successful completion of ESL-54.

<table>
<thead>
<tr>
<th>Class Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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<th>Last day to add</th>
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</thead>
<tbody>
<tr>
<td>37345</td>
<td>09:40AM 12:10PM</td>
<td>TTH</td>
<td>EEM E1</td>
<td>M Shirinian</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

### ESL-91 BEGIN ORAL COMMUNICATION 3.00 UNITS
A beginning conversation and idioms course for English as a Second Language students.
- **PREREQUISITE:** None.
- **ADVISORY:** Concurrent enrollment in ESL-51 or 52.

<table>
<thead>
<tr>
<th>Class Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last day to add</th>
</tr>
</thead>
<tbody>
<tr>
<td>37660</td>
<td>08:15AM 10:20AM</td>
<td>MW</td>
<td>LIBR 109</td>
<td>M Shirinian</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

### GEOGRAPHY

#### GEG-1 PHYSICAL GEOGRAPHY 3.00 UNITS
The interacting physical processes of air, water, land, and life which impact Earth's surface.
- **PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Class Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last day to add</th>
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<tr>
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<td>09/06/13</td>
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<tr>
<td>37368</td>
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<td>MW</td>
<td>ATEC 114</td>
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<td>09/06/13</td>
</tr>
<tr>
<td>37367</td>
<td>11:15AM 12:40PM</td>
<td>TTH</td>
<td>WEQ W5</td>
<td>E Ogbuchiekwe</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

### GEG-1L PHYSICAL GEOGRAPHY LAB 1.00 UNITS
Practical application of physical geography principles through geographically based in-class exercises.
- **PREREQUISITE:** None.
- **COREQUISITE:** Concurrent enrollment in or prior completion of GEG-1 or 1H.

<table>
<thead>
<tr>
<th>Class Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last day to add</th>
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<td>R Christov</td>
<td>09/06/13</td>
</tr>
<tr>
<td>37372</td>
<td>12:45PM 02:10PM</td>
<td>MW</td>
<td>ATEC 205</td>
<td>R Christov</td>
<td>09/06/13</td>
</tr>
<tr>
<td>37371</td>
<td>02:00PM 03:25PM</td>
<td>TTH</td>
<td>ATEC 205</td>
<td>E Ogbuchiekwe</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

### GEG-2 HUMAN GEOGRAPHY 3.00 UNITS
The geographic analysis of the human imprint on the planet. Topics include population, food, language, religion, economic activity, physical environment and political geography.
- **PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Class Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last day to add</th>
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<tr>
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<td>MW</td>
<td>ATEC 205</td>
<td>J Eckstein</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

### GUIDANCE

#### GUI-45 INTRODUCTION TO COLLEGE 1.00 UNITS
Introduction to programs, resources and personal factors that contribute to college success.
- **PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Class Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last day to add</th>
</tr>
</thead>
<tbody>
<tr>
<td>37375</td>
<td>02:00PM 02:50PM</td>
<td>TTH</td>
<td>ATEC 210</td>
<td>J Moore</td>
<td>08/27/13 10/17/13</td>
</tr>
</tbody>
</table>

The above web-enhanced section is a short term class that is designed with special emphasis on African American culture and requires concurrent enrollment in ENG-60A-37329 and ENG-60B-37337. See the T3P counselor before enrolling. Internet access is required. Please note the start and end dates.

<table>
<thead>
<tr>
<th>Class Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Last day to add</th>
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<tbody>
<tr>
<td>37691</td>
<td>02:00PM 02:50PM</td>
<td>TTH</td>
<td>WEQ W4</td>
<td>E Betancourt</td>
<td>08/27/13 10/17/13</td>
</tr>
</tbody>
</table>

The above section is a short term class designed for Veterans. Please note the start and end dates.

#### GUI-47 CAREER EXPLOR/LIFE PLANNING 3.00 UNITS
Designed to assist those students considering the transition of a career change or undecided about the selection of a college major.
- **PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Class Code</th>
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<th>Days</th>
<th>Location</th>
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<tr>
<td>37379</td>
<td>08:45AM 10:10AM</td>
<td>MW</td>
<td>IT 109</td>
<td>C Carter</td>
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<tr>
<td>37382</td>
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<td>WEQ W5</td>
<td>B Tarver</td>
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<tr>
<td>37378</td>
<td>12:45PM 02:10PM</td>
<td>MW</td>
<td>IT 208</td>
<td>C Lee-Johnson</td>
<td>09/06/13</td>
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</tbody>
</table>

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<table>
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<th>Date</th>
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<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
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<tbody>
<tr>
<td>EVENING</td>
<td>06:00PM - 09:10PM</td>
<td>M</td>
<td>HUM 103</td>
<td>M Hickerson</td>
<td>Last day to add: 09/06/13</td>
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<tr>
<td></td>
<td>06:00PM - 09:10PM</td>
<td>T</td>
<td>WEQ W4</td>
<td>S Hall</td>
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The above section is a web-enhanced class. Internet access is required.

**WEEKEND**

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<tbody>
<tr>
<td>37404</td>
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<td>S</td>
<td>HUM 103</td>
<td>M Hickerson</td>
<td>Last day to add: 09/06/13</td>
</tr>
</tbody>
</table>

**HIS-7 POL SOC HISTORY OF US 3.00 UNITS**
A history of the United States from 1877 to the present.
- **PREREQUISITE:** None.
- **ADVISORY:** Qualification for ENG-1A.

<table>
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<tr>
<th>Date</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
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<tbody>
<tr>
<td>37410</td>
<td>07:00AM - 10:10AM</td>
<td>F</td>
<td>HUM 103</td>
<td>S Meier</td>
<td>Last day to add: 09/06/13</td>
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The above section is a web-enhanced class. Internet access is required.

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<th>Notes</th>
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<tr>
<td>37405</td>
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<td>TTH</td>
<td>HUM 103</td>
<td>T Russell</td>
<td>Last day to add: 09/06/13</td>
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The above section is a web-enhanced class. Internet access is required.

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<tr>
<td>37406</td>
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<td>HUM 103</td>
<td>S Kyriakos</td>
<td>Last day to add: 09/06/13</td>
</tr>
<tr>
<td>37407</td>
<td>12:45PM - 02:10PM</td>
<td>MW</td>
<td>HUM 103</td>
<td>S Kyriakos</td>
<td>Last day to add: 09/06/13</td>
</tr>
<tr>
<td>37408</td>
<td>02:00PM - 03:25PM</td>
<td>TTH</td>
<td>HUM 103</td>
<td>S Kyriakos</td>
<td>Last day to add: 09/06/13</td>
</tr>
<tr>
<td>37409</td>
<td>04:15PM - 05:40PM</td>
<td>MW</td>
<td>HUM 103</td>
<td>S Kyriakos</td>
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**EVENING**

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<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
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<tbody>
<tr>
<td>37411</td>
<td>06:00PM - 09:10PM</td>
<td>W</td>
<td>HUM 103</td>
<td>D Reina</td>
<td>Last day to add: 09/06/13</td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class. Internet access is required.

**HIS-34 HIST AMERICAN WOMEN 3.00 UNITS**
Political, social, and cultural institutions which have shaped the role and character of women in America.
- **PREREQUISITE:** None.

**EVENING**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
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<tbody>
<tr>
<td>37397</td>
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<td>D Reina</td>
<td>Last day to add: 09/06/13</td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class. Internet access is required.

**HONORS**

This is a specialized program. For more information regarding entry into the program, go to [www.academic.rcc.edu/honors](http://www.academic.rcc.edu/honors) or call 951-222-8991.

**COM-1H HONORS PUBLIC SPEAKING 3.00 UNITS**
Enhanced instruction in the preparation, presentation and evaluation of a variety of speeches for students in the Honors Program.
- **PREREQUISITE:** None.
- **ADVISORY:** COM-51 and/or qualification for ENG-1A.
- **LIMITATION ON ENROLLMENT:** Enrollment in the Honors Program.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
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<tr>
<td>37678</td>
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<td>MW</td>
<td>IT 211</td>
<td>A Olaerts</td>
<td>Last day to add: 09/06/13</td>
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</table>

**ENG-1AH HONORS ENGLISH COMP 4.00 UNITS**
Offers students in the Honors Program an enriched experience in the development of college-level critical reading, academic writing, and research skills.
- **PREREQUISITE:** ENG-50 or ENG-80 or qualifying placement level.
- **LIMITATION ON ENROLLMENT:** Enrollment in the Honors Program.

<table>
<thead>
<tr>
<th>Date</th>
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<th>Location</th>
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<tbody>
<tr>
<td>37292</td>
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<td>TTH</td>
<td>IT 111</td>
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</tr>
</tbody>
</table>

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 1 hour per week.

**ENG-1BH HON CRITICAL THINK/WRIT 4.00 UNITS**
An Honors course that focuses on literature and argument, while developing critical thinking, reading, and writing skills beyond the level achieved in ENG-1A or 1AH.
- **PREREQUISITE:** ENG-1A or 1AH.
- **LIMITATION ON ENROLLMENT:** Enrollment in the Honors Program.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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<tbody>
<tr>
<td>37302</td>
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<td>TTH</td>
<td>IT 108</td>
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</tbody>
</table>

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 1 hour per week.
HIS-7H  HONORS POL SOC HIST OF US  3.00 UNITS
This course offers students in the Honors Program an enriched introduction to the history of the United States from 1877 to the present.
• PREREQUISITE: None.
• ADVISORY: Qualification for ENG-1A.
• LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

EVENING
37705  06:00PM 09:10PM T HUM 103 D Reina
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

HUMANITIES

HUM-10  WORLD RELIGIONS  3.00 UNITS
Concepts of major religions including Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam.
• PREREQUISITE: None.
• ADVISORY: Qualification for ENG-1A.
37412  07:20AM 08:30AM MW ATEC 114 B Skinner
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.
37414  08:00AM 09:25AM TTH ATEC 114 N Westbrook
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.
37790  10:30AM 01:40PM F ATEC 119 E Heimlich
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.
37789  04:15PM 05:40PM MW ATEC 205 Y Cho
Last day to add: 09/06/13

EVENING
37413  06:00PM 08:10PM M WEQ W7 Y Cho
Last day to add: 09/06/13
37415  06:00PM 08:10PM T JFK 114 D Morgan
Last day to add: 09/06/13
37416  06:00PM 08:10PM TH IT 101 D Morgan
Last day to add: 09/06/13

HUM-11  RELIGION IN AMERICA  3.00 UNITS
Religious thought and practice in American culture.
• PREREQUISITE: None.
• ADVISORY: Qualification for ENG-1A; HUM-10.
37417  08:45AM 09:55AM MW WEQ W4 B Skinner
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

HUM-35  PHILOSOPHY OF RELIGION  3.00 UNITS
An explanation of religious and faith claims from philosophical perspective. (Same as PHI-35)
• PREREQUISITE: None.
• ADVISORY: PHI-10 or 10H or 11.
37418  10:30AM 01:40PM F ATEC 210 N Westbrook
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

JAPANESE

JPN-1  JAPANESE 1  5.00 UNITS
Develops basic skills in understanding, reading, communicating and writing in Japanese.
• PREREQUISITE: None.
37428  08:00AM 10:55AM T LIBR 121 C Dealba-Yount
Last day to add: 09/06/13
37427  03:00PM 06:10PM M LIBR 109 A Dohr
Last day to add: 09/06/13

JOURNALISM

JOU-20A  NEWSPAPER: BEGINNING  3.00 UNITS
Beginning-level college newspaper production with an emphasis on both theory and practice.
• PREREQUISITE: None.
• ADVISORY: ENG-1A or 1AH and/or JOU-1 and/or PHO-8.
37422  12:50PM 02:15PM M ATEC 109 J Muto
Last day to add: 09/06/13
37423  12:50PM 02:15PM M ATEC 109 J Muto
Last day to add: 09/06/13

JOU-20B  NEWSPAPER: INTERMEDIATE  3.00 UNITS
Intermediate-level college newspaper production with an emphasis on both theory and practice.
• PREREQUISITE: JOU-20A.
• ADVISORY: ENG-1A or 1AH and/or JOU-1 and/or PHO-8.
37423  12:50PM 02:15PM M ATEC 109 J Muto
Last day to add: 09/06/13
### JOU-20C  NEWSPAPER: ADVANCED  3.00 UNITS
Advanced-level college newspaper production with an emphasis on both theory and practice.
- **PREREQUISITE:** JOU-20B.
- **ADVISORY:** ENG-1A or 1AH and/or JOU-1 and/or PHO-8.

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### JOU-20D  NEWSPAPER: PROFESSIONAL  3.00 UNITS
Professional-level college newspaper production with an emphasis on both theory and practice.
- **PREREQUISITE:** JOU-20C.
- **ADVISORY:** ENG-1A or 1AH and/or JOU-1 and/or PHO-8.

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### KIN-4  NUTRITION  3.00 UNITS
Principles of basic nutrition and their application to health and diseases.
- **PREREQUISITE:** None.

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### KIN-10  INTRO TO KINESIOLOGY  3.00 UNITS
The study of human movement, sub-disciplines in Kinesiology and career opportunities.
- **PREREQUISITE:** None.

#### EVENING

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### KIN-16  INTRO TO ATHLETIC TRAINING  3.00 UNITS
Analyzes and applies basic concepts of athletic training with emphasis on care and prevention of athletic injuries.
- **PREREQUISITE:** None.

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### KIN-30  FIRST AID AND CPR  3.00 UNITS
Earn "National Safety Council Advanced First Aid" and "American Heart Association Healthcare Professional" certificates. First Aid and CPR fees totaling $18.50 will be charged to the student and are not covered by BOGW. Drop deadlines for non-payment apply.
- **PREREQUISITE:** None.

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### KIN-36  WELLNESS: LIFESTYLE CHOICES  3.00 UNITS
Studies the various dimensions of health as they relate to living a positive, healthy life.
- **PREREQUISITE:** None.

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### KIN-38  STRESS MANAGEMENT  3.00 UNITS
Stress Management is explored through informative lectures, projects, and discussion, while the lab component offers students an opportunity to practice a variety of relaxation techniques.
- **PREREQUISITE:** None.

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### KIN-A40  KARATE, BEGINNING  1.00 UNITS
Develops basic skills needed for unarmed self-defense by using shifting, blocking, punching and kicking.
- **PREREQUISITE:** None.

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### KIN-A46  HATHA YOGA, BEGINNING  1.00 UNITS
Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.
- **PREREQUISITE:** None.

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KIN-A75 WALKING FOR FITNESS  1.00 UNITS
Provides instruction in walking technique and fitness, nutrition, and weight control as it relates to a walking program.
• PREREQUISITE: None.
37445 08:00AM 09:25AM TTH WEQ W3 B Wimer
Last day to add: 09/06/13

KIN-V10 SOCCER, VARSITY, MEN  2.00 UNITS
Develops advanced skills and strategies to prepare students for collegiate soccer competition.
• PREREQUISITE: None.
• LIMITATION ON ENROLLMENT: Retention based on successful tryout.
37446 TBA SOCR 2 F Melgarejo
Last day to add: 09/06/13
The above section has 175 laboratory hours to be arranged and first meets on 8/30 at 3:00PM. All meeting times and game dates will be listed on the class syllabus.

KIN-V25 SOCCER, VARSITY, WOMEN  2.00 UNITS
Develops advanced skills and strategies to prepare students for collegiate soccer competition.
• PREREQUISITE: None.
• LIMITATION ON ENROLLMENT: Retention based on successful tryout.
37447 TBA SOCR 2 L Jalayer
Last day to add: 09/06/13
The above section has 175 laboratory hours to be arranged and first meets on 8/30 at 3:00PM. All meeting times and game dates will be listed on the class syllabus.

LIBRARY
LIB-1 INFORMATION COMPETENCY  1.00 UNITS
Presents the fundamentals of the effective use of libraries, electronic databases and information.
• PREREQUISITE: None.
37448 03:00PM 03:50PM TH CACT 2 V Harris
08/29/13 10/17/13
Last day to add: 09/02/13
37675 03:00PM 03:50PM TH CACT 2 V Harris
10/24/13 12/12/13
Last day to add: 10/29/13

MANAGEMENT
MAG-44 PRINCIPLES OF MANAGEMENT  3.00 UNITS
An overview of the concepts, processes and techniques of organizational management.
• PREREQUISITE: None.
ONLINE
37450 ON LINE G Zwart
10/21/13 12/13/13
Last day to add: 10/29/13
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

MAG-47 APPLIED BUS, MGMT ETHICS  3.00 UNITS
An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as BUS-47)
• PREREQUISITE: None.
EVENING
37452 06:30PM 09:40PM TH IT 111 A Riker
10/24/13 12/12/13
Last day to add: 09/06/13
The above section is a hybrid class that meets alternating Thursdays beginning 08/29/13. Computer with Internet access required. See www.opencampus.com.

MAG-51 ELEMENTS OF SUPERVISION  3.00 UNITS
Covers responsibilities of a supervisor in industry, including organization, employee relations and evaluations.
• PREREQUISITE: None.
ONLINE
37453 ON LINE M Ferguson
10/21/13 12/13/13
Last day to add: 10/29/13
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

MAG-53 HUMAN RELATIONS  3.00 UNITS
Practical application of basic psychology in building better employer-employee relationships.
• PREREQUISITE: None.
ONLINE
37454 ON LINE G Zwart
08/26/13 10/18/13
Last day to add: 09/14/13
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

WARNING!
REGISTRATION WILL BE BLOCKED IF YOU HAVE NOT MET THE PREREQUISITE!

All sections of LiB-1 below are short term hybrid classes.
Computer with Internet access is required.
Please note the start and end dates.

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!
www.norcocolegebookstore.com
MANUFACTURING TECHNOLOGY

MAN-52  COMP AIDED MANUF-MASTERCAM  4.00  UNITS
Provides students with the knowledge and skills to program machining operations using MasterCam software on turning centers and milling machines.
•  PREREQUISITE: None.
•  ADVISORY: CIS-1A.

MAN-56  CNC SET-UP, OPERATION  4.00  UNITS
Hands-on course introducing set-up and operation of CNC machine tools, controllers and some manual programming.
•  PREREQUISITE: None.

MAN-57  CNC PROGRAM WRITING  3.00  UNITS
Introduction to manual CNC program writing including hands-on experience with CNC machine tools. (Same as MAC-57)
•  PREREQUISITE: None.

MAN-64  PROGRAMMABLE LOGIC CONTR  3.00  UNITS
Fundamentals of Programmable Logic Controllers (PLCs). Programming, operation, installation, maintenance, troubleshooting and repair of PLC systems. (Same as ELE-64)
•  PREREQUISITE: None.
•  ADVISORY: ELE-10 or 21.

MATHMATICS

MAT-1A  CALCULUS I  4.00  UNITS
Plane analytic geometry, functions, differentiation with applications and basic integration.
•  PREREQUISITE: MAT-10 or qualifying placement level.

MAT-1B  CALCULUS II  4.00  UNITS
Integration, applications of integration, series, parametric equations, and polar coordinates.
•  PREREQUISITE: MAT-1A.

MAT-1C  CALCULUS III  4.00  UNITS
Vectors, partial differentiation and multiple integrals with applications.
•  PREREQUISITE: MAT-1B.
### MAT-3 LINEAR ALGEBRA 3.00 UNITS
Introduction to matrix algebra with vector spaces and linear transformations.
- **PREREQUISITE:** MAT-1B.

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### MAT-4 FINITE MATHEMATICS 3.00 UNITS
Mathematics for majors in economics, business management, biological and social sciences.
- **PREREQUISITE:** MAT-35.

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### MAT-5 CALCULUS, SHORT COURSE 4.00 UNITS
Calculus for economics, business, biology and social science majors. Applications of the derivative and integration.
- **PREREQUISITE:** MAT-35 or qualifying placement level.

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### MAT-10 PRECALCULUS 4.00 UNITS
College-level algebra and trigonometry preparation for calculus.
- **PREREQUISITE:** MAT-36 or qualifying placement level.

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### MAT-11 COLLEGE ALGEBRA 4.00 UNITS
College-level algebra.
- **PREREQUISITE:** MAT-35 or qualifying placement level.

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### MAT-12 STATISTICS 3.00 UNITS
A study of statistical methods and their application to hypothesis testing and estimation of population parameters.
- **PREREQUISITE:** MAT-35 or qualifying placement level.

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### MAT-25 MATHEMATICAL SURVEY 3.00 UNITS
This course is designed for students majoring in liberal arts, education or communication.
- **PREREQUISITE:** MAT-35 or qualifying placement level.

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### MAT-35 INTERMEDIATE ALGEBRA  5.00 UNITS
Algebra preparation for college-level mathematics.
- **PREREQUISITE:** MAT-52 or qualifying placement level.

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### MAT-36 TRIGONOMETRY  4.00 UNITS
An introduction to the trigonometric functions, their identities and relationships, graphs and applications, accompanied by essential topics of geometry.
- **PREREQUISITE:** MAT-35 and MAT-53 or qualifying placement level.

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---

**WARNING!**

REGISTRATION WILL BE BLOCKED IF YOU HAVE NOT MET THE PREREQUISITE!
### MAT-52  ELEMENTARY ALGEBRA  4.00 UNITS

An introduction to the concepts of algebra. (Non-degree credit course.)

- **PREREQUISITE:** MAT-64 (formerly 50), 65, 90F or qualifying placement level.

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### MAT-53  COLLEGE GEOMETRY  3.00 UNITS

A course in the study of Euclidian geometry.

- **PREREQUISITE:** MAT-52 or qualifying placement level.

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### MAT-63  ARITHMETIC  3.00 UNITS

Study of the four basic operations applied to whole numbers, fractions, mixed numbers and decimals, with application to real-world problems.

(Non-degree credit course.)

- **PREREQUISITE:** None.

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### MAT-64  PRE-ALGEBRA  3.00 UNITS

Designed as a transition from arithmetic to elementary algebra.

(Non-degree credit course.)

- **PREREQUISITE:** MAT-63 or 90C.

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MAT-65 ARITHMETIC & PRE-ALGEBRA  5.00 UNITS
Study of the four basic operations applied to whole numbers, integers, fractions, mixed numbers, and decimals, to include application to real-world problems along with an introduction to the notion of algebra and its uses. (Non-degree credit course.)
- **PREREQUISITE:** None.

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#### MICROBIOLOGY

MIC-1 MICROBIOLOGY  4.00 UNITS
General characteristics of microbes with emphasis on their control and role in disease.
- **PREREQUISITE:** CHE-2A or 3 and one of the following: AMY-2A, BIO-1, 1H, or 11.

<table>
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#### MUSIC

MUS-3 MUSIC FUNDAMENTALS  4.00 UNITS
Basic course in music including notation, rhythm, pitch, keys, scales, intervals, chords and music terminology.
- **PREREQUISITE:** None.
- **ADVISORY:** Concurrent enrollment in an appropriate level piano class.

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MUS-4 MUSIC THEORY I  4.00 UNITS
Principles of voice leading in diatonic harmony of the Common Practice period.
- **PREREQUISITE:** MUS-3 or the equivalent.
- **ADVISORY:** Concurrent enrollment in an appropriate level piano class.

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<tbody>
<tr>
<td>37726</td>
<td>11:00AM-01:50PM</td>
<td>TTH</td>
<td>HUM 101</td>
<td>K Kamerin</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class. Internet access is required.

MUS-19 MUSIC APPRECIATION  3.00 UNITS
A survey of music in the Western world focused on listening, including terminology for describing musical elements, forms, styles, and the roles of music and musicians in society.
- **PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Course</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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The above section is a web-enhanced class. Internet access is required.

#### ONLINE

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<td>Zubizarreta</td>
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</table>

The above section is a short term online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

MUS-32 CLASS PIANO  1.00 UNITS
Group work in developing basic keyboard facility and reading music notation.
- **PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Course</th>
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<th>Days</th>
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<td>TH</td>
<td>HUM 101</td>
<td>N Pirozzi</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!
[www.norccollegebookstore.com](http://www.norccollegebookstore.com)
MUS-37  CLASS GUITAR  1.00 UNITS
Fundamentals of guitar performance and basic musicianship.
• PREREQUISITE: None.

EVENING
37552  06:00PM 08:40PM  T  THTR 204  E Koester
Last day to add: 09/06/13

MUS-38  BEGIN APPLIED MUSIC TRAINING  2.00 UNITS
Vocal or instrumental individualized music instruction. Not designed for beginning students.
• PREREQUISITE: None.
• LIMITATION ON ENROLLMENT: Audition on or before the first class meeting.

37554  TBA  A Tabor
Last day to add: 09/17/13
The above section has a 108-hour laboratory requirement to be arranged and first meets on 8/30. In addition to 6 hours of concert reports, students are required to attend the Norco Music Lab for up to 8 hours per week. For information on audition and class requirements, email angela.tabor@norcocollege.edu.

PHILOSOPHY

PHI-10  INTRO TO PHILOSOPHY  3.00 UNITS
Introduction to the major questions of Western philosophy and their answers.
• PREREQUISITE: None.

37556  08:00AM 09:25AM  TTH  HUM 102  C Booher
Last day to add: 09/09/13
37559  09:40AM 11:05AM  TTH  ATEC 114  C Booher
Last day to add: 09/06/13

EVENING
37560  06:00PM 09:10PM  M  JFK 114  L Montes
Last day to add: 09/06/13
37555  06:00PM 09:10PM  W  WEQ W7  Y Cho
Last day to add: 09/06/13

PHI-11  CRITICAL THINKING  3.00 UNITS
Introduction to critical thinking as it relates to everyday experience and general knowledge.
• PREREQUISITE: None.

37561  10:30AM 11:45AM  MW  LIBR 108  S Crasnow
08/26/13 10/16/13
Last day to add: 09/01/13
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

37562  10:30AM 11:45AM  MW  LIBR 108  S Crasnow
10/21/13 12/11/13
Last day to add: 10/25/13
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

PHI-12  ETHICS: CONTEMP MORAL ISSUES  3.00 UNITS
An examination of contemporary moral problems in light of ethical theory.
• PREREQUISITE: None.

37564  12:45PM 02:10PM  MW  LIBR 108  S Crasnow
08/26/13 10/16/13
Last day to add: 09/01/13

PHI-35  PHILOSOPHY OF RELIGION  3.00 UNITS
An examination of religious and faith claims from a philosophical perspective. (Same as HUM-35)
• PREREQUISITE: None.
• ADVISORY: PHI-10 or 10H or 11.

37565  10:30AM 01:40PM  F  ATEC 210  N Westbrook
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

PHYSICAL SCIENCE

PHS-1  INTRO PHYSICAL SCI  3.00 UNITS
Descriptive survey of the physical sciences: astronomy, geology, physics, chemistry as they relate to daily living.
• PREREQUISITE: None.

37566  09:40AM 11:05AM  TTH  HUM 201  D Johnson
Last day to add: 09/06/13

EVENING
37567  06:00PM 09:10PM  T  HUM 201  C MacDougall
Last day to add: 09/06/13

All sections of PHI-10 below are short term online classes. Computer with Internet access is required. See www.opencampus.com. Please note the start and end dates.

37557  08/26/13 10/18/13  ON LINE  S Crasnow
Last day to add: 09/03/13
37558  10/21/13 12/13/13  ON LINE  S Crasnow
Last day to add: 10/29/13

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www.norcocollegebookstore.com
**PHYSICS**

**PHY-4A MECHANICS 4.00 UNITS**  
The study of the mathematical laws describing the effects of forces on bodies.  
- **PREREQUISITE:** None.  
- **COREQUISITE:** MAT-1A.

37570  08:45AM 10:10AM MW HUM 201 P Tran  
01:00PM 04:10PM W HUM 201  
Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.

**PHY-4C HEAT, LIGHT AND WAVES 4.00 UNITS**  
The study of classical thermodynamics, geometrical and physical optics, and fluid dynamics.  
- **PREREQUISITE:** PHY-4A.  
- **COREQUISITE:** MAT-1B.

37571  10:30AM 11:55AM MW HUM 201 P Tran  
01:00PM 04:10PM M HUM 201  
Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.

**PHY-10 INTRO GEN PHYSICS 3.00 UNITS**  
Introduces study of mechanics, matter, heat, sound light, electricity, magnetism and nuclear physics.  
- **PREREQUISITE:** MAT-52.

**EVENING** 37568  06:00PM 07:25PM MW HUM 201 P Tran  
Last day to add: 09/06/13

**PHY-11 PHYSICS LAB 1.00 UNITS**  
A laboratory for the non-science major with emphasis on lab techniques. Student experimentation and demonstrations.  
- **PREREQUISITE:** None.  
- **COREQUISITE:** PHY-10.

**EVENING** 37569  06:00PM 09:10PM TH HUM 201 P Tran  
Last day to add: 09/06/13

**POLITICAL SCIENCE**

**POL-1 AMERICAN POLITICS 3.00 UNITS**  
The principles, institutions, policies and critical issues in American politics.  
- **PREREQUISITE:** None.  
- **ADVISORY:** Qualification for ENG-1A.

37685  08:00AM 09:25AM TTH IT 122 C Mahon  
Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.

37686  08:45AM 10:10AM MW IT 122 R Brown  
Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.

**POL-4 INTRODUCTION TO WORLD POLITICS 3.00 UNITS**  
A study of the paradigms, theories, institutions, and issues of international political economy and world politics.  
- **PREREQUISITE:** None.  
- **ADVISORY:** Qualification for ENG-1A.

37585  09:40AM 11:05AM TTH IT 122 D Makin  
Last day to add: 09/06/13

The above section is a web-enhanced class. Internet access is required.
PSYCHOLOGY

PSY-1 GENERAL PSYCH  3.00 UNITS
Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.
•  PREREQUISITE: None.

37587  08:00AM 09:25AM TTH IT 117 T Guild
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

37689  09:40AM 11:05AM TTH WEQ W6 Staff
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

37588  10:30AM 11:55AM MW WEQ W6 R Alcaraz
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

37590  11:15AM 12:40PM TTH ATEC 205 K Norton
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

37589  11:15AM 12:40PM TH IT 117 J Zeeb
Last day to add: 09/06/13
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

37591  02:30PM 03:55PM MW IT 122 Staff
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

37592  04:15PM 05:40PM TTH WEQ W7 Staff
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

EVENING
37593  06:00PM 09:10PM TH ATEC 205 W Radtke
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

ONLINE
37688  ON LINE T Guild
Last day to add: 09/06/13
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

PSY-2 BIOLOGICAL PSYCH  3.00 UNITS
A scientific study of the biological determinants of behavior and cognition.
•  PREREQUISITE: PSY-1.

37594  07:10AM 08:35AM MW IT 117 B Adams
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

37595  11:15AM 12:40PM T IT 117 B Adams
Last day to add: 09/06/13
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

PSY-33 THEORIES OF PERSONALITY  3.00 UNITS
A survey and assessment of the basic concepts, theories, science, and principles of the prevailing theories of personality.
•  PREREQUISITE: None.

37596  06:00PM 09:10PM T ATEC 205 L Krajewski
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

PSY-1 INTRO TO SOCIAL PSYCHOLOGY  3.00 UNITS
The study of individual human behavior in relation to the social environment.
•  PREREQUISITE: None.

37598  09:40AM 11:05AM TTH IT 101 L Krajewski
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

PSY-9 DEVELOPMENTAL PSYCH  3.00 UNITS
A survey of biological, cognitive and psychosocial development throughout the human life cycle from conception to death.
•  PREREQUISITE: None.

37600  07:00AM 10:10AM F ATEC 211 K Norton
Last day to add: 09/06/13

37599  08:45AM 10:10AM MW IT 101 J Zeeb
Last day to add: 09/06/13

37601  12:45PM 02:10PM MW ATEC 211 J Zeeb
Last day to add: 09/06/13

37602  04:15PM 05:40PM MW ATEC 119 Staff
Last day to add: 09/06/13

EVENING
37604  06:00PM 09:10PM W IT 117 Staff
Last day to add: 09/06/13

WEEKEND
37603  08:00AM 11:10AM S ATEC 114 J Hicks
Last day to add: 09/06/13

PSY-35 ABNORMAL PSYCHOLOGY  3.00 UNITS
A survey of the nature, causes and treatment of psychological disorder.
•  PREREQUISITE: None.

37597  06:00PM 09:10PM M ATEC 114 L Krajewski
Last day to add: 09/06/13
The above section is a web-enhanced class. Internet access is required.

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READING

REA-4 CRITICAL READING 3.00 UNITS
Offers instruction in reading as a developmental process, a complex-meaning construction process, a language process and a critical thinking process.
• PREREQUISITE: None.
37659 04:15PM 05:40PM TTH LIBR 110 P Van Osterhoudt
Last day to add: 09/06/13

REA-81 READING, LEVEL I 3.50 UNITS
Instruction in basic reading skills, along with individually prescribed practice work in a wide range of materials. (Non-degree credit course.)
• PREREQUISITE: None.
37606 07:00AM 07:50AM TTH LIBR 110 M Sloniger
08:00AM 09:30AM TTH LIBR 110 Last day to add: 09/06/13
37605 10:00AM 10:50AM TTH LIBR 110 M Sloniger
11:00AM 12:30PM TTH LIBR 110 Last day to add: 09/06/13

EVENING
37607 06:00PM 07:30PM TTH LIBR 110 P Van Osterhoudt
07:40PM 08:30PM TTH LIBR 110 Last day to add: 09/06/13

REA-82 READING, LEVEL II 3.50 UNITS
Intended for students who experience significant difficulty in reading college-level materials. (Non-degree credit course.)
• PREREQUISITE: REA-81 or qualifying placement level.
37610 07:15AM 08:05AM MW LIBR 110 M Sloniger
08:15AM 09:45AM MW LIBR 110 Last day to add: 09/06/13
37608 10:30AM 11:20AM MW LIBR 110 M Sloniger
11:30AM 01:00PM MW LIBR 110 Last day to add: 09/06/13

EVENING
37609 05:00PM 06:30PM MW LIBR 110 D Eaves
06:40PM 07:30PM MW LIBR 110 Last day to add: 09/06/13

REA-83 READING, LEVEL III 3.00 UNITS
Intended for students who experience moderate difficulty in reading college-level materials. (Non-degree credit course.)
• PREREQUISITE: REA-82 or ESL-73 or qualifying placement level.
37612 08:00AM 09:25AM TTH WEQ W4 M Adebayo-Ige
Last day to add: 09/06/13

EVENING
37611 06:00PM 09:10PM W JFK 118 D Dieckmeyer
Last day to add: 09/06/13

REAL ESTATE

RLE-80 REAL ESTATE PRINCIPLES 3.00 UNITS
Fundamental course covering the basic laws, principles and terminology of California real estate practice.
• PREREQUISITE: None.
37613 08/26/13 10/18/13 ON LINE T Wagner
Last day to add: 09/03/13
37614 10/21/13 12/13/13 ON LINE T Wagner
Last day to add: 10/29/13

RLE-81 REAL ESTATE PRACTICE 3.00 UNITS
Daily operations in real estate brokerage. Applies toward educational requirements for broker's examination.
• PREREQUISITE: None.
ONLINE
37618 08/26/13 10/18/13 ON LINE T Wagner
Last day to add: 09/03/13
37616 10/21/13 12/13/13 ON LINE T Wagner
Last day to add: 10/29/13

RLE-82 LEGAL ASPECT RL ESTAT 3.00 UNITS
California real estate law as it applies to acquisition, ownership, trust deeds, transfers, foreclosure and probate.
• PREREQUISITE: None.
ONLINE
37618 10/21/13 12/13/13 ON LINE T Wagner
Last day to add: 10/29/13
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

RLE-83 REAL ESTATE FINANCE 3.00 UNITS
Analysis of real estate finance in residential, apartment, commercial and special purpose properties.
• PREREQUISITE: None.
ONLINE
37620 08/26/13 10/18/13 ON LINE T Wagner
Last day to add: 09/03/13
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
**SIMULATION & GAME DEVELOPMENT**

**GAM-21  HISTORY OF VIDEO GAMES  3.00 UNITS**
A comprehensive study of the evolution of video games throughout history including arcade games, console games, computer games and mobile applications.
- **PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Section Code</th>
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<th>End Time</th>
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<th>Location</th>
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<td>37347</td>
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<td>MW</td>
<td>ATEC 118</td>
<td>J Finley</td>
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</table>

The above section is a web-enhanced class. Internet access is required.

**GAM-22  GAME DESIGN PRINCIPLES  4.00 UNITS**
An introduction to game design using non-digital rapid prototyping. Topics include formal elements of games, mechanics and dynamics, decision-making, flow states and player psychology, the MDA Framework, the iterative process, and rapid prototyping.
- **PREREQUISITE:** None.

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<th>Section Code</th>
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<th>Days</th>
<th>Location</th>
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<td>37693</td>
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<td>IT 202</td>
<td>J Perry</td>
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<tr>
<td>37349</td>
<td>09:40AM</td>
<td>12:30PM</td>
<td>TTH</td>
<td>IT 202</td>
<td>J Perry</td>
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</table>

All sections of GAM-22 below are web-enhanced classes. Internet access is required.

**GAM-31  INTRODUCTION TO 3D MODELING  3.00 UNITS**
Introduction to the concepts of 3D modeling in a virtual environment. Students will create original three-dimensional computer generated models of organic or mechanical design.
- **PREREQUISITE:** None.

<table>
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<td>M Williams</td>
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</table>

All sections of GAM-31 below are web-enhanced classes and have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Game Lab in LIBR LRC for 1 hour per week. Internet access is required.

**GAM-33  ADVANCED DESIGN SCULPTING  3.00 UNITS**
Students will learn the production workflow of ZBrush to Maya and complete high-end cinematic quality 3D models. The focus will be on high level detail and animation ready models.
- **PREREQUISITE:** GAM-32.

<table>
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<tr>
<th>Section Code</th>
<th>Start Time</th>
<th>End Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>TTH</td>
<td>IT 125</td>
<td>G Marquez</td>
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</table>

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Game Lab in LIBR LRC for 1 hour per week. Internet access is required.

**GAM-34  CHARACTER RIGGING  3.00 UNITS**
Prepare an animation rig in a 3D simulation environment. Students will prepare previously created humanoid and creature 3D models for an animation-ready state using professional production techniques.
- **PREREQUISITE:** GAM-32 or 47.

**EVENING**

**GAM-35  INTRO COMPUTER GAME DEV  3.00 UNITS**
An introduction to computer gaming. Students will explore the job market, career paths and business aspects of gaming professions.
- **PREREQUISITE:** None.

<table>
<thead>
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<th>Section Code</th>
<th>Start Time</th>
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<td>IT 208</td>
<td>J Finley</td>
</tr>
</tbody>
</table>

All sections of GAM-35 below are web-enhanced classes. Internet access is required.

**GAM-37  BEGINNING GAME LEVEL DESIGN  3.00 UNITS**
An introduction to level design. Students will design and create 3D computer games. No previous computer programming experience required. (Same as CIS-37)
- **PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Section Code</th>
<th>Start Time</th>
<th>End Time</th>
<th>Days</th>
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</table>

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Game Lab in LIBR LRC for 1 hour per week. Internet access is required.
GAM-42  PHOTOSHOP FOR GAME ART  3.00 UNITS
Introduction to Adobe Photoshop including mastery of digital image editing and techniques for painting custom textures for game art and animation.
• PREREQUISITE: None.

All sections of GAM-42 below are web-enhanced classes and have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Game Lab in LIBR LRC for 1 hour per week. Internet access is required.

<table>
<thead>
<tr>
<th>Code</th>
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<td>MW</td>
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<td>C Koestler</td>
<td>09/06/13</td>
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</tbody>
</table>

EVENING
37358 06:00PM 09:10PM TH IT 202 R Bourbeau Last day to add: 09/06/13

GAM-45  MATERIALS AND LIGHTING  3.00 UNITS
An intermediate class with a strong focus in applications of lighting and lighting theory, materials and texture mapping of both procedural and bitmap textures utilizing both software and mental ray render engines for game environments.
• PREREQUISITE: GAM-31 or GAM/CIS-38A.

EVENING
37360 06:00PM 09:10PM W IT 202 R Bourbeau
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Game Lab in LIBR LRC for 1 hour per week. Internet access is required.

GAM-46  ENVIRONMENT/VEHICLE MODELING  3.00 UNITS
A comprehensive study of game industry modeling techniques for both hard surface and organic modeling, including Polygonal and NURBS (Non Uniform Rational B Splines) modeling.
PREREQUISITES: ART-17 and one of the following, GAM-31 or CIS/GAM-38A.

EVENING
37361 06:00PM 09:10PM M IT 202 M Williams Last day to add: 09/06/13
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Game Lab in LIBR LRC for 1 hour per week. Internet access is required.

GAM-48  3-D CHARACTER ANIMATION  3.00 UNITS
An advanced 3D animation course that applies real-life action sequences to characters. Topics include game cycle animation, weight, actions and personality for the character including advanced techniques with keyframe animation.
• PREREQUISITE: CIS/GAM-38B or GAM-47.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Day</th>
<th>Section</th>
<th>Instructor</th>
<th>Last day to add</th>
</tr>
</thead>
<tbody>
<tr>
<td>37362</td>
<td>02:00PM 05:10PM</td>
<td>TH</td>
<td>IT 202</td>
<td>T Dunipace</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Game Lab in LIBR LRC for 1 hour per week. Internet access is required.

GAM-50  INTRO TO GAME PROGRAMMING  3.00 UNITS
A first course in programming for games stressing fundamental programming principles. Computer programming logic is introduced with hands on game development projects using an industry standard game engine. No previous computer programming experience is required. (Same as CIS-50)
• PREREQUISITE: None.

All sections of GAM-50 below are web-enhanced classes and have an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco Game Lab in LIBR LRC for 1 hour per week. Internet access is required.

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Day</th>
<th>Section</th>
<th>Instructor</th>
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<td>09/06/13</td>
</tr>
<tr>
<td>37733</td>
<td>02:30PM 03:55PM</td>
<td>MW</td>
<td>IT 208</td>
<td>J Finley</td>
<td>09/06/13</td>
</tr>
</tbody>
</table>

WARNING!
REGISTRATION WILL BE BLOCKED IF YOU HAVE NOT MET THE PREREQUISITE!
GAM-70 COMPUTER SKILLS FOR GAME ART 1.00 UNITS
Introduction to fundamental computer concepts related to typical functions required of a game artist. Standard file management, navigation, storage, and multiple backup techniques for files is taught as well as basic scanning techniques, appropriate use of Internet resources, copyright issues and an introduction to graphic file formats.
• PREREQUISITE: None.
• COREQUISITE: GAM-31 OR 42.

All sections of GAM-70 below are short term individually-paced web-enhanced classes and have 24 instructional hours to be arranged. Students must attend a mandatory orientation held in LIBR LRC on either 8/27/13 from 2:30-3:55PM or 8/28/13 from 12:00-1:00PM. Internet access is required. Please note the start and end dates.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<td>J Coverdale</td>
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<td>LIBR LRC</td>
<td>J Coverdale</td>
<td>08/26/13</td>
<td>10/04/13</td>
</tr>
</tbody>
</table>

What are individually-paced classes?
Individually-paced classes are offered to allow flexibility in completing the required modules. All students must attend one orientation session with the instructor prior to starting work.

Orientation Sessions
8/27/13 ............................................... 02:30PM – 3:55PM in LIBR LRC
8/28/13 ............................................... 12:00PM – 1:00PM in LIBR LRC

Lab assignments and modular assessments are completed in the Game Lab (LIBR LRC) and must be completed according to the deadlines provided by your instructor.

Individually-paced classes are web-enhanced and require Internet access.

GAM-71 PERSPECTIVE FOR GAME/ANIMATION 3.00 UNITS
A perspective drawing class which focuses on creating believable environments, both interior and exterior, through the proper implementation of correct one-point, two-point and three-point perspective while setting up a dynamic composition. Students learn to draw three-dimensional forms through observation and application of perspective principles.
• PREREQUISITE: ART-17.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Start Date</th>
<th>End Date</th>
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<td>T</td>
<td>ATEC 209</td>
<td>A Andreini</td>
<td>08/26/13</td>
</tr>
<tr>
<td>37711</td>
<td>09:40AM</td>
<td>12:10PM</td>
<td>TH</td>
<td>ATEC 209</td>
<td>A Andreini</td>
<td>08/26/13</td>
</tr>
</tbody>
</table>

GAM-72 ANATOMY FOR GAME ART 3.00 UNITS
• PREREQUISITE: ART-17.

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<th>End Date</th>
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</table>

The above section is a web-enhanced class. Internet access is required.

GAM-73 STORYBOARDING FOR GAMES 3.00 UNITS
Application of strong composition, posing, and camera techniques to tell an engaging story in both cut-scenes and interactive events within a 3D game environment.
• PREREQUISITE: None.
• COREQUISITE: GAM-71.

<table>
<thead>
<tr>
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The above section is a web-enhanced class. Internet access is required.

SOCIOLOGY

SOC-1 INTRO TO SOCIOLOGY 3.00 UNITS
An introduction to the basic concepts of societal organization.
• PREREQUISITE: None.

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<thead>
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<th>Course Code</th>
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<tr>
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<td>IT 101</td>
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<tr>
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<td>09/06/13</td>
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<tr>
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The above section is a web-enhanced class. Internet access may be required.

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<td>WEQ W6</td>
<td>E Kazsuk</td>
<td>09/06/13</td>
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</table>

EVENING
37622       | 06:00PM | 09:10PM | T       | IT 101     | M Ysais    | 09/06/13   | 09/06/13 |
SOC-10  RACE/ETHNIC RELATIONS  3.00  UNITS
An introduction to the theories, dynamics, history and present status of inter-group conflict in the United States.
• PREREQUISITE: None.

EVENING
37709  06:00PM 09:10PM  TH  WEQ W4  A Alvarez
Last day to add: 09/06/13

SOC-15  WOMEN AMER SOCIETY  3.00  UNITS
The social implications of the women’s role in American society.
• PREREQUISITE: None.

37631  02:00PM 03:25PM  TTH  IT 117  M Ysais
Last day to add: 09/06/13

SOC-20  CRIMINOLOGY  3.00  UNITS
A sociological analysis of crime, criminal law and criminality.
• PREREQUISITE: None.

EVENING
37632  06:00PM 09:10PM  M  WEQ W6  E Kazsuk
Last day to add: 09/06/13

SOC-50  RESEARCH METHODS  3.00  UNITS
This course is designed to introduce the student of social sciences to the nature of scientific inquiry and to the basic principles and procedures applied to the conduct of research in the social sciences.
• PREREQUISITE: None.

37633  11:15AM 12:40PM  TTH  ATEC 210  K Andacheh
Last day to add: 09/06/13

SPANISH

SPA-2  SPANISH 2  5.00  UNITS
Further development of basic skills in understanding, communicating and writing in Spanish.
• PREREQUISITE: SPA-1, 1H or 1B.

37641  02:00PM 05:10PM  M  LIBR 109  N Guillen
02:00PM 04:55PM  TH  LIBR 121
Last day to add: 09/06/13

SPA-3  SPANISH 3  5.00  UNITS
Development of intermediate skills in understanding, communicating and writing in Spanish.
• PREREQUISITE: SPA-2 or 2H.

37643  08:00AM 11:10AM  T  LIBR 109  D Hitchcock
08:00AM 10:55AM  TH  LIBR 121
Last day to add: 09/06/13

Spanish Placement Testing
The Spanish placement test measures competency levels for those who wish to enroll in Spanish courses but need to determine the appropriate starting level. The results show a recommendation of the appropriate Spanish class. Students can enroll in a level lower than their placement, but not higher. All Spanish testing for Norco College students is by appointment only. Please visit our online appointment system at:
https://esars.rcc.edu/Norco/Assessment/eSARS.asp
If you need to speak with someone directly, please call the Norco College Assessment Center at (951) 372-7176.

SPA-1  SPANISH 1  5.00  UNITS
Develops basic skills in understanding, reading, communicating and writing in Spanish.
• PREREQUISITE: None.

37635  08:00AM 11:10AM  M  LIBR 121  D Hitchcock
08:00AM 10:55AM  W  LIBR 121
Last day to add: 09/06/13

37637  11:45AM 02:40PM  M  LIBR 121  P Fuentes Rivera
11:45AM 02:55PM  W  LIBR 109
Last day to add: 09/06/13

37640  02:00PM 04:55PM  T  LIBR 121  W Teipe
02:00PM 05:10PM  TH  LIBR 109
Last day to add: 09/06/13

SPA-8  INTERMEDIATE CONVERSATION  3.00  UNITS
Enhancement of intermediate conversational skills within the context of Hispanic culture and daily life.
• PREREQUISITE: SPA-2 or 2H.

37671  11:25AM 12:50PM  TTH  LIBR 109  N Guillen
Last day to add: 09/06/13

SPA-8  INTERMEDIATE CONVERSATION  3.00  UNITS
Enhancement of intermediate conversational skills within the context of Hispanic culture and daily life.
• PREREQUISITE: SPA-2 or 2H.

37671  11:25AM 12:50PM  TTH  LIBR 109  N Guillen
Last day to add: 09/06/13

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If you need to speak with someone directly, please call the Norco College Assessment Center at (951) 372-7176.
SUPERVISED TUTORING

ILA-1 INTRODUCTION TO TUTOR TRAINING 1.00 UNITS
An introduction to the skills necessary for tutoring in the subject areas. Practical application of tutoring strategies, methodologies, learning styles, problem solving, and working with diverse students populations.
- PREREQUISITE: None.
- ADVISORY: Qualification for ENG-1A.

37421 09:00AM 12:00PM F LIBR 110 R Prior 08/26/13 10/04/13 Last day to add: 09/06/13
The above short term web-enhanced section is designed for students who are considering becoming a tutor or are currently tutoring at Norco College. Internet access is required. Please note the start and end dates.

THEATER ARTS

THE-3 INTRO TO THE THEATER 3.00 UNITS
A survey of theatrical styles and forms intended for the general college student.
- PREREQUISITE: None.

37647 01:55PM 03:20PM TTH THTR 101 W Stevens Last day to add: 09/06/13
37645 02:40PM 05:50PM W THTR 101 W Stevens Last day to add: 09/06/13
All sections of THE-3 below are online classes. Computer with Internet access is required. See www.opencampus.com.

37646 ON LINE W Stevens 08/26/13 10/18/13 Last day to add: 09/03/13
The above section is a short term class. Please note the start and end dates.
37727 ON LINE W Stevens 10/21/13 12/13/13 Last day to add: 10/29/13
The above section is a short term class. Please note the start and end dates.

THE-32 THEATER GAMES AND EXERCISES 3.00 UNITS
A beginning class for actors emphasizing the basic principles and techniques of acting through use of theater games and improvisational exercises.
- PREREQUISITE: None.

37648 03:25PM 04:30PM T THTR 101 W Stevens
04:30PM 05:55PM TTH THTR 101
03:25PM 04:15PM TH THTR 101 Last day to add: 09/06/13

WORK EXPERIENCE

WKX-200 GENERAL WORK EXPERIENCE 1.00 UNITS
Coordinates the student’s occupational experience with related instruction in skills for career planning and occupational success.
- PREREQUISITE: None.
- ADVISORY: Students should have paid or voluntary employment.

EVENING
37679 06:00PM 06:50PM T JFK 106 A Etchison Last day to add: 09/06/13

WORK EXPERIENCE

Work Experience is a one-hour per week class which allows students to earn up to 4 units per semester for experience gained through employment or volunteer service. Enroll in a general Work Experience section and you will be placed in your choice of one of the disciplines below.

Units Determination:
General Work Experience (not related to one of the occupational disciplines listed below) is 3 units only.
Occupational Work Experience (one of the disciplines listed below) varies from 1 to 4 units. For every one (1) unit of work experience credit, students must complete 75 hours of paid work or 60 hours of volunteer work during the college semester. No more than 20 hours per week may be applied toward this work requirement. Below is a general guide to help students enroll in the appropriate number of units of work experience.

<table>
<thead>
<tr>
<th>Hours Worked Per Week</th>
<th>Students Should Enroll In:</th>
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</thead>
<tbody>
<tr>
<td>20-40 (paid) 15-40 (volunteer)</td>
<td>up to 4 units</td>
</tr>
<tr>
<td>14-19 (paid) 11-14 (volunteer)</td>
<td>up to 3 units</td>
</tr>
<tr>
<td>9-13 (paid) 7-10 (volunteer)</td>
<td>up to 2 units</td>
</tr>
<tr>
<td>5-8 (paid) 4-6 (volunteer)</td>
<td>1 unit</td>
</tr>
</tbody>
</table>

Accounting
Administration of Justice
Air Conditioning & Refrigeration
Applied Digital Media & Printing
Architecture
Art
Automotive Body
Automotive Technology
Biotechnology
Business Administration
Community Interpretation
Computer Applications & Office Tech
Computer Information Systems
Construction Technology
Cosmetology
Culinary Arts
Dental Hygiene
Dental Technology
Early Childhood Education
Education

Electronics
Engineering
Film, Television & Video
Fire Technology
Human Services
Journalism
Kinesiology
Machine Shop
Management
Marketing
Medical Assisting
Music
Nursing
Paralegal Studies
Photography
Real Estate
Theater Arts
Welding

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### SHORT-TERM CLASSES

#### ACCOUNTING

**ACC-1A PRINCIPLES OF ACCOUNTING I** 3.00 UNITS
An introduction to accounting principles and procedures. Course geared to accounting and business majors.
- **PREREQUISITE:** None.
- **ADVISORY:** BUS-20.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Dates</th>
<th>Last day to add</th>
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</thead>
<tbody>
<tr>
<td>37104</td>
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<td>TTH</td>
<td>HUM 111</td>
<td>P Worsham</td>
<td>08/27/13-10/17/13</td>
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The above section is a hybrid class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

<table>
<thead>
<tr>
<th>Section</th>
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<th>Days</th>
<th>Location</th>
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<td>Y Kirkpatrick</td>
<td>08/26/13-10/14/13</td>
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</table>

The above section is a hybrid class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

#### ACC-1B PRINCIPLES OF ACCOUNTING II** 3.00 UNITS
A study of managerial accounting principles and information systems.
- **PREREQUISITE:** ACC-1A.

<table>
<thead>
<tr>
<th>Section</th>
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<th>Days</th>
<th>Location</th>
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All sections of ACC-1A below are online classes Computer with Internet access is required. See [www.opencampus.com](http://www.opencampus.com).

<table>
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All sections of ACC-1B below are online classes Computer with Internet access is required. See [www.opencampus.com](http://www.opencampus.com).

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</tbody>
</table>

The above section is an online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

#### ACC-62 PAYROLL ACCOUNTING** 3.00 UNITS
Studies accounting for payroll and aspects of social security, unemployment, and workers compensation, utilizing microcomputer applications.
- **PREREQUISITE:** ACC-1A.

<table>
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The above section is a web-enhanced class. Internet access is required.

#### ART

**ART-6 ART APPRECIATION** 3.00 UNITS
An introductory course for the non-art major. An overview of the creative process and various art forms.
- **PREREQUISITE:** None.
- **ADVISORY:** Qualification for ENG-1A.

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The above section is an online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

#### BUSINESS ADMINISTRATION

**BUS-10 INTRO TO BUSINESS** 3.00 UNITS
Considers scope, function and organization of business, including principles and practices, with an integrated global perspective.
- **PREREQUISITE:** None.

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All sections of BUS-10 below are online classes Computer with Internet access is required. See [www.opencampus.com](http://www.opencampus.com).

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All sections of BUS-20 below are online classes Computer with Internet access is required. See [www.opencampus.com](http://www.opencampus.com).

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The above section is web-enhanced. Internet access is required.

#### BUS-20 BUSINESS MATH** 3.00 UNITS
Introduces math based approaches to solving common business problems. Includes the areas of business statistics, pricing, payroll, taxes, interest, personal finance, and business finance.
- **PREREQUISITE:** None.

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All sections of BUS-20 below are online classes Computer with Internet access is required. See [www.opencampus.com](http://www.opencampus.com).
BUS-47 APPLIED BUS, MGMT ETHICS  3.00 UNITS
An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as MAG-47)
- PREREQUISITE: None.
37735 ON LINE  G Zwart
08/26/13 10/18/13  Last day to add: 09/14/13
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

BUS-80 PRINCIPLES OF LOGISTICS  3.00 UNITS
Introduction to the field of logistics and the methods for improving product distribution effectiveness.
- PREREQUISITE: None.
37657 ON LINE  R Beck
10/21/13 12/13/13  Last day to add: 10/29/13
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

BUS-82 FREIGHT CLAIMS  1.50 UNITS
Review of the techniques for avoiding losses in transit and of the preparation, filing and resolution of freight claims.
- PREREQUISITE: None.
37174  06:30PM 09:40PM  W  IT  210  C Pentis
08/26/13 10/16/13  Last day to add: 09/01/13

BUS-83 CONTRACTS  1.50 UNITS
An analysis of considerations involved in the drafting and negotiation of freight and logistics contracts.
- PREREQUISITE: None.
37175  06:30PM 09:40PM  W  IT  210  C Pentis
10/21/13 12/11/13  Last day to add: 10/27/13

BUS-87 PURCHASING AND SUPPLY MGMT  3.00 UNITS
Study of the purchasing and supply manager's role in procurement of resources that organizations need to attain goals, with emphasis on decision making, supplier integration, internal relationships, and customer service.
- PREREQUISITE: None.
37176 ON LINE  R Beck
08/26/13 10/18/13  Last day to add: 09/03/13
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

BUS-90 INTERNATIONAL LOGISTICS  3.00 UNITS
Introduction to the role of logistics in global business.
- PREREQUISITE: None.
37177 ON LINE  R Beck
10/21/13 12/13/13  Last day to add: 10/29/13
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

COMMUNICATION STUDIES

COM-1 PUBLIC SPEAKING  3.00 UNITS
Prepare, present and evaluate a variety of speeches.
- PREREQUISITE: None.
- ADVISORY: COM-51 and/or qualification for ENG-1A.
37212  07:10AM 08:40AM  MTWTH  IT  211  J Floerke
08/26/13 10/17/13  Last day to add: 09/02/13

COM-9 INTERPERSONAL COMMUNICATION  3.00 UNITS
Analyzes the dynamics, components and ethics of the two-person communication process in relationships.
- PREREQUISITE: None.
- ADVISORY: COM-51 and/or qualification for ENG-1A.
37227  07:10AM 08:40AM  MTWTH  IT  211  J Floerke
10/21/13 12/12/13  Last day to add: 10/26/13

ENGLISH

ENG-60A ENGL FUND: SENT TO PARAGRAPH  4.00 UNITS
This course instills basic writing, reading, and grammar skills via sentence and paragraph writing.
(Non-degree credit course. Pass-No Pass only.)
- PREREQUISITE: None.
37330  07:30AM 10:50AM  MWF  EEM E1 D Mills
08/26/13 10/11/13  Last day to add: 09/04/13
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 2 hours and 15 minutes per week.
37329  08:15AM 10:20AM  MTWTH  IT  206  L Nelson
08/26/13 10/17/13  Last day to add: 09/05/13
The above section is designed with special emphasis on African American culture and requires concurrent enrollment in GUI-45-37375. See the instructor and T3P counselor before enrolling. This course has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 2 hours and 15 minutes per week.
ENG-60B  ENGL FUND: PARAGRAPH TO ESSAY  4.00 UNITS
This course advances basic reading, writing, and grammar skills via the production of paragraphs and short essays. (Non-degree credit course. Pass-No Pass only.)
• PREREQUISITE: ENG-60A or qualifying placement level.

37336  07:30AM 10:50AM  MWF  EEM E1  D Mills
10/21/13 12/06/13  Last day to add: 10/28/13
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 2 hours and 15 minutes per week.

37337  08:15AM 10:20AM  MTWTH  IT 206  L Nelson
10/21/13 12/13/13  Last day to add: 10/29/13
The above section is designed with special emphasis on African American culture and requires concurrent enrollment in GUI-45-37375. See the instructor and T3P counselor before enrolling. This course has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Norco English and Writing Lab in IT 121 for 2 hours and 15 minutes per week.

ENG-85  WRITING CLINIC (ENGLISH)  0.50 UNITS
A self-paced, open-entry/open-exit, Writing and Reading Center-based modular course designed for those who need concentrated attention in various areas of grammar, punctuation, and composition. (Non-degree credit course. Pass-No Pass only.)
• PREREQUISITE: None.

37732  11:00AM 12:50PM  F  IT 110  D Mills
09/13/13 12/13/13  Last day to add: 12/13/13

GUIDANCE

GUI-45  INTRODUCTION TO COLLEGE  1.00 UNITS
Introduction to programs, resources and personal factors that contribute to college success.
• PREREQUISITE: None.

37375  02:00PM 02:50PM  TTH  ATEC 210  J Moore
08/27/13 10/17/13  Last day to add: 09/02/13
The above web-enhanced section is designed with special emphasis on African American culture and requires concurrent enrollment in ENG-60A-37329 and ENG-60B-37337. See the T3P counselor before enrolling. Internet access is required.

37691  02:00PM 02:50PM  TTH  WEQ W4  Staff
08/27/13 10/17/13  Last day to add: 09/02/13

GUI-48  COLLEGE SUCCESS STRAT  2.00 UNITS
Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.
• PREREQUISITE: None.

37384  02:00PM 03:15PM  TTH  IT 109  B Tarver
08/27/13 11/14/13  Last day to add: 09/07/13

37791  04:15PM 05:40PM  TTH  HUM 103  Staff
08/27/13 11/14/13  Last day to add: 09/07/13

LIBRARY

LIB-1  INFORMATION COMPETENCY  1.00 UNITS
Presents the fundamentals of the effective use of libraries, electronic databases and information.
• PREREQUISITE: None.

MANAGEMENT

MAG-44  PRINCIPLES OF MANAGEMENT  3.00 UNITS
An overview of the concepts, processes and techniques of organizational management.
• PREREQUISITE: None.

MAG-47  APPLIED BUS, MGMT ETHICS  3.00 UNITS
An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as BUS-47)
• PREREQUISITE: None.

MAG-51  ELEMENTS OF SUPERVISION  3.00 UNITS
Covers responsibilities of a supervisor in industry, including organization, employee relations and evaluations.
• PREREQUISITE: None.

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!
www.norccollegebookstore.com
### MAG-53 HUMAN RELATIONS 3.00 UNITS
Practical application of basic psychology in building better employer-employee relationships.
- **PREREQUISITE:** None.

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The above section is an online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

### MAT-12 STATISTICS 3.00 UNITS
A study of statistical methods and their application to hypothesis testing and estimation of population parameters.
- **PREREQUISITE:** MAT-35 or qualifying placement level.

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### MUS-19 MUSIC APPRECIATION 3.00 UNITS
A survey of music in the Western world focused on listening, including terminology for describing musical elements, forms, styles, and the roles of music and musicians in society.
- **PREREQUISITE:** None.

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The above section is an online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

### PHI-10 INTRO TO PHILOSOPHY 3.00 UNITS
Introduction to the major questions of Western philosophy and their answers.
- **PREREQUISITE:** None.

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### PHI-11 CRITICAL THINKING 3.00 UNITS
Introduction to critical thinking as it relates to everyday experience and general knowledge.
- **PREREQUISITE:** None.

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### RLE-80 REAL ESTATE PRINCIPLES 3.00 UNITS
Fundamental course covering the basic laws, principles and terminology of California real estate practice.
- **PREREQUISITE:** None.

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### RLE-81 REAL ESTATE PRACTICE 3.00 UNITS
Daily operations in real estate brokerage. Applies toward educational requirements for broker's examination.
- **PREREQUISITE:** None.

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### RLE-82 LEGAL ASPECTS RL ESTAT 3.00 UNITS
California real estate law as it applies to acquisition, ownership, trust deeds, transfers, foreclosure and probate.
- **PREREQUISITE:** None.

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SIMULATION & GAME DEVELOPMENT

GAM-70 COMPUTER SKILLS FOR GAME ART 1.00 UNITS
Introduction to fundamental computer concepts related to typical functions required of a game artist. Standard file management, navigation, storage, and multiple backup techniques for files is taught as well as basic scanning techniques, appropriate use of Internet resources, copyright issues and an introduction to graphic file formats.

PREREQUISITE: None.
COREQUISITE: GAM-31 OR 42.

All sections of GAM-70 below are individually-paced web-enhanced classes and have 24 instructional hours to be arranged. Students must attend a mandatory orientation held in LIBR LRC on either 8/27/13 from 2:30-3:55PM or 8/28/13 from 12:00-1:00PM. Internet access is required.

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What are individually-paced classes?
Individually-paced classes are offered to allow flexibility in completing the required modules. All students must attend one orientation session with the instructor prior to starting work.

Orientation Sessions
8/27/13 ............................................... 02:30PM – 3:55PM in LIBR LRC
8/28/13 ............................................... 12:00PM – 1:00PM in LIBR LRC

Lab assignments and modular assessments are completed in the Game Lab (LIBR LRC) and must be completed according to the deadlines provided by your instructor.

Individually-paced classes are web-enhanced and require Internet access.

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!
www.norcocollegebookstore.com
THEATER ARTS

THE-3  INTRO TO THE THEATER  3.00 UNITS
A survey of theatrical styles and forms intended for the general college student.

- **PREREQUISITE:** None.

All sections of THE-3 below are online classes. Computer with Internet access is required. See [www.opencampus.com](http://www.opencampus.com).

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IGETC is a guide to choosing your classes that can save you time and money – an even better guide is a Norco College counselor who will work with you to develop an education plan. Your personalized plan will include general education course choices and the courses you’ll need to prepare for your major at your chosen university. In some cases, you can use one course to count for two requirements, saving you time and money.

RCCD General Education Program Student Learning Outcomes

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IGETC = Intersegmental General Education Transfer Curriculum
FALL 2013

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Final Examination Schedule

- Failure to report for scheduled final examinations may result in a failing grade for the course. In case of illness or other emergency, the student must report to the instructor's office or department prior to the beginning of the examination.
- Final examinations for evening (4:30PM and later) and Saturday and Sunday classes will be held at the time and place of the regular class meeting on the following dates:

  Sunday, December 8  Monday, December 9  Tuesday, December 10  Wednesday, December 11  Thursday, December 12  Friday, December 13  Saturday, December 14

Classes meeting two nights per week will not meet the first meeting and shall use the second meeting for the final exam.

- Final Examination Schedules are specific to each college, and are to be used to determine the final examination dates for classes that are held only at that college.
- Final examination for classes shorter than a full semester will be held on the last class meeting date.
- The chart below details the final examination schedule for full-semester weekday classes. Choose the block that most closely matches the time and day the class meets, and that does not result in a conflict with other classes that are also scheduled within that same block. The date of the final examination will occasionally be scheduled on a day that the class does not normally meet. Note the start time and arrive promptly.

  **If you have two finals scheduled at the same time, see your instructors to schedule an alternate time for one of your finals.**
Interested in a Career in Manufacturing??

The following courses will prepare students to enter the field of manufacturing

MAN-56 CNC Machine Setup & Operation
MAN-57 CNC Program Writing
MAN-52 Computer Aided Manufacturing – Mastercam
MAN-64 Programmable Logic Controllers

For more information regarding certificate programs, course sequencing or scheduling please visit: www.norcocole.edu/CTE

Did you know?

There is a “sample” class loaded with tutorials and useful information. The sample class is based upon classes taught using the Blackboard 9.1 environment. Video tutorials, helpful links and other resources are available for viewing and reference.

To access, follow these easy steps:

Step 2: Under “Open Campus Links,” click “Visit the Sample Class.”

If you are taking classes using Blackboard 9.1, help is available 24/7. The Blackboard Student Support Service line is available to provide assistance 24 hours a day, 7 days a week for issues directly related to classes taught using Blackboard 9.1.

If you have reviewed the tutorials and information provided in the sample class, or have reviewed the information provided on the Open Campus Help Page and are still experiencing difficulties, call toll free at 1-866-259-7271.

You can also get online support via e-mail and chat through the Online Learning Support Center link, located on the main Blackboard 9.1 login screen and on the Open Campus Help Page.

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Moreno Valley College

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For more information on Study Abroad programs, contact:

Jan Schall, Director
International Education
tel: (951) 222-8340
e-mail: Jan Schall at jan.schall@rcc.edu
Study Abroad office:
Riverside City College
Quadrange 100
4800 Magnolia Avenue
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