SCHEDULE OF CLASSES

NORCO COLLEGE

Fall Semester
AUGUST 29 - DECEMBER 15, 2016

Invest in Your Future!
Fall 2016 is the perfect time to enroll in classes at Norco College.

- Transfer to a four-year college or university
- Earn units towards an associate degree
- Receive job training or career certificate
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- Financial aid is available to those who qualify
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www.norcocollege.edu/FALL16 or (951) 372-7000.

Get started today!

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 17-25 de nuestra Páginas de Información.

WWW.NORCOCOLLEGE.EDU
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.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>37134</td>
<td>08:00AM-09:25AM</td>
<td>TTH</td>
<td>HUM 111</td>
<td>M. Snow</td>
</tr>
<tr>
<td>37130</td>
<td>09:40AM-11:05AM</td>
<td>TTH</td>
<td>IT 117</td>
<td>P. Worsham</td>
</tr>
<tr>
<td>37135</td>
<td>06:00PM-09:10PM</td>
<td>W</td>
<td>JFK 116</td>
<td>Y. Kirkpatrick</td>
</tr>
</tbody>
</table>

The above sections are web-enhanced classes. Internet access is required.

**ONLINE**

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<thead>
<tr>
<th>Section</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>37133</td>
<td>08/29/16-10/21/16</td>
<td>TTH</td>
<td>IT 117</td>
<td>P. Worsham</td>
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<tr>
<td>37900</td>
<td>10/24/16-12/15/16</td>
<td>TTH</td>
<td>IT 117</td>
<td>P. Worsham</td>
</tr>
</tbody>
</table>

The above sections are short term online classes that require an on-site proctored final exam. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**EVENING**

The above sections are short term hybrid classes. Computer with Internet access required. See [www.opencampus.com](http://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.

<table>
<thead>
<tr>
<th>Section</th>
<th>Time</th>
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<th>Instructor</th>
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<tr>
<td>37138</td>
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<td>37135</td>
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<td>JFK 116</td>
<td>Y. Kirkpatrick</td>
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</tbody>
</table>

The above sections are short term hybrid classes. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.
ADJ-2  PRINCIPLES OF JUSTICE SYSTEM  3.00 UNITS
An examination of due process in criminal proceedings. (Same as JUS-2)
PREREQUISITE: None.

37872  04:15PM 05:40PM  TTH  IT  209  F Pradia
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

ADJ-4  LEGAL ASPECTS OF EVIDENCE  3.00 UNITS
Origin, development, philosophy, and Constitutional-based evidence.  
(Same as JUS-4)
PREREQUISITE: None.

37873  11:15AM 12:40PM  TTH  STEM 115  F Pradia
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

ADJ-5  COMMUNITY RELATIONS  3.00 UNITS
Principal emphasis will be placed upon examining the relationship between 
diverse communities and the justice system. (Same as JUS-5)
PREREQUISITE: None.

ADJ-13  CRIMINAL INVESTIGATION  3.00 UNITS
Fundamentals of investigation; crime scene search and recording, 
interviews and interrogation. (Same as JUS-13)
PREREQUISITE: None.

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.

37146  09:00AM 12:10PM  MW  ST  207  P Campo
11:30AM 12:20PM  T  IT  101
11:30AM 12:35PM  TH  IT  101
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37149  11:30AM 12:20PM  T  IT  101  P Campo
08:00AM 11:10AM  TTH  ST  207
11:30AM 12:35PM  TH  IT  101
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37849  01:30PM 02:20PM  M  ST  207  G Johansen
02:45PM 05:55PM  MW  ST  207
01:30PM 02:35PM  W  ST  207
Last day to add: 09/09/16
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.

37151  11:15AM 12:05PM  T  ST 211  C Sternburg
02:00PM 05:10PM  TTH  ST 211
11:15AM 12:20PM  TH  ST 211
Last day to add: 09/09/16

EVENING
37150  05:15PM 06:05PM  T  ST 207  R Allen
06:30PM 09:40PM  TTH  ST 211
05:15PM 06:20PM  TH  ST 207
Last day to add: 09/09/16

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

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

37145  04:15PM 05:40PM  MW  STEM 201  S Standen
Last day to add: 09/09/16

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

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.

37154  07:00AM 11:05AM  F  HUM 111  D Cheetham
09/02/16 12/09/16
Last day to add: 09/13/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

37153  08:45AM 10:10AM  MW  HUM 111  E Paison
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37152  11:15AM 12:40PM  TTH  HUM 111  Staff
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37156  02:00PM 03:25PM  TTH  HUM 111  Staff
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37155  04:15PM 05:40PM  MW  HUM 111  A Tripp
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

ANT-1H  HONORS PHYSICAL ANTHROPOLOGY  3.00 UNITS
An honors class that examines human biological evolution and physical diversity, incorporating genetics, primates, fossils, and relationship to the animal world.
PREREQUISITE: None.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

37874  12:45PM 02:10PM  MW  STEM 125  A Gray
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

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.

37159  09:40AM 11:05AM  TTH  HUM 111  Staff
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37158  10:30AM 11:55AM  MW  HUM 111  Staff
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37875  04:15PM 05:40PM  TTH  HUM 111  A Mejia
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

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

37163  06:00PM 09:10PM  M  HUM 111  C Goralski
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.
### ANT-6  INTRODUCTION TO ARCHAEOLOGY  3.00 UNITS
Examination of the goals, concepts, discoveries, and methods of modern archaeology as they are used to reconstruct and interpret ancient societies.
**PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>37164</td>
<td>12:45PM-02:10PM</td>
<td>MW</td>
<td>HUM 111</td>
<td>Staff</td>
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</table>

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

### ANT-7  ANTHROPOLOGY OF RELIGION  3.00 UNITS
Anthropological study of religion in world cultures, focusing on beliefs, ritual, mythology, and the role of religion in traditional societies.
**PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Course</th>
<th>Time</th>
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<tr>
<td>37165</td>
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<td>MW</td>
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</table>

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.

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<th>Course</th>
<th>Time</th>
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<td>37166</td>
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The above section is a web-enhanced class. Internet access is required.

### ART-1  HIST ART: ANCIENT/MED  3.00 UNITS
Survey of the history of Western art: Prehistoric through the Medieval periods.
**PREREQUISITE:** None.
**ADVISORY:** Qualification for ENG-1A.

<table>
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<tr>
<th>Course</th>
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<td>37841</td>
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The above section is a web-enhanced class. Internet access is required.

### ART-2  HIST ART: RENAISS/CONTEMP  3.00 UNITS
Survey of the history of Western art: Renaissance through Contemporary.
**PREREQUISITE:** None.
**ADVISORY:** Qualification for ENG-1A.

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<thead>
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<th>Course</th>
<th>Time</th>
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<tr>
<td>37173</td>
<td>08:00AM-09:25AM</td>
<td>TTH</td>
<td>WEQ 5</td>
<td>B May</td>
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The above section is a web-enhanced class. Internet access is required.

### 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.

<table>
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<td>37180</td>
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<td>MW</td>
<td>WEQ 6</td>
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The above section is a web-enhanced class. Internet access is required.

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

### 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.

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<thead>
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<tr>
<td>37167</td>
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<td>07:35PM-09:40PM</td>
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<td>06:00PM-09:10PM</td>
<td>TH</td>
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</table>

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

### ARE-36  HIST ARCH RENAISS-MODERN  3.00 UNITS
Purposes and types of buildings from Renaissance to present day. Emphasis on processes and sources of design.
**PREREQUISITE:** None.

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<tr>
<th>Course</th>
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<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>37902</td>
<td>06:00PM-09:10PM</td>
<td>TH</td>
<td>ATEC 109</td>
<td>Staff</td>
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</tbody>
</table>

The above section is a web-enhanced class. Internet access is required.
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.
37169  08:00AM 08:50AM  M  ATEC 209  Q Bemiller
09:05AM 11:10AM  MW  ATEC 209
08:00AM 09:05AM  W  ATEC 209
The above section is a web-enhanced class. Internet access is required.

ART-20  BEGINNING SCULPTURE  3.00 UNITS
Introduction to the fundamentals of sculptural design and creation, using a variety of methods and materials. A materials fee of $15 will be charged at the time of registration.
PREREQUISITE: None.
37835  08:00AM 09:25AM  M  ATEC 209  Staff
08:00AM 09:25AM  W  ATEC 209
The above section is a web-enhanced class. Internet access is required.

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.
37174  09:40AM 10:30AM  T  ATEC 209  Q Bemiller
10:45AM 12:50AM  TTH  ATEC 209
10:40AM 12:45AM  TH  ATEC 209
The above section is a web-enhanced class. Internet access is required.

ART-24  THREE DIMENSIONAL DESIGN  3.00 UNITS
Introduction to the fundamentals of three-dimensional design. A materials fee of $15 will be charged at the time of registration.
PREREQUISITE: None.
37175  06:00PM 06:50PM  T  ATEC 209  M Lindeman
07:05PM 09:10PM  TTH  ATEC 209
06:00PM 07:05PM  TH  ATEC 209
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.
37176  10:30AM 11:55AM  MW  ATEC 209  Q Bemiller
12:00PM 02:30PM  MW  ATEC 209
11:20AM 12:25PM  W  ATEC 209
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

ART-27  INTERMEDIATE PAINTING  3.00 UNITS
Intermediate painting (oil or acrylic); various techniques, process, perception, color theory, composition, and creativity.
PREREQUISITE: ART-23 or 26.
37177  11:00AM 01:00PM  M  ATEC 209  Q Bemiller
10:40AM 12:55PM  MW  ATEC 209
11:20AM 02:30PM  W  ATEC 209
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

ART-40A  FIGURE DRAWING-INTRODUCTION  3.00 UNITS
Introduction to drawing the human figure from a nude model. A variety of materials will be used.
PREREQUISITE: ART-17.
37179  08:00AM 09:25AM  F  ATEC 209  B May
10:40AM 12:05PM  F  ATEC 209
Last day to add: 09/13/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

BIOLOGY

BIO-1  GENERAL BIOLOGY  4.00 UNITS
A study of life as revealed in biological systems using cellular, organismal and ecological approaches. The basic principles of cellular biology, biochemistry, genetics, evolution, ecology and the social implications of biology.
PREREQUISITE: None.
37184  07:00AM 08:25AM  M  ATEC 209  M Gutierrez
09:00AM 10:25AM  M  ATEC 209
10:20AM 12:25PM  T  ATEC 209
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37188  07:00AM 08:25AM  M  ATEC 209  M Gutierrez
09:00AM 10:25AM  T  ATEC 209
10:20AM 12:25PM  T  ATEC 209
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37191  10:30AM 11:55AM  MW  ATEC 209  C Wilson
01:00PM 04:10PM  W  ATEC 209
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37192  10:30AM 11:55AM  MW  ATEC 209  C Wilson
01:00PM 04:10PM  M  ATEC 209
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

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BIO-8       PRINCIPLES OF ECOLOGY                  4.00  UNITS
The above section is a web-enhanced class. Internet access is required.

BIO-11       INTRO MOLEC & CELL BIOLOGY             5.00  UNITS
An intensive course for Life Science majors studying the principles of biochemistry, metabolism, homeostasis, cells, genetics, cell communication, development, evolution and diversity at the cellular level. 
PREREQUISITE: CHE-1A or 1AH.
ADVISORY: MAT-35 AND ENG-50 or 80 or qualifying placement level.

BIO-34       HUMAN GENETICS                          3.00  UNITS
A comprehensive survey of human genetics with an emphasis on the role of genetics and environment on cells, individuals, family and human populations. Discussions on human genetic disorders and the social implications of modern human genetics will be included.
PREREQUISITE: None.
ADVISORY: High school biology or any college life science course with laboratory.

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.

BUS-12       OPPORTUNITY ANALYSIS                   2.00  UNITS
Examines the process of transforming ideas into business opportunities. 
PREREQUISITE: None.

BUSINESS ADMINISTRATION

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! 
www.norcocollegebookstore.com
BUS-13 SUCCESSFUL BUSINESS PLAN/MODEL  2.00 UNITS
Provides a systematic process for developing a business plan/model.  
PREREQUISITE: None.

EVENING  
37205  06:30PM 08:35PM TH JFK 118  T Johnson  
Last day to add: 09/09/16

BUS-18A BUSINESS LAW I  3.00 UNITS
Legal and ethical environment of business torts, contracts, sales and principles of employment.  
PREREQUISITE: None.

EVENING  
37208  06:30PM 09:40PM M JFK 117  Staff  
The above section is a web-enhanced class. 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.

EVENING  
37207  06:30PM 09:40PM T JFK 102  T Wagner  
08/30/16 10/18/16  Last day to add: 09/03/16
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.

ONLINE  
37206  ON LINE  T Wagner  
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ONLINE  
37209  ON LINE  T Wagner  
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  
37210  06:30PM 09:40PM T JFK 102  T Wagner  
10/24/16 12/15/16  Last day to add: 10/29/16
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.

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.

EVENING  
37212  06:00PM 07:25PM TH IT 109  R Beck  
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

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

ONLINE  
37211  ON LINE  R Beck  
08/29/16 10/21/16  Last day to add: 09/06/16
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.

ONLINE  
37213  ON LINE  R Beck  
10/24/16 12/15/16  Last day to add: 11/01/16
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com.

BUS-24 BUSINESS COMMUNICATION  3.00 UNITS
This course applies the principles of ethical and effective communication to the creation of letters, memos, emails and written and oral reports for a variety of business situations.  
PREREQUISITE: ENG-1A OR 1AH.

37901  11:15AM 12:40PM TTH IT 125  P Seariac  
The above section is a web-enhanced class. Internet access is required.

ONLINE  
37216  ON LINE  V Mixson  
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

BUS-30 ENTREPRENEURSHIP  3.00 UNITS
An exploration of the nature and extent of business ownership and small business management.  
PREREQUISITE: None.

ONLINE  
37218  ON LINE  A Martin  
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
| Course Code | Course Title                                      | Units | Prerequisites                                      | Format               | Schedule                        | Instructor  | Start Date | End Date | Last Day to Add |
|-------------|--------------------------------------------------|-------|----------------------------------------------------|----------------------|-------------------------------|-------------|------------|----------|----------------|-----------------|
| BUS-47      | APPLIED BUS, MGMT ETHICS                         | 3.00  | None                                               | EVENING              | 06:30PM - 09:40PM, TH, IT, A Riker | 09/09/16    | A Riker    |          | 09/09/16       | Web-enhanced    |
| BUS-80      | PRINCIPLES OF LOGISTICS                          | 3.00  | None                                               | EVENING              | 06:00PM - 07:25PM, T, IT, R Beck | 09/09/16    | R Beck     |          | 09/09/16       | Hybrid          |
| BUS-82      | FREIGHT CLAIMS                                   | 1.50  | None                                               | EVENING              | 06:30PM - 09:40PM, W, IT, C Pentis | 10/30/16    | C Pentis   |          | 09/04/16       | Web-enhanced    |
| BUS-83      | CONTRACTS                                        | 1.50  | None                                               | EVENING              | 06:30PM - 09:40PM, W, JFK, C Pentis | 09/16/16    | C Pentis   |          | 09/16/16       | Web-enhanced    |
| BUS-87      | PURCHASING AND SUPPLY MGMT                       | 3.00  | None                                               | ONLINE               | 08:29/16 - 10/21/16, ON, R Beck | 11/01/16    | R Beck     |          | 09/06/16       | Online          |
| BUS-90      | INTERNATIONAL LOGISTICS                          | 3.00  | None                                               | ONLINE               | 10/24/16 - 12/15/16, ON, R Beck | 11/01/16    | R Beck     |          | 11/01/16       | Online          |
| CHE-1A      | GENERAL CHEMISTRY I                              | 5.00  | CHE-2A or 3 and MAT-35                             | Web-enhanced         | 02:30PM - 03:55PM, MW, HUM 103, M Farnum | 11/09/16    | M Farnum   |          | 09/09/16       | Web-enhanced    |
| CHE-1B      | GENERAL CHEMISTRY II                             | 5.00  | CHE-1A or 1AH                                      | Web-enhanced         | 08:45AM - 11:55AM, MW, HUM 208, Staff | 09/16/16    | Staff      |          | 09/09/16       | Web-enhanced    |
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.

37238 10:30AM 11:55AM MW IT 117 S Tyler
08:45AM 11:55AM T HUM 204

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

37239 10:30AM 11:55AM MW IT 117 S Tyler
08:45AM 11:55AM TH HUM 204 G Garg

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

CHE-12B ORGANIC CHEMISTRY II 5.00 UNITS
Continued study of structure and reactivity of carbon compounds with increasing emphasis on biological applications.
PREREQUISITE: CHE-12A.

37230 02:00PM 05:10PM MW HUM 208 S Tyler
02:00PM 03:25PM TTH IT 209

The above section is a web-enhanced class. 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.

37265 08:00AM 09:25AM TTH IT 210 A Olaerts
Last day to add: 09/09/16

37871 08:45AM 10:10AM MW IT 123 M Lewis
Last day to add: 09/09/16

37270 09:40AM 11:05AM TTH IT 210 A Olaerts
Last day to add: 09/09/16

37266 10:30AM 11:55AM MW WEQ W4 M Lewis
Last day to add: 09/09/16

37271 11:15AM 03:20PM F IT 109 F Shibley
09/02/16 12/09/16 Last day to add: 09/13/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

37268 12:45PM 02:10PM MW ATEC 211 S Cruz-Pobocik
Last day to add: 09/09/16

37269 02:30PM 03:55PM TH IT 210 J Muto
Last day to add: 09/09/16

37868 04:15PM 05:40PM MW CACT 1 S Cruz-Pobocik
Last day to add: 09/09/16

37263 04:15PM 05:40PM TH IT 210 J Muto
Last day to add: 09/09/16

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

COMMERCIAL MUSIC

Looking for courses in the COMMERCIAL MUSIC program?
Commercial Music is now MUSIC INDUSTRY STUDIES (MIS).
All courses have been renamed and can be found beginning on page 42 of this document.
NOTE: Only the name of the program has changed - all courses and program requirements remain the same.
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.
37276 02:00PM 03:25PM TTH IT 211 D Romo
Last day to add: 09/09/16
37277 04:15PM 05:40PM TTH IT 123 D Romo
Last day to add: 09/09/16

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.
37867 12:45PM 02:10PM MW IT 109 R Stinson
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

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.
37287 07:00AM 11:05AM F IT 109 F Shibley
09/02/16 12/09/16
Last day to add: 09/13/16
The above section is a short term web-enhanced class. Internet access is
required. Please note the start and end dates.
37280 07:10AM 08:35AM MW IT 108 M Lewis
Last day to add: 09/09/16
37286 08:00AM 09:25AM TTH IT 110 M Lewis
Last day to add: 09/09/16
37284 09:40AM 11:05AM TTH WEQ W5 M Lewis
Last day to add: 09/09/16
37281 02:30PM 03:55PM MW IT 211 R Stinson
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.
37278 04:15PM 05:40PM MW IT 211 R Stinson
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

COM-9H HONORS INTERPERS COMMUNICATION 3.00 UNITS
Offers students in the Honors Program the opportunity to analyze the
dynamics, components and ethics of the two-person communication
process in relationships in the context of the world-at-large.
PREREQUISITE: None.
ADVISORY: COM-51 and/or qualification for ENG-1A.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.
37866 02:30PM 05:40PM T IT 210 J Muto
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

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.
37272 11:15AM 12:40PM TTH ATEC 210 M Lewis
Last day to add: 09/09/16

COM-12 INTERCULTURAL COMMUNICATION 3.00 UNITS
Focuses on the communication behaviors and values common to all
cultures and ethnic groups, and on the differences that may insulate and
divide people.
PREREQUISITE: None.
ADVISORY: COM-51 and/or qualification for ENG-1A.
ONLINE
37273 10/24/16 12/15/16 ON LINE A Olaerts
Last day to add: 11/01/16
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.

COM-20 COMM THEORY 3.00 UNITS
Overview of human communication and mass communication theories and
processes.
PREREQUISITE: None.
ADVISORY: COM-51 and/or qualification for ENG-1A.
ONLINE
37959 ON LINE J Muto
Last day to add: 09/09/16
The above section is an online class. Computer with Internet access
required. See www.opencampus.com.

COMPUTER APPLICATIONS/OFFICE

CAT-80 WORD FOR WINDOWS 3.00 UNITS
Provides beginning, intermediate and advanced levels of skill applied to a
variety of professional/business documents. (Same as CIS-80)
PREREQUISITE: None.
ADVISORY: Typing knowledge/skills of at least 40 wpm.
ONLINE
37227 ON LINE W Ibekwe
Last day to add: 09/09/16
The above section is an online class. Computer with Internet access
required. See www.opencampus.com. All hours, including the 18-hour
laboratory requirement, are completed online.
CAT-93  COMPUTERS FOR BEGINNERS  3.00 UNITS
An introduction to personal computers for the beginning student.
(3ame as CIS-93)
PREREQUISITE: None.
37931  10:15AM 11:40AM  TTH  IT  106  B Fuller
11:50AM 12:40PM  T  IT  106
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

CAT-98A  INTRO TO EXCEL  1.50 UNITS
An introduction to electronic spreadsheets using Excel. (Same as CIS-98A)
PREREQUISITE: None.
● ONLINE
37228  ON LINE  W Manges
Last day to add: 09/09/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.

COMPUTER INFORMATION SYSTEMS

CIS-1A  INTRO TO COMP INFO SYS  3.00 UNITS
An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.
PREREQUISITE: None.
37250  08:45AM 12:50PM  F  ATEC 118  B Fuller
01:00PM 02:10PM  F  ATEC 118
09/02/16 12/09/16  Last day to add: 09/13/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.

37246  09:40AM 11:05AM  TTH  ATEC 118  B Steffel
11:15AM 12:20PM  TH  ATEC 118
09/02/16 12/09/16  Last day to add: 09/13/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

37244  04:00PM 05:25PM  MW  ATEC 109  M Chapman
05:35PM 06:25PM  M  LIBR LRC
09/02/16 12/09/16  Last day to add: 09/13/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
● EVENING
37248  06:00PM 09:10PM  W  ATEC 118  W Ibekwe
09:10PM 10:00PM  W  ATEC 118
09/02/16 12/09/16  Last day to add: 09/13/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
● ONLINE
37245  ON LINE  C Brotherton
Last day to add: 09/09/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.

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.
37254  02:00PM 03:25PM  TTH  ATEC 118  Staff
03:35PM 05:00PM  TTH  ATEC 118
09/02/16 12/09/16  Last day to add: 09/13/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.

37255  06:30PM 07:55PM  MW  IT  106  M Chapman
08:05PM 09:30PM  MW  IT  106
09/02/16 12/09/16  Last day to add: 09/13/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 54-hour laboratory requirement, are completed online.

37253  ON LINE  J Dalby
Last day to add: 09/09/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 54-hour laboratory requirement, are completed online.

37256  ON LINE  T Pryor
Last day to add: 09/09/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 54-hour laboratory requirement, are completed online.

CIS-17A  C++ PROGRAMMING: OBJECTS  3.00 UNITS
Object-Oriented program development using C++. (Same as CSC-17A)
PREREQUISITE: CIS/CSC-5.
37240  03:45PM 05:10PM  M  STEM 302  A Rainey
05:20PM 06:10PM  M  STEM 302
03:45PM 05:10PM  W  STEM 302
09/02/16 12/09/16  Last day to add: 09/13/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.

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www.norcocollegebookstore.com
CIS-17B  C++ PRGM: ADVANCED OBJECTS  3.00 UNITS
This is an advanced programming course in C++ suitable for complex Business, and Gaming applications. (Same as CSC-17B)

PREREQUISITE: None.

ADVISORY: CIS/CSC-17A.

37241  01:15PM 03:15PM  M  IT 202  J Ruiz
01:15PM 02:05PM  W  IT 202
02:15PM 03:05PM  W  IT 202

Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

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
37242  06:00PM 09:10PM  TH  IT 106  J Oconnor
09:10PM 10:00PM  TH  IT 106

Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

CIS-18C  JAVA PROGRAMMING: DATA STRUCT  3.00 UNITS
This course presents the essential principles of data structures for the development of computer programs using Java. (Same as CSC-18C)

PREREQUISITE: None.

ADVISORY: CIS/CSC-18A.

EVENING
37243  05:30PM 08:40PM  T  ATEC 118  C Andersen
08:50PM 09:40PM  T  ATEC 118

Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

CIS-59  TYPOGRAPHY AND GRAPHIC DESIGN  3.00 UNITS
Use of typography and layout for high impact visual communication for print, web and other media. (Same as ADM-62)

PREREQUISITE: None.

37933  08:00AM 10:30AM  F  ATEC 109  B Steffel
10:40AM 03:55PM  F  ATEC 109
09/02/16 12/09/16

Last day to add: 09/13/16

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.

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.

37257  03:00PM 04:50PM  T  IT 127  J Oconnor
03:00PM 04:00PM  TH  IT 127
04:10PM 05:00PM  TH  IT 127

Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

CIS-72A  INTRO WEB PAGE CREATION  1.50 UNITS
Introduction to webpage creation using XHTML to create pages with formatted text, hyperlinks, lists, images, tables, frames and forms. (Same as CAT-78A)

PREREQUISITE: None.

ADVISORY: Competency in the use of a computer and familiarity with the Internet; CIS-95A.

ONLINE
37258  

Last day to add: 09/09/16

The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.

CIS-78A  INTRO ADOBE PHOTOSHOP  3.00 UNITS
Introduction to Adobe Photoshop including selections, layers, masks, channels and vector art for manipulating images. (Same as CAT-78A)

PREREQUISITE: None.

37259  08:00AM 09:25AM  TTH  IT 127  C Brotherton
09:35AM 10:25AM  TH  IT 127

Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

CIS-80  WORD FOR WINDOWS  3.00 UNITS
Provides beginning, intermediate and advanced levels of skill applied to a variety of professional/business documents. (Same as CAT-80)

PREREQUISITE: None.

ADVISORY: Typing knowledge/skills of at least 40 wpm.

ONLINE
37261

Last day to add: 09/09/16

The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
CIS-81  INTRO ADOBE INDESIGN  3.00 UNITS  
Page design and layout techniques using Adobe InDesign.  
( Same as CAT-81)  
PREREQUISITE: None.  
37935  10:35AM 12:00PM  TTH  IT  127  C Brotherton  
12:00PM 12:50PM  TH  IT  127  
Last day to add: 09/09/16  
The above section is a web-enhanced class. Internet access is required.  
Designated laboratory hours are included in the meeting times for this class.  

CIS-93  COMPUTERS FOR BEGINNERS  3.00 UNITS  
An introduction to personal computers for the beginning student.  
( Same as CAT-93)  
PREREQUISITE: None.  
37932  10:15AM 11:40AM  TTH  IT  106  B Fuller  
11:50AM 12:40PM  T  IT  106  
Last day to add: 09/09/16  
The above section is a web-enhanced class. Internet access is required.  
Designated laboratory hours are included in the meeting times for this class.  

CIS-98A  INTRO TO EXCEL  1.50 UNITS  
An introduction to electronic spreadsheets using Excel.  
( Same as CAT-98A)  
PREREQUISITE: None.  
37262  ONLINE  ON LINE  W Manges  
Last day to add: 09/09/16  
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.  

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/CSC-5.  
37298  EVENING  06:00PM 09:10PM  TH  ATEC 118  A Rainey  
09:10PM 10:00PM  TH  ATEC 118  
Last day to add: 09/09/16  
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.  

CONSTRUCTION TECHNOLOGY  
CON-62  BLUEPRINT READING  3.00 UNITS  
Overview of the basic concepts of reading construction blueprints.  
PREREQUISITE: None.  
37289  EVENING  06:00PM 09:10PM  M  IT  122  R Skaggs  
Last day to add: 09/09/16  

CON-63A  UNIFORM BLDG CODE/ORDIN  3.00 UNITS  
Use of uniform building code in plan checking for compliance.  
PREREQUISITE: None.  
37290  EVENING  06:00PM 09:10PM  TH  IT  123  J Thomas  
Last day to add: 09/09/16  

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.  
37291  EVENING  06:00PM 09:10PM  TH  IT  123  J Thomas  
Last day to add: 09/09/16  

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.  
37292  EVENING  06:00PM 09:10PM  TH  IT  123  J Thomas  
Last day to add: 09/09/16  

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.  
37293  EVENING  06:00PM 09:10PM  TH  IT  123  J Thomas  
Last day to add: 09/09/16  

CON-65  PLUMBING CODE  3.00 UNITS  
Review of plumbing codes and regulations relating to construction.  
PREREQUISITE: None.  
37294  EVENING  06:00PM 09:10PM  TH  IT  122  T Kearns  
Last day to add: 09/09/16  

CON-66  NATIONAL ELEC CODE  3.00 UNITS  
Review of electrical codes and code requirements.  
PREREQUISITE: None.  
37911  EVENING  12:45PM 02:55PM  MTWTHF  CACT 1  Staff  
11/07/16 12/09/16  Last day to add: 11/11/16  
The above section is a short term class. Please note the start and end dates.  
37295  EVENING  06:00PM 09:10PM  M  IT  123  J Thomas  
Last day to add: 09/09/16
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EAR-40  CHILDREN WITH SPECIAL NEEDS  3.00 UNITS
Introduces concepts basic to an understanding of infants and young children with special needs and their families. Observation required.
PREREQUISITE: None.

**EVENING**
37882  06:00PM 09:10PM  T  IT  209  Staff
Last day to add: 09/09/16

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**
37310  06:00PM 09:10PM  TH  IT  209  T Oliver
Last day to add: 09/09/16

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.

37313  08:00AM 09:25AM  TTH  IT  109  C Rajakone
Last day to add: 09/09/16

37312  10:30AM 11:55AM  MW  IT  109  C Rajakone
Last day to add: 09/09/16

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.

37314  09:40AM 11:05AM  TTH  IT  109  P Boelman
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37315  12:45PM 02:10PM  MW  IT  101  P Boelman
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

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.

37317  11:15AM 12:40PM  TTH  IT  109  P Boelman
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

**EVENING**
37318  06:00PM 09:10PM  W  IT  109  P Boelman
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

ECO-8H  HONORS MICROECONOMICS  3.00 UNITS
An Honors course that studies economic theory and analysis applied to consumer and producer behavior in markets.
PREREQUISITE: MAT-52.
ADVISORY: MAT-35 and qualification for ENG-1A.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

37885  02:30PM 03:55PM  MW  IT  109  P Boelman
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

ELECTRONICS

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

37919  08:00AM 10:05AM  MTWTHF  IT  124  S Chng
10:15AM 12:20PM  MTWTHF  IT  124
09/19/16 10/21/16
Last day to add: 09/22/16
The above section is a short term class. Please note the start and end dates.

**EVENING**
37319  06:30PM 09:40PM  T  IT  124  G Graham
06:30PM 09:40PM  TH  IT  124
Last day to add: 09/09/16

ELE-13  AC ELECTRONICS  4.00 UNITS
Alternating Current (AC) theory, devices, circuits, applications, calculations and measurements of various parameters.
PREREQUISITE: ELE-10 or 11 or 21 or 23.

**EVENING**
37319  06:30PM 09:40PM  T  IT  124  G Graham
06:30PM 09:40PM  TH  IT  124
Last day to add: 09/09/16

ELE-25  DIGITAL TECHNIQUES  4.00 UNITS
Mathematics, number systems and logic circuits as they relate to modern electronic computers and digital systems.
PREREQUISITE: None.
ADVISORY: Concurrent enrollment in or prior completion of ELE-10 or 23.

**EVENING**
37323  06:30PM 09:40PM  T  CACT 1  R Chomko
06:30PM 09:40PM  TH  CACT 1
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

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

37939  01:20PM 03:25PM  MTWTHF  IT  124  G Balteria
09/19/16 10/21/16
Last day to add: 09/22/16
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ELE-71  RESIDENTIAL ELECTRICAL WIRING  4.00 UNITS
The foundations of electrical wiring for residential dwellings.
PREREQUISITE: None.
37922  08:00AM 10:30AM MTWTHF CACT 1 Staff
10:40AM 12:15PM MTWTHF CACT 1
01:15PM 02:05PM MTWTHF CACT 1
08/29/16 09/23/16 Last day to add: 08/31/16

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

ELE-72  COMMERCIAL/INDUSTRIAL WIRING  4.00 UNITS
Wiring commercial and industrial buildings. (Same as MAN-72)
PREREQUISITE: None.
37923  08:00AM 09:30AM MTWTHF CACT 1 C Keissieh
09:40AM 11:10AM MTWTHF CACT 1
09/26/16 11/04/16 Last day to add: 09/30/16

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

ELE-73  ELECTRIC MOTORS & TRANSFORMERS  4.00 UNITS
Prepares students to work on a wide range of industrial motors and transformers. (Same as MAN-73)
PREREQUISITE: None.
37924  03:35PM 05:00PM TTH CACT 2 T Childers
05:10PM 06:40PM TTH CACT 2
03:35PM 05:40PM F CACT 2
09/26/16 11/04/16 Last day to add:09/09/16

ELE-74  INDUSTRIAL WIRING/CONTROLS  4.00 UNITS
Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing. (Same as MAN-74)
PREREQUISITE: None.
37925  09:30AM 11:45AM MTWTHF IT 124 T Childers
12:45PM 03:00PM MTWTHF IT 124
10/24/16 11/23/16 Last day to add:10/25/16

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

ELE-75  SSD AND LIGHTING CONTROLS  3.00 UNITS
Learn to integrate electronic devices into electrical systems.
PREREQUISITE: None.
37977  12:10PM 01:15PM MTWTHF CACT 1 Staff
01:25PM 03:00PM MTWTHF CACT 1
08/29/16 11/04/16 Last day to add: 09/30/16

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

ELE-77  ELECTRICAL THEORY  3.00 UNITS
Introduces students to fundamentals of electrical theory A/C and D/C. (Same as MAN-77)
PREREQUISITE: None.
37975  09:30AM 11:45AM MTWTHF CACT 1 S Chng
11/07/16 12/09/16 Last day to add: 11/11/16

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

ELE-400  ELECTRICIAN INTRO, PLUS  3.50 UNITS
Electrician training includes construction job-site OSHA safety, first aid and CPR with AED, safe work practices, hazard identification, personal protective equipment, substance abuse, and math review for electrical trade workers.
PREREQUISITE: None.
LIMITATION ON ENROLLMENT: Student must be a registered state indentured apprentice.
37326  03:00PM 04:10PM MW JACT 1 Staff
04:20PM 05:45PM MW JACT 1
09/26/16 11/04/16 Last day to add: 09/09/16

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. Please call 909-890-1703 for additional information.

37325  06:00PM 07:10PM MW JACT 1 Staff
07:20PM 08:45PM MW JACT 1
09/26/16 11/04/16 Last day to add: 09/09/16

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. Please call 909-890-1703 for additional information.

37327  06:00PM 07:10PM MW JACT 9 Staff
07:20PM 08:45PM MW JACT 9
09/26/16 11/04/16 Last day to add: 09/09/16

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. Please call 909-890-1703 for additional information.
ELE-402  ADV. DC, BASIC AC, TE & NEC  3.50 UNITS  
Circuit analysis techniques, series, parallel, and combination DC circuits, test equipment, National Electric Code (NEC), and basic 3-Phase AC circuits.  
PREREQUISITE: None.  
LIMITATION ON ENROLLMENT: Student must be a registered state indentured apprentice.  

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<th>Course Code</th>
<th>Days</th>
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<td>JACT 3</td>
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The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. Please call 909-890-1703 for additional information.

EVENING  
37943  
06:00PM - 07:10PM  
MW  
JACT 3  
Staff  

07:20PM - 08:45PM  
MW  
JACT 3  
Staff  
Last day to add: 09/09/16  

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. Please call 909-890-1703 for additional information.

ELE-404  DIGITAL, CONDUCTORS & NEC  3.50 UNITS  
Digital logic concepts and real-world application. Electrician identification, selection, and installation of electrical conductors in accordance with National Electrical Code (NEC).  
PREREQUISITE: None.  
LIMITATION ON ENROLLMENT: Student must be a registered state indentured apprentice.  

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ELE-406  GROUNDING, ADV PRINTS & MOTOR  3.50 UNITS  
Advanced blueprint reading and specifications; Study of motor design, applications, with National Electric Code concepts.  
PREREQUISITE: None.  
LIMITATION ON ENROLLMENT: Student must be a registered state indentured apprentice.  

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The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. Please call 909-890-1703 for additional information.

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ELE-408  TRANSFORMERS, TE, GRID MGMT.  3.50 UNITS  
Electrician theory and the fielding of transformers, test equipment; includes management and leadership principles for supervisors, along with special equipment for grid security systems.  
PREREQUISITE: None.  
LIMITATION ON ENROLLMENT: Student must be a registered state indentured apprentice.  

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ELE-424  DIGITAL ELEC/SIGNING DEVICES  3.50 UNITS
Study of digital electronics technology and electronic equipment, including digital systems, binary and decimal numbering systems, logic circuits, Boolean Algebra and convertors.
PREREQUISITE: None.
LIMITATION ON ENROLLMENT: Student must be a registered state indentured apprentice.

EVENING
37954  06:00PM 07:10PM  TTH  JACT 8  Staff
07:20PM 08:45PM  TTH  JACT 8  Last day to add: 09/09/16

The above course is part of a 3-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. Please call 909-890-1703 for additional information.

ENGINEERING

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

EVENING
37336  02:00PM 03:25PM  T  ATEC 109  Staff
03:35PM 05:40PM  T  ATEC 109
02:00PM 05:10PM  TH  ATEC 109  Last day to add: 09/09/16

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. Please call 909-890-1703 for additional information.

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

EVENING
37337  06:00PM 07:25PM  M  ATEC 109  G Balteria
07:35PM 09:40PM  M  ATEC 109
06:00PM 09:10PM  W  ATEC 109  Last day to add: 09/09/16

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

EVENING
37938  01:20PM 03:25PM  MTWTHF  IT 124  G Balteria
09/19/16 10/21/16  Last day to add: 09/22/16

The above section is a short term class. 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.norccollegebookstore.com
ENDE-30 COMPUTER AIDED DRAFTING 3.00 UNITS
Two-dimensional computer-aided drafting, using AUTOCAD.
PREREQUISITE: None.
ADVISORY: CIS-1A.

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<td>09:35AM 11:40AM M</td>
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<td>03:45PM 05:50PM T</td>
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<td>07:35PM 09:40PM M</td>
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ENDE-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.

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ENDE-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.

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

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

ENGLISH COMPOSITION COURSES

ENGLISH 1B/1BH
- A grade of C or better in ENG-1A/1AH

ENGLISH 1A/1AH
- Qualifying preparation score based on the ACCUPLACER® test and academic background; or
- A grade of C or better in ENG-50 or ENG-80
- Approved alternative placement method (see Counseling for available options)

ENGLISH 50
- Qualifying preparation score based on the ACCUPLACER® test and academic background; or
- Successful completion of ENG-60B or ESL-55

ENGLISH 80
- There is no prerequisite; the course is open to all students.

ENGLISH 60B
- Qualifying preparation score based on the ACCUPLACER® test and academic background; or
- Successful completion of ENG-60A

ENGLISH 60A
- There is no prerequisite; the course is open to all students.

It is strongly recommended that students register in an appropriate composition course (ENG-60A, 60B, 80, 50, or ENG-1A) during their first semester of enrollment. See "Moving through English" for more details.

ENGLISH 60A
- There is no prerequisite; the course is open to all students.

ENGLISH COMPOSITION COURSES

ENGLISH 60A

ENGLISH COMPOSITION COURSES

ENGLISH 1B/1BH
- A grade of C or better in ENG-1A/1AH

ENGLISH 1A/1AH
- Qualifying preparation score based on the ACCUPLACER® test and academic background; or
- A grade of C or better in ENG-50 or ENG-80
- Approved alternative placement method (see Counseling for available options)

ENGLISH 50
- Qualifying preparation score based on the ACCUPLACER® test and academic background; or
- Successful completion of ENG-60B or ESL-55

ENGLISH 80
- There is no prerequisite; the course is open to all students.

ENGLISH 60B
- Qualifying preparation score based on the ACCUPLACER® test and academic background; or
- Successful completion of ENG-60A

ENGLISH 60A
- There is no prerequisite; the course is open to all students.

It is strongly recommended that students register in an appropriate composition course (ENG-60A, 60B, 80, 50, or ENG-1A) during their first semester of enrollment. See "Moving through English" for more details.

The above section has a 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

ENGLISH 1A

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

ENGLISH 60A

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

ENGLISH 60B

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ENGLISH 60A

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ENGLISH 60B

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ENGLISH 60A

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ENGLISH 60B

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ENGLISH 60A

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

ENGLISH 60B

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

ENGLISH 60A

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

ENGLISH 60B

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

ENGLISH 60A

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37354 03:00PM 05:05PM MW IT 111 Staff Last day to add: 09/09/16
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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37910 03:00PM 05:05PM MW IT 110 L Ludvigsen Last day to add: 09/09/16
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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37366 04:15PM 06:20PM TTH JFK 120 E Harmer Last day to add: 09/09/16
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37368 04:15PM 06:20PM TTH IT 111 D Mattson Last day to add: 09/09/16
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37348 ONLINE ONLINE E Rossi Last day to add: 09/09/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.

37907 ONLINE ONLINE E Rossi Last day to add: 09/09/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
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 80 or qualifying placement level.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

Last day to add: 09/09/16

37371  10:30AM 12:35PM  TTH  IT  108  D Mills
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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37372  08:15AM 10:20AM  MW  ATEC 109  D Reade
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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37373  12:45PM 02:50PM  MW  IT  108  D Reade
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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37374  02:00PM 04:05PM  TTH  IT  111  D Mattson
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37375  03:00PM 05:05PM  MW  IT  108  D Samson
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times. This section is taught with a thematic approach to the course; Horror Fiction. For additional information, please email danae.samson@rccd.edu.

37376  04:15PM 06:20PM  MW  JFK  102  J Lovell
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times. This section is taught with a thematic approach to the course; Gothic Fiction. For additional information, please email josephine lovell@rccd.edu.

37377  05:30PM 07:35PM  MW  JFK  117  E Wagner
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

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.

37378  02:00PM 04:05PM  TTH  IT  110  D Mills
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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37379  04:15PM 06:20PM  TTH  JFK  117  E Wagner
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37380  05:30PM 07:35PM  MW  IT  108  D Samson
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37381  06:30PM 08:35PM  MW  JFK  110  J Gianunzio
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
\textbf{ENG-35}  \textbf{IMAGES OF WOMEN IN LITERATURE}  3.00 \textbf{UNITS}
A study of the images of women in literature.
\textbf{PREREQUISITE:} None.
\textbf{ADVISORY:} ENG-1B or 1BH.

37917  12:45PM 02:10PM MW ST 108 N Capps
Last day to add: 09/09/16

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

37391  07:20AM 08:35AM MWF IT 210 C Liang
Last day to add: 09/09/16

The above section has a 18-hour laboratory requirement to be arranged.
In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37398  08:15AM 10:20AM T IT 111 C Miter
Last day to add: 09/09/16

The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.

37392  10:30AM 12:35PM TTH IT 110
Last day to add: 09/09/16

The above section has reading and writing assignments focusing on the Chicano experience and is intended for students in the Puente Program. Concurrent enrollment in GUI-48-37894 is required. See the instructor and a counselor prior to enrolling. This section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37393  10:30AM 12:35PM TTH IT 208 A Elizalde
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37399  10:30AM 12:35PM T IT 111 C Miter
Last day to add: 09/09/16

The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.

37387  10:30AM 12:35PM W IT 127 C Miter
Last day to add: 09/09/16

The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.
The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.

37400 10:30AM 12:35PM TH IT 111 C Miter
Last day to add: 09/09/16

The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.

37390 12:45PM 02:50PM MW IT 123 T Cortina
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37401 12:45PM 02:00PM MWF IT 210 M Pelle
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37389 02:00PM 04:05PM TTH LIBR 110 J Dobson
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37394 02:00PM 04:05PM TTH STEM 302 J Reed
Last day to add: 09/09/16

The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.

37402 03:00PM 05:05PM MW IT 123 J Dobson
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37397 04:15PM 06:20PM MW IT 206 D Schwankle
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37395 04:15PM 06:20PM TTH STEM 302 J Reed
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37914 04:15PM 06:20PM TTH JFK 102 J Gianunzio
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37396 06:30PM 08:35PM MW IT 206 D Schwankle
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37404 07:20AM 10:25AM MWF IT 110 K Anderson
12:00PM 12:50PM MW IT 121
08/29/16 10/19/16
Last day to add: 09/14/16

The above section a short term class and is part of an Acceleration community. Please note the start and end dates. Students are required to register for ENG-60A-37404 and ENG-60B-37421 during this semester. Counseling, tutoring and/or supplemental instruction will also be available. Please contact the counseling office for additional information. Designated laboratory hours are included in the meeting times for this class.

37412 08:15AM 10:20AM MTWTH IT 206 L Nelson
11:00AM 11:50AM MW IT 121
08/29/16 10/20/16
Last day to add: 09/14/16

The above section a short term class designed with special emphasis on African American culture and is part of an Acceleration community. Please note the start and end dates. Students are required to register for ENG-60A-37412, ENG-60B-37419 and GUI-45-38685 during this semester. Counseling, tutoring and/or supplemental instruction will also be available. Please see the instructor and T3P counselor prior to enrolling. Designated laboratory hours are included in the meeting times for this class.

37413 09:00AM 09:50AM MW IT 121 D Mills
10:30AM 10:35PM MW IT 206
08/29/16 10/19/16
Last day to add: 09/14/16

The above section a short term class and is part of an Acceleration community. Please note the start and end dates. Students are required to register for ENG-60A-37413 and ENG-60B-37418 during this semester. Counseling, tutoring and/or supplemental instruction will also be available. Please contact the counseling office for additional information. Designated laboratory hours are included in the meeting times for this class.

37406 12:45PM 02:00PM MWF STEM 302 R Marsh
Last day to add: 09/09/16

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. Internet access is required. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

37408 02:00PM 04:05PM TTH IT 123 D Chaffin
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

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.

37408 02:00PM 04:05PM TTH IT 123 D Chaffin
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

Note: 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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

Please contact the counseling office for additional information. Designated laboratory hours are included in the meeting times for this class.
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The above section has a 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times. This section is taught with a thematic approach to the course: Motivation and Human Psychology. For additional information, please email tami.comstock@norcocollege.edu.

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ESL-95  PRONUNCIATION, ACCENT REDUCT  3.00 UNITS
Provides instruction and intensive practice in pronunciation and accent reduction. (Non-degree credit course. Pass-No Pass only.)
PREREQUISITE: None.
ADVISORY: Qualification for ESL-52 or higher.

37878  04:15PM 06:20PM  T  IT  208  L Tougas
04:15PM 05:05PM  TH  IT  208
05:15PM 06:05PM  TH  IT  208

Designated laboratory hours are included in the meeting times for this class.

FRENCH

FRE-1  FRENCH 1  5.00 UNITS
Develops basic skills in understanding, reading, communicating and writing in French.
PREREQUISITE: None.

37435  11:45AM 01:50PM  M  LIBR 121  D Hitchcock
02:00PM 02:50PM  M  LIBR 121
11:45AM 02:55PM  W  LIBR 109

The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

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.

37437  08:00AM 09:25AM  TTH  IT  202  J Coverdale
Last day to add: 09/09/16

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

37438  02:00PM 03:25PM  TTH  IT  202  J Coverdale
Last day to add: 09/09/16

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.

37441  08:45AM 10:10AM  MW  IT  202  J Coverdale
10:20AM 11:45AM  MW  IT  202

Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

37440  09:40AM 11:05AM  TTH  IT  202  J Coverdale
11:15AM 12:40PM  TTH  IT  202

Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

GAM-24  VIDEO GAME PROTOTYPING  4.00 UNITS
An introduction to the fundamentals of computer game prototyping with an emphasis on scripting. Topics include layout, possibility space, content integration, scripting, team collaboration, and workflow. Students will create 3D computer game levels using one or more modern game engines.

(Same as CIS-24)

PREREQUISITE: CIS/CSC-5 or CIS/GAM-50.

37442  08:00AM 12:05PM  F  IT  127  J Finley
12:15PM 04:20PM  F  IT  127  T Pryan
09/02/16 12/09/16

Last day to add: 09/13/16

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates. Designated laboratory hours are included in the meeting times for this class.

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.

37936  08:00AM 09:25AM  TTH  IT  106  G Marquez
09:40AM 10:30AM  T  LIBR LRC

Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required.
Designated laboratory hours are included in the meeting times for this class.

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!

www.norccollegebookstore.com
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.
37447 08:00AM 11:10AM  T  IT 125  J Finley
Last day to add: 09/09/16
The above section is a web-enhanced class. 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.
PREREQUISITE: GAM-81.
37449 03:30PM 04:55PM  TTH  IT 202  M Williams
05:00PM 05:50PM  T  IT 202
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

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.
ONLINE
37451 37452
ON LINE  ON LINE  J Finley  J Finley
Last day to add: 09/09/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.

GAM-52 GAME ENGINE SCRIPTING I 3.00 UNITS
Introduction to core programming concepts related to game engine scripting. Scripted languages are used in the context of industry standard game development tools to implement game functionality.
PREREQUISITE: CIS/CSC-17B, or 18B or CIS/CSC-50.
ADVISORY: GAM-24 or CIS/GAM-37.
37453 10:30AM 11:55AM  MW  ATEC 118  J Ruiz
12:05PM 12:55PM  W  ATEC 118
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-70 GAME DEVELOPMENT BASICS 2.00 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.
37454 03:30PM 04:29PM  M  IT 202  C Koestler
04:30PM 05:20PM  M  IT 202
03:30PM 05:35PM  W  IT 202
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

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: GAM-80.
37455 10:00AM 10:50AM  TTH  ATEC 109  A Andreini
11:00AM 12:25PM  TTH  ATEC 109
Last day to add: 09/09/16
Designated laboratory hours are included in the meeting times for this class.

GAM-80 DIGITAL DRAWING FOR GAME ART 4.00 UNITS
Introduction to digital drawing techniques for games using industry standard hardware and software.
PREREQUISITE: None.
ONLINE
37937 37955
EVENING  EVENING  G Marquez  M Williams
06:00PM 07:25PM  MW  IT 202  G Marquez
07:35PM 09:00PM  MW  IT 202
11:00AM 12:25PM  TTH  ATEC 109
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

GAM-81 3D MODELING AND TEXTURING 4.00 UNITS
Introduction to the concepts of 3D modeling in a virtual environment and creating and applying textures to those models. Students will create original three-dimensional computer generated models of organic or mechanical design, complete with suitable textures.
PREREQUISITE: GAM-80.
ONLINE
37955
EVENING  M Williams
06:00PM 07:25PM  TTH  IT 202
07:35PM 09:00PM  TTH  IT 202
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

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www.norccollegebookstore.com
### 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>CRN</th>
<th>Time</th>
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<tbody>
<tr>
<td>37458</td>
<td>08:00AM 09:25AM</td>
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<tr>
<td>37457</td>
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<td>ATEC 114</td>
<td>Staff</td>
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<tr>
<td>37459</td>
<td>10:30AM 11:55AM</td>
<td>MW</td>
<td>ATEC 114</td>
<td>Staff</td>
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<tr>
<td>37461</td>
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<tr>
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<td>06:30PM 09:40PM</td>
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<td>ATEC 205</td>
<td>Staff</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>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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<td>08:45AM 10:10AM</td>
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<td>37464</td>
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<td>ATEC 205</td>
<td>Staff</td>
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</tbody>
</table>

#### GEG-3  WORLD REGIONAL GEOG  3.00 UNITS

A study of major world regions, emphasizing current characteristics and issues including cultural, economic, political, and environmental conditions.  
**PREREQUISITE:** None.

<table>
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<tr>
<th>CRN</th>
<th>Time</th>
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<th>Location</th>
<th>Instructor</th>
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<td>MW</td>
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<td>R Christov</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>CRN</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>37468</td>
<td>11:15AM 12:25PM</td>
<td>F</td>
<td>IT 125</td>
<td>J Flores</td>
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</table>

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

#### GUI-46  INTRO TRANSFER PROCESS  1.00 UNITS

Survey of transfer requirements with hands-on activities through the application process for students transferring to four-year institutions.  
**PREREQUISITE:** None.

<table>
<thead>
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<th>CRN</th>
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<td>37471</td>
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</table>

The above section is a short term web-enhanced class. Internet access is required. 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>CRN</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>37475</td>
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<td>MW</td>
<td>IT 109</td>
<td>R Smith</td>
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<tr>
<td>37475</td>
<td>Last day to add: 09/09/16</td>
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</table>

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

### Note

- Short term classes are indicated with a note about start and end dates.
- Web-enhanced classes require internet access.

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[www.norcollegebookstore.com](http://www.norcollegebookstore.com)
<table>
<thead>
<tr>
<th>Code</th>
<th>Course</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GUI-48</td>
<td>COLLEGE SUCCESS STRAT</td>
<td>2.00</td>
<td>Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college. PREREQUISITE: None.</td>
</tr>
<tr>
<td>HIS-1</td>
<td>WORLD CIVILIZATIONS 1</td>
<td>3.00</td>
<td>Historical development of world societies from the time of human origins to the 16th century. PREREQUISITE: None. ADVISORY: REA-83 and qualification for ENG-1A.</td>
</tr>
<tr>
<td>HIS-6</td>
<td>POL SOC HIST OF US</td>
<td>3.00</td>
<td>A history of the United States from Colonial time to 1877. PREREQUISITE: None. ADVISORY: REA-83 and qualification for ENG-1A.</td>
</tr>
<tr>
<td>HES-1</td>
<td>HEALTH SCIENCE</td>
<td>3.00</td>
<td>A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification. PREREQUISITE: None.</td>
</tr>
</tbody>
</table>

**GUI-48 COLLEGE SUCCESS STRAT**

Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.

**PREREQUISITE:** None.

**37894**

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Day</th>
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<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>37894</td>
<td>08:15AM - 10:20AM</td>
<td>T</td>
<td>IT 123</td>
<td>M Jurado</td>
</tr>
</tbody>
</table>

The above section is intended for students in the Puente Program with special emphasis on Latino culture and requires concurrent enrollment in ENG-50-37392. See the Puente counselor prior to enrolling.

**37895**

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
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<th>Instructor</th>
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<tr>
<td>37895</td>
<td>08:15AM - 10:20AM</td>
<td>TH</td>
<td>IT 123</td>
<td>Y Haro</td>
</tr>
</tbody>
</table>

The above section is designed with special emphasis on African American culture and requires concurrent enrollment in ENG-60A-37412 and ENG-60B-37419. See the T3P counselor prior to enrolling.

**37896**

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>37896</td>
<td>11:15AM - 12:10PM</td>
<td>TTH</td>
<td>LIBR 121</td>
<td>R Smith</td>
</tr>
</tbody>
</table>

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

**HEALTH SCIENCE**

**HES-1 HEALTH SCIENCE**

A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification. PREREQUISITE: None.

**37885**

<table>
<thead>
<tr>
<th>Code</th>
<th>Time</th>
<th>Day</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>37885</td>
<td>08:00AM - 09:25AM</td>
<td>TTH</td>
<td>THTR 101</td>
<td>M Donovan</td>
</tr>
</tbody>
</table>

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

**37886**

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<tr>
<th>Code</th>
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<th>Instructor</th>
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<tbody>
<tr>
<td>37886</td>
<td>09:40AM - 11:05AM</td>
<td>TTH</td>
<td>THTR 101</td>
<td>M Donovan</td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class. Internet access is required.
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**EVENING**
37495 11:15AM 03:20PM  F  HUM 103  H Vion
09/02/16 12/09/16  Last day to add: 09/13/16

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**EVENING**
37498 06:00PM 09:10PM  M  HUM 103  M Hickerson
Last day to add: 09/09/16

**EVENING**
37499 06:00PM 09:10PM  T  WEG W4  H Vion
Last day to add: 09/09/16

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

**EVENING**
37887 06:00PM 09:10PM  TH  HUM 103  H Vion
Last day to add: 09/09/16

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

**EVENING**
37500 08:00AM 11:35AM  S  HUM 103  M Hickerson
09/03/16 12/10/16  Last day to add: 09/14/16

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

**WEEKEND**
37501 06:00PM 09:10PM  M  IT 109  C Day
Last day to add: 09/09/16

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

**WEEKEND**
37502 09:40AM 11:05AM  TTH  HUM 103  T Russell
Last day to add: 09/09/16

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

**WEEKEND**
37503 10:30AM 11:55AM  MW  HUM 103  S Kyriakos
Last day to add: 09/09/16

**WEEKEND**
37504 12:45PM 02:10PM  MW  HUM 103  S Kyriakos
Last day to add: 09/09/16

**WEEKEND**
37505 02:00PM 03:25PM  TTH  HUM 103  S Kyriakos
Last day to add: 09/09/16

**WEEKEND**
37506 04:15PM 05:40PM  MW  HUM 103  S Kyriakos
Last day to add: 09/09/16

**WEEKEND**
37507 04:15PM 05:40PM  TTH  HUM 103  T Russell
Last day to add: 09/09/16

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

**EVENING**
37511 06:00PM 09:10PM  M  IT 109  C Day
Last day to add: 09/09/16

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

**EVENING**
37508 06:00PM 09:10PM  W  HUM 103  D Reina
Last day to add: 09/09/16

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

**EVENING**
37978 06:00PM 09:10PM  TH  STEM 115  A Rietkerk
Last day to add: 09/09/16

**ONLINE**
37507 ON LINE  D Reina
Last day to add: 09/09/16

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

**HONORS**

This is a specialized program.
For more information regarding entry into the program, go to

**HIS-7**  **POL SOC HISTORY OF US**  **3.00 UNITS**
A history of the United States from 1877 to the present.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.

37502 09:40AM 11:05AM  TTH  HUM 103  T Russell
Last day to add: 09/09/16

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

37503 10:30AM 11:55AM  MW  HUM 103  S Kyriakos
Last day to add: 09/09/16

37504 12:45PM 02:10PM  MW  HUM 103  S Kyriakos
Last day to add: 09/09/16

37505 02:00PM 03:25PM  TTH  HUM 103  S Kyriakos
Last day to add: 09/09/16

37506 04:15PM 05:40PM  MW  HUM 103  S Kyriakos
Last day to add: 09/09/16

37507 04:15PM 05:40PM  TTH  HUM 103  T Russell
Last day to add: 09/09/16

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

**EVENING**
37501 06:00PM 09:10PM  M  IT 109  C Day
Last day to add: 09/09/16

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

**EVENING**
37508 06:00PM 09:10PM  W  HUM 103  D Reina
Last day to add: 09/09/16

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

**EVENING**
37978 06:00PM 09:10PM  TH  STEM 115  A Rietkerk
Last day to add: 09/09/16

**ONLINE**
37507 ON LINE  D Reina
Last day to add: 09/09/16

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

**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.
ADVISORY: REA-83 and qualification for ENG-1A.

**EVENING**
37504 02:30PM 05:40PM  T  IT 109  P Boelman
Last day to add: 09/09/16

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

**ANT-1H**  **HONORS PHYSICAL ANTHROPOLOGY**  **3.00 UNITS**
An honors class that examines human biological evolution and physical diversity, incorporating genetics, primates, fossils, and relationship to the animal world.
PREREQUISITE: None.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

37501 06:00PM 09:10PM  M  IT 109  C Day
Last day to add: 09/09/16

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

**COM-9H**  **HONORS INTERPERS COMMUNICATION**  **3.00 UNITS**
Offers students in the Honors Program the opportunity to analyze the dynamics, components and ethics of the two-person communication process in relationships in the context of the world-at-large.
PREREQUISITE: None.
ADVISORY: COM-51 and/or qualification for ENG-1A.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

37502 09:40AM 11:05AM  TTH  HUM 103  T Russell
Last day to add: 09/09/16

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

**ECO-8H**  **HONORS MICROECONOMICS**  **3.00 UNITS**
An Honors course that studies economic theory and analysis applied to consumer and producer behavior in markets.
PREREQUISITE: MAT-52.
ADVISORY: MAT-35 and qualification for ENG-1A.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

37502 09:40AM 11:05AM  TTH  HUM 103  T Russell
Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required.
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 80 or qualifying placement level.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

37371  10:30AM 12:35PM  TTH  IT  108  D Mills
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

ENG-1BH  HON CRITICAL THINK/WRIT  4.00 UNITS
An Honors course that emphasizes argument, analysis, and the student of literature, 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.

37384  10:30AM 12:35PM  TTH  STEM 125  M Bader
Last day to add: 09/09/16

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 Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

HUM-4H  HON ARTS, IDEAS: ANCIENT-MED  3.00 UNITS
Offers students in the Honors Program an enriched interdisciplinary study of the origins of movements in art, literature, music, philosophy and religion in Western civilization from ancient times to the medieval period.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

37848  10:30AM 11:55AM  MW  STEM 125  E Heimlich
Last day to add: 09/09/16

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

HUM-10  WORLD RELIGIONS  3.00 UNITS
Concepts of major religions including Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam.
PREREQUISITE: None.
ADVISORY: REA-83 and qualification for ENG-1A.

37512  08:00AM 09:25AM  TTH  ATEC 114  N Westbrook
Last day to add: 09/09/16

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

37515  10:30AM 02:35PM  F  IT 211  L Montes
Last day to add: 09/13/16

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

37969  12:45PM 02:10PM  MW  WEQ  W7  J Gill
Last day to add: 09/09/16

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

37510  04:15PM 05:40PM  MW  IT 109  L Montes
Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required.
### HUM-11 RELIGION IN AMERICA 3.00 UNITS
Religious thought and practice in American culture.
**PREREQUISITE:** None.
**ADVISORY:** HUM-10, REA-83 and qualification for ENG-1A.

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37516</td>
<td>TTH</td>
<td>10:30AM-11:35AM</td>
<td>ATEC 205</td>
<td>J Gill</td>
</tr>
</tbody>
</table>

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

### 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 and REA-83 and qualification for ENG-1A.

<table>
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<tr>
<th>Course</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>37518</td>
<td>F</td>
<td>10:30AM-11:35AM</td>
<td>LIBR 120</td>
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<td>W</td>
<td>05:15PM-06:05PM</td>
<td>LIBR 121</td>
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<td>W</td>
<td>05:00PM-06:05PM</td>
<td>LIBR 121</td>
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</tr>
</tbody>
</table>

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

### INTERDISCIPLINARY STUDIES

#### 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 student populations.
**PREREQUISITE:** None.
**ADVISORY:** Qualification for ENG-1A.

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>37521</td>
<td>F</td>
<td>09:30AM-11:35AM</td>
<td>LIBR 110</td>
<td>R Prior</td>
</tr>
</tbody>
</table>

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

### WARNING!
Registration will be blocked if you have not met the prerequisite!

### JAPANESE

#### JPN-1 JAPANESE 1 5.00 UNITS
Develops basic skills in understanding, reading, communicating, and writing in Japanese.
**PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>37524</td>
<td>T</td>
<td>10:15AM-11:05AM</td>
<td>LIBR 121</td>
<td>C Dealba-Yount</td>
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<td></td>
<td>TH</td>
<td>08:30AM-11:10AM</td>
<td>LIBR 109</td>
<td></td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

#### JPN-2 JAPANESE 2 5.00 UNITS
Continues development of skills in understanding, reading, communicating, and writing in Japanese.
**PREREQUISITE:** JPN-1.
**ADVISORY:** Qualification for ENG-1A.

<table>
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<tr>
<th>Course</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>37523</td>
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<td>03:00PM-06:10PM</td>
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<td>W</td>
<td>05:00PM-06:05PM</td>
<td>LIBR 121</td>
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</tr>
</tbody>
</table>

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

### KINESIOLOGY

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37533</td>
<td>TTH</td>
<td>08:00AM-09:25AM</td>
<td>WEQ W7</td>
<td>T Wallstrom</td>
</tr>
<tr>
<td>37534</td>
<td>TTH</td>
<td>09:40AM-11:05AM</td>
<td>WEQ W7</td>
<td>T Wallstrom</td>
</tr>
</tbody>
</table>

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

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

<table>
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<tr>
<th>Course</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37829</td>
<td>F</td>
<td>10:30AM-12:35PM</td>
<td>WEQ W3</td>
<td>I Wicken</td>
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</tbody>
</table>

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

### ONLINE

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>37514</td>
<td>ON</td>
<td>02:00PM-03:25PM</td>
<td>LIBR 109</td>
<td>D Palmer</td>
</tr>
</tbody>
</table>

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

### ENROLLMENT GUIDELINES JAPANESE

1. If you have taken Japanese in high school or in another college or university, you must have official transcripts on file and request evaluation of the course(s) in order to enroll above level 1.
2. If you have acquired knowledge of Japanese outside of a formal educational institution, you must file a matriculation appeals petition in order to enroll above level 1.

### KIN-6 KINERCIOLOGY 3.00 UNITS
The study of human movement, sub-disciplines in Kinesiology and career opportunities.
**PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37535</td>
<td>TTH</td>
<td>11:15AM-12:40PM</td>
<td>WEQ W7</td>
<td>V Genian</td>
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</tbody>
</table>

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

#### WARNING!
Registration will be blocked if you have not met the prerequisite!
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.

37526  04:15PM 06:45PM  TH  WEQ W3  J Winn
07:00PM 08:25PM  TH  WEQ W3
Last day to add: 09/09/16

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 $20.00 will be charged to the student and are not covered by BOGW. Drop deadlines for non-payment apply.
PREREQUISITE: None.

37527  11:00AM 12:25PM  MW  WEQ W3  Staff
Last day to add: 09/09/16

KIN-35  FITNESS AND WELLNESS  3.00 UNITS
Prepares students to take control of their personal health, physical fitness and overall wellness.
PREREQUISITE: None.

37830  08:30AM 09:20AM  M  WEQ W4  T Wallstrom
09:45AM 11:10AM  MW  WEQ W8
08:30AM 09:35AM  W  WEQ W4
08/29/16 11/09/16
The above section is a short term class. Please note the start and end dates.

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

37529  09:40AM 11:05AM  TTH  WEQ W3  B Wimer
Last day to add: 09/09/16

37530  11:15AM 12:40PM  TTH  WEQ W3  B Wimer
Last day to add: 09/09/16

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.

37531  08:45AM 10:35AM  MW  WEQ W3  B Wimer
10:45AM 11:50AM  MW  WEQ W2
08/29/16 11/09/16
The above section is a short term class. Please note the start and end dates.

37532  12:45PM 02:35PM  MW  WEQ W3  B Wimer
02:45PM 03:50PM  MW  WEQ W2
08/29/16 11/09/16
The above section is a short term class. Please note the start and end dates.

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

37536  04:15PM 05:40PM  MW  WEQ W2  D Namekata
Last day to add: 09/09/16

KIN-A41  KARATE, INTERMEDIATE  1.00 UNITS
Reviews basic skills and develops intermediate level skills in karate and self-defense.
PREREQUISITE: None.
ADVISORY: Course is designed for students with proficient skills in blocking, shifting, punching, striking and kicking and the knowledge of basic katas or for those who have completed KIN-A40.

37956  04:15PM 05:40PM  MW  WEQ W2  D Namekata
Last day to add: 09/09/16

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

37539  08:00AM 09:25AM  TTH  WEQ W2  F Stewart
Last day to add: 09/09/16

37537  08:45AM 10:10AM  MW  WEQ W2  L Zank
Last day to add: 09/09/16

37538  09:40AM 11:05AM  TTH  WEQ W2  F Stewart
Last day to add: 09/09/16

KIN-A75A  WALKING FOR FITNESS: BEGINNING  1.00 UNITS
Provides instruction in walking techniques and fitness, nutrition, and weight control as it relates to a walking program.
PREREQUISITE: None.

37540  08:00AM 09:25AM  TTH  WEQ W3  B Wimer
Last day to add: 09/09/16

KIN-A81A  PHYSICAL FITNESS, BEGINNING  1.00 UNITS
Provides beginning concepts for total fitness and develops personalized exercise programs for cardiovascular endurance, strength and flexibility.
PREREQUISITE: None.

37973  08:45AM 10:10AM  TTH  WEQ W8  D Bednarczyk
Last day to add: 09/09/16

37971  02:30PM 03:55PM  TTH  WEQ W8  M Kassouf
Last day to add: 09/09/16

KIN-A81A  PHYSICAL FITNESS, BEGINNING  1.00 UNITS
Provides beginning concepts for total fitness and develops personalized exercise programs for cardiovascular endurance, strength and flexibility.
PREREQUISITE: None.

37972  06:00PM 07:25PM  TTH  WEQ W8  M Kassouf
Last day to add: 09/09/16
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Prerequisite</th>
<th>Schedule</th>
<th>Instructor</th>
<th>Last Day to Add</th>
<th>Add Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIN-A83</td>
<td>KICKBOXING AEROBICS</td>
<td>1.00</td>
<td>Develops muscular strength, flexibility and endurance with kickboxing aerobic activity and body conditioning exercises.</td>
<td>None.</td>
<td>04:15PM 05:40PM TTH WEQ W2 M Kassouf Last day to add: 09/09/16</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>KIN-V10</td>
<td>SOCCER, VARSITY, MEN</td>
<td>3.00</td>
<td>Develops advanced skills and strategies to prepare students for intercollegiate soccer competition.</td>
<td>None.</td>
<td>TBA SOC R 2 F Melgarejo Last day to add: 09/09/16</td>
<td>S Melgarejo</td>
<td></td>
<td>The above section has a 175-hour laboratory requirement to be arranged and first meets on 8/29/16 at 3:00PM. All meeting times and game dates will be listed on the class syllabus. Contact the instructor for additional information.</td>
</tr>
<tr>
<td>KIN-V25</td>
<td>SOCCER, VARSITY, WOMEN</td>
<td>3.00</td>
<td>Develops advanced skills and strategies to prepare students for intercollegiate soccer competition.</td>
<td>None.</td>
<td>TBA SOC R 2 L Jalayer Last day to add: 09/09/16</td>
<td>L Jalayer</td>
<td></td>
<td>The above section has a 175-hour laboratory requirement to be arranged and first meets on 8/29/16 at 2:00PM. All meeting times and game dates will be listed on the class syllabus. Contact the instructor for additional information.</td>
</tr>
<tr>
<td>LIB-1</td>
<td>INTRO INFORMATION LITERACY</td>
<td>1.00</td>
<td>Presents the fundamentals of the effective use of libraries to find, evaluate, interpret, and organize information from a variety of formats.</td>
<td>None.</td>
<td>05:10PM 06:15PM M ATEC 118 S Seifried Last day to add: 09/09/16</td>
<td></td>
<td></td>
<td>The above section is a hybrid class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>.</td>
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<td>06:30PM 09:40PM W JFK 120 E Davalos Last day to add: 09/09/16</td>
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<td>The above section is a web-enhanced class. Internet access is required.</td>
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<td></td>
<td>08:29/16 10/21/16 ON LINE E Davalos Last day to add: 09/06/16</td>
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<td></td>
<td>The above section is a short term online class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>. Please note the start and end dates.</td>
</tr>
</tbody>
</table>

**LIBRARY**

**KINESIOLOGY - VARSITY SPORTS**

**LIBRARY**

**MANAGEMENT**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Prerequisite</th>
<th>Schedule</th>
<th>Instructor</th>
<th>Last Day to Add</th>
<th>Add Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAG-44</td>
<td>PRINCIPLES OF MANAGEMENT</td>
<td>3.00</td>
<td>An overview of the concepts, processes and techniques of organizational management.</td>
<td>None.</td>
<td>ONLINE ON LINE A Riker 10/24/16 12/15/16 Last day to add: 11/01/16</td>
<td></td>
<td></td>
<td>The above section is a short term online class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>. Please note the start and end dates.</td>
</tr>
<tr>
<td>MAG-47</td>
<td>APPLIED BUS, MGMT ETHICS</td>
<td>3.00</td>
<td>An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as BUS-47)</td>
<td>None.</td>
<td>ONLINE ON LINE A Riker 10/24/16 12/15/16 Last day to add: 11/01/16</td>
<td></td>
<td></td>
<td>The above section is a web-enhanced class. Internet access is required.</td>
</tr>
<tr>
<td>MAG-51</td>
<td>ELEMENTS OF SUPERVISION</td>
<td>3.00</td>
<td>Covers responsibilities of a supervisor in industry, including organization, employee relations and evaluations.</td>
<td>None.</td>
<td>EVENING 06:30PM 09:40PM TH JFK 111 A Riker Last day to add: 09/09/16</td>
<td></td>
<td></td>
<td>The above section is a web-enhanced class. Internet access is required.</td>
</tr>
<tr>
<td>MAG-53</td>
<td>HUMAN RELATIONS</td>
<td>3.00</td>
<td>Practical application of basic psychology in building better employer-employee relationships.</td>
<td>None.</td>
<td>EVENING 06:30PM 09:40PM M JFK 120 E Davalos Last day to add: 09/09/16</td>
<td></td>
<td></td>
<td>The above section is a web-enhanced class. Internet access is required.</td>
</tr>
<tr>
<td>MAG-55</td>
<td>HUMAN RELATIONS</td>
<td>3.00</td>
<td>Practical application of basic psychology in building better employer-employee relationships.</td>
<td>None.</td>
<td>ONLINE ON LINE E Davalos 08/29/16 10/21/16 Last day to add: 09/06/16</td>
<td></td>
<td></td>
<td>The above section is a short term online class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>. Please note the start and end dates.</td>
</tr>
</tbody>
</table>
MANUFACTURING TECHNOLOGY

MAN-38 GENERAL MACHINE SHOP 3.00 UNITS
This introductory course instructs students in the basic setup and operating of the lathe, mill, saw, drill press and grinder. Safety, blueprint reading, measurement, shop math, tool grading, and speed and feed calculations also included.
PREREQUISITE: None.

DEVVENING
37929 06:00PM 08:05PM M CACT 2 K Wils
08:15PM 09:50PM M CACT 2
06:00PM 08:05PM W CACT 2
Last day to add: 09/09/16

MAN-39 MACHINE SHOP THEORY 2.00 UNITS
The basic cutting concepts of machine tools are described and applied emphasizing safe work practices and rules related to machine tool operations.
PREREQUISITE: None.

37930 03:00PM 05:05PM W CACT 2 K Wils
Last day to add: 09/09/16

MAN-55 OSHA STANDARDS FOR INDUSTRY 2.00 UNITS
OSHA policies, procedures and standards, as well as safety for general industry and health principles. Topics include scope and application of the OSHA standards for general industry.
PREREQUISITE: None.

37899 08:00AM 10:20AM MTWTHF IT 124 K Mosley
08/29/16 09/16/16
The above section is a short term class. Please note the start and end dates.

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

DEVVENING
37556 06:00PM 08:05PM T CACT 2 P Van Hulle
08:15PM 09:50PM T CACT 2
06:00PM 08:05PM TH CACT 2
Last day to add: 09/09/16

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.

37558 03:35PM 04:25PM T IT 124 G Graham
04:35PM 05:25PM T IT 124
03:35PM 04:40PM TH IT 124
04:50PM 05:40PM TH IT 124
03:35PM 04:55PM F IT 124
Last day to add: 09/09/16

MARKETING

MKT-20 PRINC OF MARKETING 3.00 UNITS
Examines the role of marketing along with an analysis of both profit and non-profit organizations' product, price, distribution and promotion.
PREREQUISITE: None.
ADVISORY: BUS-10.

DEVVENING
37645 06:30PM 09:40PM T JFK 112 M Ferguson
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

MATHMATICSS

MAT-1A CALCULUS I 4.00 UNITS
Differentiation with applications and basic integration.
PREREQUISITE: MAT-10 or qualifying placement level.

37577 08:30AM 09:35AM T LIBR 108 J Frewing
09:40AM 11:45AM TTH LIBR 108
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

37575 02:00PM 04:05PM T 04:10PM 05:15PM T
STEM 115 J Mulari
STEM 115
Last day to add: 09/09/16
Designated laboratory hours are included in the meeting times for this class.

DEVVENING
37576 06:35PM 07:40PM M 07:45PM 09:50PM M 07:45PM 09:50PM W
ATEC 211 A Thomas
ATEC 212
ATEC 210
Last day to add: 09/09/16
Designated laboratory hours are included in the meeting times for this class.

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

37578 09:40AM 11:45AM TTH ATEC 211 J Parks
11:50AM 12:55PM T ATEC 211
Last day to add: 09/09/16
Designated laboratory hours are included in the meeting times for this class.

DEVVENING
37579 05:30PM 07:35PM MW 07:40PM 09:45PM M
ATEC 210 Staff
ATEC 210
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

MAT-1C CALCULUS III 4.00 UNITS
Vectors, partial differentiation, and multiple integrals with applications.
PREREQUISITE: MAT-1B.

37580 09:40AM 11:45AM TTH HUM 102 B Johnson
Last day to add: 09/09/16
MOVING THROUGH MATH

SHADED AREAS INDICATE POSSIBLE COURSE PLACEMENTS

MAT-63
ARITHMETIC
NO PREREQUSITE

MAT-64
PRE-ALGEBRA
PREREQUISITE: MAT-63 OR MAT-50C

MAT-65
ARITHMETIC & PRE-ALGEBRA
NO PREREQUISITE

MAT-52
ELEMENTARY ALGEBRA
PREREQUISITE: MAT-64, MAT-65, OR MAT-50F

MAT-53***
COLLEGE GEOMETRY
PREREQUISITE: MAT-52

MAT-35**
INTERMEDIATE ALGEBRA
PREREQUISITE: MAT-52

MAT-36***
TRIGONOMETRY
PREREQUISITE: MAT-35 & MAT-53

MAT-10***
PRE-CALCULUS
PREREQUISITE: MAT-36

MAT-1A*
CALCULUS I
PREREQUISITE: MAT-10

MAT-1B*
CALCULUS II
PREREQUISITE: MAT-1A

MAT-1C*
CALCULUS III
PREREQUISITE: MAT-1B

MAT-2*
DIFFERENTIAL EQUATIONS
PREREQUISITE: MAT-1B

MAT-3*
LINEAR ALGEBRA
PREREQUISITE: MAT-1B

MAT-4*
FINITE MATH
PREREQUISITE: MAT-35

MAT-5*
CALCULUS, A SHORT COURSE
PREREQUISITE: MAT-35

MAT-11*
COLLEGE ALGEBRA
PREREQUISITE: MAT-35

MAT-12*
STATISTICS
PREREQUISITE: MAT-35

MAT-25*
A SURVEY OF MATHEMATICS
PREREQUISITE: MAT-35

*Indicates UC/CSU Transferable Course
**Associate Degree Applicable Only
***ICM Transferable Only

LIBERAL STUDIES OR SOCIAL SCIENCE MAJORS
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT-2</td>
<td>DIFFERENTIAL EQUATIONS</td>
<td>4.00</td>
<td>Introduction to differential equations and their applications.</td>
<td>PREREQUISITE: MAT-1B.</td>
</tr>
<tr>
<td>37581</td>
<td>08:15AM 10:20AM TTH STEM 115 A Robles</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
<tr>
<td>MAT-3</td>
<td>LINEAR ALGEBRA</td>
<td>3.00</td>
<td>Introduction to matrix algebra with vector spaces and linear transformations.</td>
<td>PREREQUISITE: MAT-1B.</td>
</tr>
<tr>
<td>37583</td>
<td>02:00PM 03:25PM TTH LIBR 108 J Parks</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
<tr>
<td>MAT-5</td>
<td>CALCULUS FOR BUS AND LIFE SCI</td>
<td>4.00</td>
<td>Calculus for business administration, life and social science majors. Applications of derivatives and integrals.</td>
<td>PREREQUISITE: MAT-35 or qualifying placement level.</td>
</tr>
<tr>
<td>37613</td>
<td>10:30AM 12:35PM MW ATEC 210 P Singh</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
<tr>
<td>37612</td>
<td>03:00PM 05:05PM MW ATEC 210 A Robles</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
<tr>
<td>MAT-10</td>
<td>PRECALCULUS</td>
<td>4.00</td>
<td>College-level algebra and trigonometry preparation for calculus.</td>
<td>PREREQUISITE: MAT-36 or qualifying placement level.</td>
</tr>
<tr>
<td>37560</td>
<td>08:00AM 10:05AM MW LIBR 108 J Mulari</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
<tr>
<td>37559</td>
<td>08:15AM 10:20AM MW STEM 201 Staff</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
<tr>
<td>37840</td>
<td>02:00PM 04:05PM TTH ATEC 211 Staff</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
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<tr>
<td>MAT-11</td>
<td>COLLEGE ALGEBRA</td>
<td>4.00</td>
<td>College-level algebra.</td>
<td>PREREQUISITE: MAT-35 or qualifying placement level.</td>
</tr>
<tr>
<td>37564</td>
<td>07:20AM 09:25AM TTH WEQ W6 J Mulari</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
<tr>
<td>37567</td>
<td>10:30AM 12:35PM MW ATEC 119 J Mulari</td>
<td></td>
<td>Last day to add: 09/09/16</td>
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<tr>
<td>37565</td>
<td>02:00PM 04:05PM TTH WEQ W6 S Park</td>
<td></td>
<td>Last day to add: 09/09/16</td>
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</tr>
<tr>
<td>37562</td>
<td>03:00PM 05:05PM MW HUM 102 J Basinger</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
<tr>
<td>37566</td>
<td>04:15PM 06:20PM TTH LIBR 108 S Park</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
<tr>
<td>MAT-12</td>
<td>STATISTICS</td>
<td>4.00</td>
<td>A study of statistical methods and their application to hypothesis testing and estimation of population parameters.</td>
<td>PREREQUISITE: MAT-35 or qualifying placement level.</td>
</tr>
<tr>
<td>37574</td>
<td>08:15AM 10:20AM MW WEQ W6 N Alvarado</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
<tr>
<td>37833</td>
<td>08:15AM 10:20AM TTH WEQ W4 P Singh</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
<tr>
<td>37834</td>
<td>08:30AM 11:00AM F WEQ W6 N Alvarado</td>
<td></td>
<td>Last day to add: 09/13/16</td>
<td></td>
</tr>
<tr>
<td>MAT-25</td>
<td>MATH FOR THE LIBERAL ARTS</td>
<td>3.00</td>
<td>A college-level course designed for students majoring in liberal arts, education, or communication.</td>
<td>PREREQUISITE: MAT-35 or qualifying placement level.</td>
</tr>
<tr>
<td>37582</td>
<td>08:45AM 10:10AM MW ATEC 210 J Frewing</td>
<td></td>
<td>Last day to add: 09/09/16</td>
<td></td>
</tr>
</tbody>
</table>
MAT-32  INTRO TO SYMBOLIC LOGIC  3.00 UNITS
Principles of deductive reasoning applying modern symbolic techniques.
(Same as PHI-32)
PREREQUISITE: None.
LIMITATION ON ENROLLMENT: May not be taken if credit for PHI-32 has been granted.
37584  02:00PM 03:35PM  TTH  ATEC 119  Staff
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

MAT-35  INTERMEDIATE ALGEBRA  5.00 UNITS
Algebra preparation for college-level mathematics.
PREREQUISITE: MAT-52 or qualifying placement level.
37607  07:00AM 08:35AM  MWF  STEM 115  Staff
Last day to add: 09/09/16
37587  03:00PM 05:30PM  MW  WEQ W4  S Lee
Last day to add: 09/09/16
37599  03:00PM 05:30PM  MW  ATEC 204  J DeGuzman
Last day to add: 09/09/16
37593  03:15PM 05:45PM  TTH  WEQ W4  K Helmick
Last day to add: 09/09/16

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

37596  09:40AM 12:10PM  TTH  ATEC 119  Staff
Last day to add: 09/09/16
37591  06:00PM 08:30PM  TTH  HUM 102  J DeGuzman
Last day to add: 09/09/16
37594  06:00PM 08:30PM  TTH  WEQ W7  H Stark
Last day to add: 09/09/16
37592  06:30PM 09:00PM  MW  ATEC 119  B Nguyen
Last day to add: 09/09/16

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

37604  02:10PM 04:40PM  TTH  STEM 201  E Hwang
Last day to add: 09/09/16
37606  02:10PM 04:40PM  TTH  STEM 201  E Hwang
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.
37605  02:30PM 03:55PM  TTH  ATEC 205  E Chung
Last day to add: 09/09/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
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.

37609  10:30AM 12:35PM  TTH  WEQ W4  R Prior
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37838  02:00PM 04:05PM  TTH  WEQ W3  R Prior
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

EVENING
37610  05:30PM 07:35PM  MW  WEQ W5  Staff
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

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.

37619  07:00AM 09:05AM  TTH  ATEC 204  Staff
Last day to add: 09/09/16

37624  07:10AM 08:35AM  M  ATEC 119  K Sadatmand
07:10AM 08:20AM  WF  ATEC 119  Staff
Last day to add: 09/09/16

37614  08:15AM 10:20AM  MW  WEQ W5  F Gelenchi
Last day to add: 09/09/16

37615  10:30AM 12:35PM  MW  HUM 102  J Frewing
Last day to add: 09/09/16

37616  12:45PM 02:10PM  M  WEQ W5  J DeGuzman
12:45PM 01:55PM  WF  WEQ W5  Staff
Last day to add: 09/09/16

37627  02:00PM 04:05PM  TTH  WEQ W5  N Shumaker
Last day to add: 09/09/16

37626  03:00PM 05:05PM  MW  LIBR 108  H Mai
Last day to add: 09/09/16

37617  04:15PM 06:20PM  TTH  ATEC 119  N Shumaker
Last day to add: 09/09/16

37623  04:15PM 06:20PM  TTH  JFK 119  Staff
Last day to add: 09/09/16

EVENING
37620  06:30PM 08:35PM  MW  LIBR 108  H Mai
Last day to add: 09/09/16

MAT-53 COLLEGE GEOMETRY  3.00 UNITS
A course in the study of two- and three-dimensional geometry.
PREREQUISITE: MAT-52 or qualifying placement level.

37630  12:45PM 02:10PM  MW  ATEC 119  Staff
Last day to add: 09/09/16

37629  02:30PM 03:55PM  MW  WEQ W6  Staff
Last day to add: 09/09/16

EVENING
37631  06:30PM 07:55PM  TTH  WEQ W5  K Helmick
Last day to add: 09/09/16

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.

37632  04:15PM 05:40PM  MW  IT 101  S Hashemi
Last day to add: 09/09/16
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.
PREREQUISITE: None.
37636  07:00AM 08:35AM  MWF  ATEC 210  Staff  Last day to add: 09/09/16
37637  08:15AM 09:25AM  MTWH  ATEC 211  S Park  Last day to add: 09/09/16
37642  09:40AM 12:10PM  TTH  ATEC 204  S Park  Last day to add: 09/09/16
37638  10:30AM 12:05PM  MWF  ATEC 204  F Gelenchi  Last day to add: 09/09/16
37641  10:30AM 12:05PM  MWF  WEQ W5  L Ting  Last day to add: 09/09/16
37635  12:45PM 02:20PM  MWF  ATEC 210  B Nguyen  Last day to add: 09/09/16

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.
37643  08:45AM 10:10AM  MW  ST 203  M Gutierrez  Last day to add: 09/09/16
10:30AM 11:55AM  MW  ST 203  Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

MUSIC INDUSTRY STUDIES

MIS-1A  BEG.PERFORMANCE FOR RECORDING  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.
LIMITATION ON ENROLLMENT: Audition on or before the first class meeting.
37858  01:00PM 03:05PM  W  THTR 204  B Kerr  Last day to add: 09/09/16
01:00PM 05:15PM  F  THTR 204  Last day to add: 09/09/16

MIS-1B  INT. PERFORMANCE FOR RECORDING  2.00 UNITS
Skills development in performance and studio technique as they relate to song formation, collaboration, microphone, mixing and production.
PREREQUISITE: MIS-1A.
37859  01:00PM 03:05PM  W  THTR 204  B Kerr  Last day to add: 09/09/16
01:00PM 05:15PM  F  THTR 204  Last day to add: 09/09/16

MIS-1C  ADV PERFORMANCE FOR RECORDING  2.00 UNITS
Advanced performance and studio techniques as they relate to communication, song collaboration, studio session mapping, microphone, mixing and production.
PREREQUISITE: MUC-1B.
37860  01:00PM 03:05PM  W  THTR 204  B Kerr  Last day to add: 09/09/16
01:00PM 05:15PM  F  THTR 204  Last day to add: 09/09/16

MIS-3  DIGITAL AUDIO PRODUCTION 1  4.00 UNITS
An introduction to electronic music production including synthesis, sampling, MIDI sequencing and audio production. Students have the opportunity to obtain Pro Tools User Certification.
PREREQUISITE: None.
37862  02:00PM 03:25PM  TH  IT 106  A Eastwood  Last day to add: 09/09/16
03:35PM 05:00PM  TH  IT 106
37861  03:25PM 04:50PM  MW  IT 106  B Kerr  Last day to add: 09/09/16
05:00PM 06:25PM  MW  IT 106  Last day to add: 09/09/16
MIS-7       INTRO TO MUSIC TECHNOLOGY              3.00  UNITS
This introductory course examines the terminology, equipment, techniques, and concepts related to music technology.
PREREQUISITE: None.
37831  08:00AM 09:05AM  M   IT  106  A Eastwood
09:15AM 10:40AM  MW   IT  106
08:00AM 08:50AM  W   IT  106
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

MIS-10A   NORCO CHOIR I                      2.00  UNITS
A mixed-voice ensemble dedicated to the performance of traditional choral music, popular vocal ensemble music, spirituals, choral jazz and other 20th century vocal works.
PREREQUISITE: None.
LIMITATION ON ENROLLMENT: Audition on or before the first class meeting.
37903  11:15AM 12:35PM  MWF  THTR 204  K Kamerin
Last day to add: 09/30/16
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. Contact the instructor for additional information.

MIS-10B   NORCO CHOIR II                    2.00  UNITS
A continuation of the skill development needed for the performance of traditional choral music, popular vocal ensemble music, spirituals, choral jazz and other 20th century vocal works.
PREREQUISITE: MIS-10A.
37904  11:15AM 12:35PM  MWF  THTR 204  K Kamerin
Last day to add: 09/30/16
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. Contact the instructor for additional information.

MIS-11A   STUDIO ARTS ENSEMBLE I           2.00  UNITS
An ensemble designed for instrumentalists and vocalists interested in the popular music and entertainment industries.
PREREQUISITE: None.
LIMITATION ON ENROLLMENT: Audition on or before the first class meeting.
37905  04:30PM 06:25PM  TTH  THTR 204  B Palispis
Last day to add: 09/29/16
The above section is a web-enhanced class. Internet access is required. 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. Contact the instructor for additional information.

MIS-11B   STUDIO ARTS ENSEMBLE II          2.00  UNITS
A continuation of the skill development of instrumentalists and vocalists interested in the popular music and entertainment industries.
PREREQUISITE: MIS-11A.
37906  04:30PM 06:25PM  TTH  THTR 204  B Palispis
Last day to add: 09/29/16
The above section is a web-enhanced class. Internet access is required. 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. Contact the instructor for additional information.

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.
37661  07:45AM 09:10AM  MW  HUM 101  K Kamerin
09:30AM 10:55AM  MW  HUM 101
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

MUS-5       MUSIC THEORY II                4.00  UNITS
Principles of voice leading of the Common Practice period including diatonic and chromatic harmony.
PREREQUISITE: MUS-4 or the equivalent.
ADVISORY: Concurrent enrollment in an appropriate level piano class.
37964  07:45AM 09:10AM  MW  HUM 101  K Kamerin
09:30AM 10:55AM  MW  HUM 101
Last day to add: 09/09/16
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.
37659  12:45PM 02:10PM  MW  THTR 101  A Yankee
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS-23</td>
<td>HISTORY OF ROCK AND ROLL</td>
<td>3.00</td>
<td>Comprehensive study of rock and roll music from its origins to the present. Emphasis on historical, musical, and sociological influences and listening to the music. PREREQUISITE: None.</td>
</tr>
<tr>
<td>MUS-30</td>
<td>CLASS VOICE</td>
<td>1.00</td>
<td>Group study of vocal production, voice technique, diction and interpretation. PREREQUISITE: None.</td>
</tr>
<tr>
<td>MUS-32A</td>
<td>CLASS PIANO I</td>
<td>1.00</td>
<td>Beginning course in developing the skills needed for performing on piano, including reading from music notation. PREREQUISITE: None.</td>
</tr>
<tr>
<td>MUS-32B</td>
<td>CLASS PIANO II</td>
<td>1.00</td>
<td>Skills development in playing select major and minor scales, primary triad progressions, harmonizing easy melodies, transposing to closely related keys, sight reading easy pieces, and performing simple piano pieces. PREREQUISITE: MUS-32A or the equivalent.</td>
</tr>
<tr>
<td>MUS-32C</td>
<td>CLASS PIANO III</td>
<td>1.00</td>
<td>Focus on playing major and minor scales starting on black keys, arpeggios, harmonizing melodies with accompaniment patterns, sight reading and transposing simple pieces, and performing intermediate piano learning pieces and ensembles from open score. PREREQUISITE: MUS-32B or the equivalent.</td>
</tr>
<tr>
<td>MUS-32D</td>
<td>CLASS PIANO IV</td>
<td>1.00</td>
<td>Focus on playing all major and minor scales and arpeggios, two octaves, hands together, diatonic chord progressions, harmonizing melodies, transposing and sight reading pieces of moderate difficulty, accompanying for a soloist, score reading pieces of moderate difficulty, and performing piano pieces in contrasting styles. PREREQUISITE: MUS-32C or the equivalent.</td>
</tr>
<tr>
<td>MUS-37</td>
<td>CLASS GUITAR</td>
<td>1.00</td>
<td>Basic guitar playing skills including reading from music notation. PREREQUISITE: None.</td>
</tr>
<tr>
<td>MUS-38</td>
<td>BEGINNING APPLIED MUSIC I</td>
<td>2.00</td>
<td>Vocal or instrumental individualized music instruction and practice for a total of 108 hours. Not designed for beginning students. PREREQUISITE: None. LIMITATION ON ENROLLMENT: Audition on or before the first class meeting.</td>
</tr>
<tr>
<td>MUS-39</td>
<td>APPLIED MUSIC I</td>
<td>3.00</td>
<td>Vocal or instrumental individualized music instruction and practice, and performance for a total of 162 hours. Not designed for beginning students. PREREQUISITE: None. COREQUISITE: Enrollment in a two-unit performance class. LIMITATION ON ENROLLMENT: Audition on or before the first class meeting.</td>
</tr>
<tr>
<td>MUS-65</td>
<td>BASIC MUSICIANSHP</td>
<td>2.00</td>
<td>An introduction to the basic knowledge and skills necessary to develop the ability to read music. PREREQUISITE: None.</td>
</tr>
</tbody>
</table>
### MUS-78  BEG APPLIED MUSIC II  2.00 UNITS

Advanced vocal or instrumental individualized music instruction, practice, and performance for a total of 108 hours. Not designed for beginning students.

**PREREQUISITE:** None.

**LIMITATION ON ENROLLMENT:** Audition on or before the first class meeting.

<table>
<thead>
<tr>
<th>Section</th>
<th>Instructor</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>37865</td>
<td>K Kamerin</td>
<td>TBA</td>
<td>TBA</td>
<td>10/01/16</td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class and has a 108-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass or drums. An audition is required. A mandatory instructional meeting will be held on Thursday, 9/1 from 12:50PM - 1:50PM in THTR 101. If you cannot attend the meeting, you must contact the instructor to schedule an audition. The deadline to schedule auditions is Friday, 9/2. 6 hours of lessons and 6 hours of required performance times are to be arranged with your instructor. In addition, students are required to practice in the Norco music practice facilities for 6 hours each week. For additional information, please email kim.kamerin@norcocollege.edu or call 951-738-7703.

### MUS-89  MUSIC OF MULTICULTURAL AMERICA  3.00 UNITS

A comparative and integrative study of the multicultural musical styles of the United States.

**ONLINE**

<table>
<thead>
<tr>
<th>Section</th>
<th>Instructor</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>37670</td>
<td>I Zubizarreta</td>
<td>ON LINE</td>
<td>ON LINE</td>
<td>09/09/16</td>
</tr>
</tbody>
</table>

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

### PHILOSOPHY

#### PHI-10  INTRO TO PHILOSOPHY  3.00 UNITS

Introduction to the major questions of Western philosophy and their answers.

**PREREQUISITE:** None.

**ADVISORY:** ENG-50 or 80.

<table>
<thead>
<tr>
<th>Section</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
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<tr>
<td>37673</td>
<td>TTH</td>
<td>08:00AM 09:25AM</td>
<td>HUM 102</td>
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<tr>
<td>37675</td>
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<td>09:40AM 11:05AM</td>
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The above section is a web-enhanced class. Internet access is required.

### EVENING

<table>
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<th>Section</th>
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<td>37672</td>
<td>M</td>
<td>06:00PM 09:10PM</td>
<td>WEQ W7</td>
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<tr>
<td>37677</td>
<td>TH</td>
<td>06:00PM 09:10PM</td>
<td>ATEC 114</td>
</tr>
</tbody>
</table>

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

#### PHI-11  CRITICAL THINKING  3.00 UNITS

Introduction to critical thinking as it relates to everyday experience and general knowledge.

**PREREQUISITE:** None.

**ADVISORY:** REA-82.

<table>
<thead>
<tr>
<th>Section</th>
<th>Day</th>
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</thead>
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<td>37678</td>
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<td>LIBR 108</td>
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<td>37679</td>
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<td>11:15AM 12:40PM</td>
<td>IT 210</td>
</tr>
</tbody>
</table>

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

#### PHI-12  ETHICS: CONTEMP MORAL ISSUES  3.00 UNITS

An examination of contemporary moral problems in light of ethical theory.

**PREREQUISITE:** None.

<table>
<thead>
<tr>
<th>Section</th>
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<th>Time</th>
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</thead>
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<tr>
<td>37681</td>
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<td>12:45PM 02:10PM</td>
<td>LIBR 108</td>
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</tbody>
</table>

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

#### PHI-32  INTRO SYMBOLIC LOGIC  3.00 UNITS

Principles of deductive reasoning applying modern symbolic techniques. (Same as MAT-32)

**PREREQUISITE:** None.

**LIMITATION ON ENROLLMENT:** May not be taken if credit for MAT-32 has been granted.

<table>
<thead>
<tr>
<th>Section</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
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<td>37682</td>
<td>TTH</td>
<td>02:00PM 03:35PM</td>
<td>ATEC 119</td>
</tr>
</tbody>
</table>

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

#### 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 and REA-83 and qualification for ENG-1A.

<table>
<thead>
<tr>
<th>Section</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
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<tr>
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</table>

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
### Physical Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHS-1</td>
<td>Intro Physical Sci</td>
<td>3.00</td>
<td>Descriptive survey of the physical sciences: astronomy, geology, physics, chemistry as they relate to daily living.</td>
</tr>
</tbody>
</table>

**PHYSICS**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY-2B</td>
<td>General Physics II</td>
<td>4.00</td>
<td>Study of thermodynamics, electricity, and magnetism, optics and modern physics.</td>
</tr>
</tbody>
</table>

**Political Science**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL-1</td>
<td>American Politics</td>
<td>3.00</td>
<td>The principles, institutions, policies, and critical issues in American politics.</td>
</tr>
</tbody>
</table>
NORCO COLLEGE

EVENING
37692 06:00PM 09:10PM TH STEM 201 S Popiden
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

EVENING
37691 06:30PM 09:40PM T LIBR 108 E Kehlenbach
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

ONLINE
37697 ONLINE S Popiden
Last day to add: 09/09/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

ONLINE
37701 ONLINE S Popiden
Last day to add: 09/09/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com.

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: REA-83 and qualification for ENG-1A.

37705 09:40AM 11:05AM TTH IT 122 S Popiden
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

POL-13 INTRO AMER FOREIGN POLICY 3.00 UNITS
A survey of American foreign policy examining institutions, historical policies, ideologies and interests.
PREREQUISITE: None.
ADVISORY: Qualification for ENG-1A.

37877 02:40PM 04:05PM MW WEQ W3 C Mahon
Last day to add: 09/09/16
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.

37707 08:00AM 09:25AM T IT 117 L Adams
Last day to add: 09/09/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

37709 08:00AM 09:25AM TH IT 117 L Adams
Last day to add: 09/09/16
The above section is a hybrid 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.

37717 11:15AM 12:40PM TTH IT 117 L Adams
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

37716 12:45PM 02:10PM MW STEM 115 B Adams
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

PSY-8 INTRO TO SOCIAL PSYCHOLOGY 3.00 UNITS
The study of individual human behavior in relation to the social environment.
PREREQUISITE: None.

37721 09:40AM 11:05AM TTH IT 101 Staff
Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.

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

37723 07:00AM 11:05AM F ATEC 211 J Zeeb
09/02/16 12/09/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

37722 08:45AM 10:10AM MW IT 101 B Adams
09/09/16
The above section is a web-enhanced class. Internet access is required.

37724 12:45PM 02:10PM MW ATEC 114 Staff
09/09/16
The above section is a web-enhanced class. Internet access is required.

37725 04:15PM 05:40PM MW ATEC 119 K Norton
09/09/16
The above section is a web-enhanced class. Internet access is required.

**EVENING**
37727 06:00PM 09:10PM T ATEC 114 W Radtke
09/09/16
The above section is a web-enhanced class. Internet access is required.

**WEEKEND**
37726 08:00AM 12:05PM S ATEC 114 J Hicks
09/03/16 12/10/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

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.

**EVENING**
37718 06:00PM 09:10PM T ATEC 205 K Norton
09/09/16
The above section is a web-enhanced class. Internet access is required.

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

**EVENING**
37719 06:00PM 09:10PM M WEQ W3 J Zeeb
09/09/16
The above section is a web-enhanced class. Internet access is required.

PSY-50 RESEARCH METHODS IN PSYCHOLOGY 4.00 UNITS
The study and application of scientific methods used in behavioral research.
PREREQUISITE: PSY-1 and MAT-12/12H.

37720 02:20PM 04:10PM MW STEM 101 L Adams
10:25AM 11:50AM W STEM 302th
09/02/16 12/09/16
The above section is a web-enhanced class. Internet access is required.

37879 10:25AM 11:50AM M STEM 302 L Adams
02:20PM 04:10PM MW THTR 101
09/09/16
The above section is a web-enhanced class. Internet access is required.

REVIEW

**EVENING**
37728 04:15PM 05:40PM TTH LIBR 110 P Van Osterhoudt
09/09/16

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.
ADVISORY: Qualification for ENG-1A.

37728 04:15PM 05:40PM TTH LIBR 110 P Van Osterhoudt
09/09/16

REA-81 FOUNDATIONS COLLEGE READING 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.

37730 10:00AM 12:05PM TTH LIBR 110 M Sloniger
09/09/16
Designated laboratory hours are included in the meeting times for this class.

37731 06:00PM 07:25PM TTH LIBR 110 M Sloniger
09/09/16
Designated laboratory hours are included in the meeting times for this class.

37732 10:30AM 11:20AM M LIBR 110 M Sloniger
09/09/16
Designated laboratory hours are included in the meeting times for this class.

37733 07:15AM 08:20AM W LIBR 110
09/09/16
Designated laboratory hours are included in the meeting times for this class.

REVIEW

REA-82 COLLEGE READING AND STRATEGIES 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.

37734 07:15AM 08:20AM W LIBR 110 M Sloniger
09/09/16
Designated laboratory hours are included in the meeting times for this class.

37735 07:15AM 08:20AM W LIBR 110 M Sloniger
09/09/16
Designated laboratory hours are included in the meeting times for this class.

37736 10:30AM 11:20AM M LIBR 110 M Sloniger
09/09/16
Designated laboratory hours are included in the meeting times for this class.

37737 05:00PM 06:25PM MW LIBR 110 Z Moore
09/09/16
Designated laboratory hours are included in the meeting times for this class.

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!
www.norcocollegebookstore.com
REA-83 COLLEGE READING AND THINKING 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.
37735 02:30PM 06:35PM F LIBR 110 M Adebayo-Ige
09/02/16 12/09/16
Last day to add: 09/13/16
The above section is a short term class. Please note the start and end dates.

REAL ESTATE

RLE-80 REAL ESTATE PRINCIPLES 3.00 UNITS
Comprehensive analysis of basic laws, principles, terminology and current practices of California real estate.
PREREQUISITE: None.
37739 04:15PM 05:40PM M IT 209 Staff
09/02/16 12/09/16
Last day to add: 09/09/16
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.

ONLINE
37737 08/29/16 10/21/16
09/06/16
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-81 REAL ESTATE PRACTICE 3.00 UNITS
Daily operations in real estate brokerage. Applies toward educational requirements for broker's examination.
PREREQUISITE: None.
37740 08/29/16 10/21/16
09/06/16
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.

ONLINE
37741 10/24/16 12/15/16
11/01/16
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-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
37742 08/29/16 10/21/16
09/06/16
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
37743 08/29/16 10/21/16
09/06/16
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.

SOCIOMETRY

SOC-1 INTRO TO SOCIOLOGY 3.00 UNITS
An introduction to the basic concepts of societal organization.
PREREQUISITE: None.
ADVISORY: ENG-50.
37749 07:10AM 08:35AM MW HUM 102 K Andacheh
09/02/16 Last day to add: 09/09/16
37751 08:00AM 09:25AM TTH STEM 201 K Andacheh
09/02/16 Last day to add: 09/09/16
37750 08:45AM 10:10AM MW HUM 102 K Andacheh
09/02/16 Last day to add: 09/09/16
37755 09:40AM 11:05AM TTH STEM 201 K Andacheh
09/02/16 Last day to add: 09/09/16
37746 11:15AM 12:40PM TTH STEM 201 K Andacheh
09/02/16 Last day to add: 09/09/16
37754 11:15AM 03:20PM F IT 117 R Halili
09/02/16 Last day to add: 09/13/16
09/02/16 12/09/16
Last day to add: 09/09/16
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

ONLINE
37753 04:15PM 05:40PM MW WEQ W6 Staff
09/02/16 Last day to add: 09/09/16
37756 04:15PM 05:40PM TTH IT 117 Staff
09/02/16 Last day to add: 09/09/16
The above section is a web-enhanced class. Internet access is required.
ENROLLMENT GUIDELINES

SPANISH

1. If you have taken Spanish in high school or in another college or university, you must have official transcripts on file and request evaluation of the course(s) in order to enroll above level 1.

2. If you have acquired knowledge of Spanish outside of a formal educational institution, you must file a matriculation appeals petition in order to enroll above level 1.

SPA-1  SPANISH 1  5.00 UNITS
Develops basic skills in understanding, reading, communicating and writing in Spanish.
PREREQUISITE: None.
ADVISORY: Completion of placement test to assess level of proficiency in Spanish.

37760  08:00AM 11:15AM  F  LIBR 121  D Hitchcock
11:25AM 12:35PM  F  LIBR 121
09/02/16 12/16/16  Last day to add: 09/13/16

The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com. Designated laboratory hours are included in the meeting times for this class.

37766  11:45AM 02:50PM  W  LIBR 121  A Covarrubias
02:00PM 05:10PM  T  LIBR 121
02:00PM 04:05PM  TH  LIBR 121
04:15PM 05:05PM  TH  LIBR 121
09/02/16 12/10/16  Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

37763  03:00PM 05:10PM  M  LIBR 121  A Lomeli Gomez
05:15PM 06:05PM  M  LIBR 121
03:00PM 06:10PM  W  LIBR 109
09/02/16 12/10/16  Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

37764  06:00PM 09:10PM  T  LIBR 109  I Vejar
06:00PM 08:05PM  TH  LIBR 121
08:15PM 09:05PM  TH  LIBR 121
09/02/16 12/10/16  Last day to add: 09/09/16

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
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Designated laboratory hours are included in the meeting times for this class.

SPA-1H HONORS SPANISH 1 5.00 UNITS
Offers students in the Honors Program an enriched experience in the development of basic skills in understanding, reading, communicating, and writing in Spanish.
PREREQUISITE: None.
ADVISORY: Completion of placement test to assess level of proficiency in Spanish.
LIMITATION ON ENROLLMENT: Enrollment in the Honors Program.

SPA-2 SPANISH 2 5.00 UNITS
Further development of basic skills in understanding, reading, communicating, and writing in Spanish.
PREREQUISITE: SPA-1, 1H or 1B or qualifying placement level on the Spanish assessment test or equivalent.

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-3 SPANISH 3 5.00 UNITS
Development of intermediate skills in understanding, reading, communicating, and writing in Spanish.
PREREQUISITE: SPA-2 or 2H or qualifying placement level on the Spanish assessment test or equivalent.

SPA-11 CULTURE AND CIVILIZATION 3.00 UNITS
Introductory survey of Spanish culture and civilization. Class conducted in English.
PREREQUISITE: None.

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.
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.

37778 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: 09/09/16

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.

ONLINE
37779 ON LINE A Etchison
Last day to add: 09/09/16
The above section is an online class. Computer with Internet access required. See www.opencampus.com. In addition to the online lecture, students are required to attend an orientation at Norco College on during the first week of the term. Dates and times will be posted on Blackboard. Students must also meet on-campus for an instructor conference and for final exams. Please see Blackboard for specific dates and times.

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

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www.norcollegebookstore.com
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:
  - Friday, December 9
  - Saturday, December 10
  - Sunday, December 11

  Monday, December 12
  Tuesday, December 13
  Wednesday, December 14
  Thursday, December 15

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

For classes not on the grid or conflicts that cannot be resolved, instructors will consult the department chair and the Norco College Dean of Instruction for resolutions.

<table>
<thead>
<tr>
<th>Examination Dates</th>
<th>Start 08:00AM – End 10:30AM</th>
<th>Start 11:00AM – End 01:30PM</th>
<th>Start 02:00PM – End 04:30PM</th>
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<tbody>
<tr>
<td>Friday, December 9</td>
<td>F 07:00-10:10</td>
<td>F 10:30-01:40</td>
<td>F 01:00-07:35</td>
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<tr>
<td></td>
<td>F 07:00-01:35</td>
<td>F 11:35-03:50</td>
<td>F 01:10-05:25</td>
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<td>F 07:10-11:25</td>
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<td>F 02:30-05:40</td>
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<td>F 08:00-02:35</td>
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<tr>
<td></td>
<td>F 08:45-01:00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monday, December 12</td>
<td>MWF 07:00-08:35</td>
<td>MWF 10:30-11:20 (11:40)</td>
<td>MW 02:00-04:05</td>
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<tr>
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<td>MWF 07:10-08:20 (08:35)</td>
<td>MWF 10:30-11:45 (11:55)</td>
<td>MWF 02:00-04:05</td>
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<td>MW 07:15-09:45</td>
<td>MW 10:30-11:55</td>
<td>MWF 02:30-03:20 (03:40)</td>
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<td>MWF 07:23-08:10 (08:30)</td>
<td>MWF 10:30-12:05</td>
<td>MWF 02:30-03:40 (03:55)</td>
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<td>MTWTh 07:10-08:35</td>
<td>MTWTh 07:30-12:05</td>
<td>MTWTh 02:30-03:40</td>
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<td>MW 08:00-10:05</td>
<td>MW 07:30-12:35</td>
<td>MTWTh 02:30-03:55</td>
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<td>MW 02:30-04:05</td>
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<td>MW 08:15-10:20</td>
<td>MW 08:15-10:20</td>
<td>MW 02:30-05:00</td>
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<tr>
<td>Tuesday, December 13</td>
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<td>TTh 09:30-12:40</td>
<td>MTWTh 02:00-03:10</td>
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* If you have two finals scheduled at the same time, see your instructors to schedule an alternate time for one of your finals.