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 17-23 de nuestra Páginas de Información.

Fall classes: August 26 - December 14

Updated 8/5/19

Music Industries Studies Class: Live Sound Reinforcement

NORCO COLLEGE

Fall 2019

Fall classes: August 26 - December 14
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 UNITS
Prerequisite: None
Advisory: BUS-20
Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture.

- 37000 Last Day to add: 09/02/19
- HYB 08/26/19 10/19/19 09:40AM 11:10AM TTH ATEC114
- 08/26/19 10/19/19 ONLINE
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.

Instructor: P Worsham

OL 08/26/19 12/14/19 ONLINE

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 come to campus for a proctored final exam. Your instructor will have additional details.

Instructor: D White

OL 10/21/19 12/14/19 ONLINE

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.

Instructor: D White

OL 08/26/19 12/14/19 07:40AM 09:05AM MW IT122

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

Instructor: D White
**ACC-1B**  
**Principles of Accounting II**  
3 UNITS  
**Prerequisite:** ACC-1A  
Description: A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture. (Letter grade only)  
37008 Last Day to add: 09/06/19  
OL 08/26/19 12/14/19 ONLINE  
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. In addition to the online lecture, students are required to come to campus for a proctored final exam. Your instructor will have additional details.  
**Instructor:** P Worsham  
37839 Last Day to add: 10/29/19  
OL 10/21/19 12/14/19 ONLINE  
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.  
**Instructor:** P Worsham  
37009 Last Day to add: 10/26/19  
HYB 10/21/19 12/14/19 09:40AM 11:05AM TTH ATEC114  
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.  
**Instructor:** P Worsham  
37007 Last Day to add: 10/27/19  
HYB 10/21/19 12/14/19 06:00PM 09:10PM W WEQW6A  
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.  
**Instructor:** D White  
37839 Last Day to add: 10/29/19  
OL 10/21/19 12/14/19 ONLINE  
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.  
**Instructor:** M Scott  
37009 Last Day to add: 10/26/19  
HYB 10/21/19 12/14/19 08:00AM 09:25AM TTH CACT2  
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.  
**Instructor:** M Scott  
37012 Last Day to add: 10/26/19  
HYB 10/21/19 12/14/19 08:00AM 09:25AM TTH CACT2  
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.  
**Instructor:** M Scott  

**ACC-55**  
**Applied Accounting/Bookkeeping**  
3 UNITS  
**Prerequisite:** None  
Description: This is an introductory course for students who are non-accounting majors. The focus is basic bookkeeping and accounting principles for both merchandising and service oriented small business enterprises. Emphasis is on the development of skills to record business transactions for cash and accrual methods, as well as the procedures to prepare financial statements and complete an accounting cycle. Attention is given to special journals, subsidiary ledgers, and payroll and banking procedures. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)  
37010 Last Day to add: 09/02/19  
HYB 08/26/19 10/19/19 0:00AM 09:25AM TTH CACT2  
08/26/19 10/19/19 ONLINE  
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.  
**Instructor:** N Ildefonso  

**ACC-62**  
**Payroll Accounting**  
3 UNITS  
**Prerequisite:** ACC-1A or ACC-55  
Description: Studies accounting for payroll and examines aspects of the Social Security Act, California Unemployment Insurance Act and the California Workers Compensation Insurance Act. Payroll principles applied through the use of microcomputers. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)  
37011 Last Day to add: 10/29/19  
OL 10/21/19 12/14/19 ONLINE  
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.  
**Instructor:** N Ildefonso  

**ACC-65**  
**Computerized Accounting**  
3 UNITS  
**Prerequisite:** ACC-1A or ACC-55  
**Advisory:** CIS-1A or CIS-3  
Description: An introduction to computerized accounting, integrating the principles of accounting to an automated system in use by many accounting professionals. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)  
37012 Last Day to add: 10/26/19  
HYB 10/21/19 12/14/19 08:00AM 09:25AM TTH CACT2  
10/21/19 12/14/19 ONLINE  
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.  
**Instructor:** N Ildefonso  

**ACC-67**  
**U.S. and California Income Tax Preparation**  
4 UNITS  
**Prerequisite:** None  
Description: U.S. and California income tax principles and tax return preparation as it relates to individuals, sole proprietorships, and other business entities. This course is certified by the California Tax Education Council (CTEC) as fulfilling the 60-hour qualifying education requirement imposed by the State of California for becoming a Registered Tax Preparer. 72 hours lecture.  
37013 Last Day to add: 09/01/19  
HYB 08/26/19 10/19/19 05:30PM 09:45PM W JFK118  
08/26/19 10/19/19 ONLINE  
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.  
**Instructor:** J Muir
ADMINISTRATION OF JUSTICE

ADJ-1
Introduction to the Administration of Justice. Same As Jus-1
3 UNITS

Prerequisite: None
Description: The history and philosophy of administration of justice in America; recapitulation of the system; identifying the various subsystems, role expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. 54 hours lecture.

37960 Last Day to add: 09/06/19
OL 08/26/19 12/14/19 ONLINE
The above section is an online class. Computer with Internet access required.


Instructor: S Williams

ADJ-2
Principles and Procedures of the Justice System
3 UNITS

Prerequisite: None
Description: An examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional precedents. 54 hours lecture.

37018 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 02:30PM 03:55PM TTH IT202
The above section is a web-enhanced class. Internet access is required.

Instructor: T Weeks

ADJ-3
Concepts of Criminal Law
3 UNITS

PREREQUISITE: None
Description: Historical development, philosophy of law and constitutional provisions; definitions, classification of crimes, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force. 54 hours lecture.

37991 Last Day to add: 09/06/19
OL 08/26/19 12/14/19 ONLINE
The above section is an online class. Computer with Internet access required.


Instructor: S Williams

ADJ-6
Patrol Procedures
3 UNITS

Prerequisite: None
Description: Responsibilities, techniques and methods of police patrol. 54 hours lecture.

37834 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:00PM 09:10PM T IT202
The above section is a web-enhanced class. Internet access is required.

Instructor: M Leese

ADJ-8
Juvenile Law and Procedures
3 UNITS

Prerequisite: None
Description: The organization, functions and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures. 54 hours lecture.

37943 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 03:00PM 04:25PM TTH CENT907
The above section is restricted to Centennial High School students participating in Norco College's Dual Enrollment Program. The above section is a web-enhanced class. Internet access is required.

Instructor: K Green

ADJ-9
Law In American Society
3 UNITS

Prerequisite: None
Description: A general survey of practical law intended as an introduction to the American legal system and to acquaint the student with elements of the law that affect everyday legal relationships: criminal and juvenile justice, consumer law, family law, housing law, and individual rights and liberties. Emphasis is placed on the philosophical and political foundations of law and on civil law. Recommended for prelaw students and for others interested in the practical application of the law. 54 hours lecture.

38062 Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 12:30PM 03:40PM T CRCCRCUL3
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a College education while incarcerated at the CRC in Norco.

Instructor: M Leese

ADJ-14
Advanced Criminal Investigation
3 UNITS

Prerequisite: ADJ-13 or JUS-13
Description: Advanced training and skill development in crime scene investigation and in the recording, collection, and preservation of physical and testimonial evidence. Focus is on the understanding and working knowledge of fingerprints, ballistics firearms identification, varieties of trace evidence and a basic introduction to forensic sciences. 54 hours lecture and 12 hours laboratory.

37017 Last Day to add: 09/28/19
WE 08/26/19 12/14/19 06:00PM 09:10PM M IT202
08/26/19 12/14/19 09:00AM 02:50PM S IT202
The above section is a web-enhanced class, which has 24 hours of lab to be held on 9/14, 10/5, 11/2 and 11/30 from 9am-2:50pm. Internet access is required.

Instructor: S Williams
## ANTHROPOLOGY

### ANT-1

**Physical Anthropology** | 3 UNITS  
---|---  
**Prerequisite:** None  
Description: An introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT-1 and ANT-1H. 54 hours lecture.  
37836 | Last Day to add: 09/06/19  
OL | 08/26/19 12/14/19  
Online |  
The above section is an online class. Computer with Internet access required.  
**Instructor:** A Gray  
37967 | Last Day to add: 09/06/19  
OL | 08/26/19 12/14/19  
Online |  
The above section is an online class. Computer with Internet access required.  
**Instructor:** A Gray  
37023 | Last Day to add: 09/06/19  
WE | 08/26/19 12/14/19 08:00AM - 11:10AM  
F | HUM111  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** P Roberts  
38063 | Last Day to add: 09/06/19  
LEC | 08/26/19 12/14/19 10:30AM - 11:55AM  
TTH | CRCRCL609B  
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a College education while incarcerated at the CRC in Norco.  
**Instructor:** A Mejia  
37963 | Last Day to add: 09/06/19  
WE | 08/26/19 12/14/19 11:15AM - 12:40PM  
TTH | HUM111  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** A Mejia  
37835 | Last Day to add: 09/06/19  
HYB | 08/26/19 12/14/19 02:30PM - 03:55PM  
T | HUM111  
08/26/19 12/14/19  
Online |  
The above section is a hybrid class. Computer with Internet access required.  
**Instructor:** C Buchanan  
37024 | Last Day to add: 09/06/19  
HYB | 08/26/19 12/14/19 02:30PM - 03:55PM  
T | HUM111  
08/26/19 12/14/19  
Online |  
The above section is a hybrid class. Computer with Internet access required.  
**Instructor:** C Buchanan  
37022 | Last Day to add: 09/06/19  
WE | 08/26/19 12/14/19 06:00PM - 09:10PM  
M | HUM111  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** T Heindel  
38058 | Last Day to add: 09/06/19  
HYB | 08/26/19 12/14/19 06:00PM - 07:25PM  
T | HUM111  
08/26/19 12/14/19  
Online |  
The above section is a hybrid class. Computer with Internet access required.  
**Instructor:** A Mejia

### ANT-1H

**Honors Physical Anthropology** | 3 UNITS  
**Prerequisite:** None  
**Limitation on enrollment:** Enrollment in the RCCD Honors Program  
Description: This honors course offers an enriched introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT 1 and ANT 1H. 54 hours lecture.  
37840 | Last Day to add: 09/06/19  
WE | 08/26/19 12/14/19 09:40AM - 11:05AM  
TTH | T1208  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** C Buchanan

### ANT-2

**Cultural Anthropology** | 3 UNITS  
**Prerequisite:** None  
Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.  
37027 | Last Day to add: 09/06/19  
OL | 08/26/19 12/14/19  
Online |  
The above section is an online class. Computer with Internet access required.  
**Instructor:** A Gray  
38121 | Last Day to add: 09/06/19  
OL | 08/26/19 12/14/19  
Online |  
The above section is an online class. Computer with Internet access required.  
**Instructor:** A Gray C Buchanan

### ANT-1L

**Physical Anthropology Laboratory** | 1 UNIT  
**Prerequisite:** None  
**Corequisite:** Concurrent enrollment in or prior completion of ANT-1 or 1H required.  
Description: Laboratory course exploring case studies and problems of human genetics, human variation, the identification of fossils through examination of fossil casts, human evolution, the study of the human skeleton, observation of primate behavior and structures utilizing the scientific method. 54 hours laboratory.  
37025 | Last Day to add: 09/06/19  
WEL | 08/26/19 12/14/19 09:15AM - 10:40AM  
MW | HUM111  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** Staff  
37026 | Last Day to add: 09/06/19  
WEL | 08/26/19 12/14/19 04:10PM - 05:35PM  
MW | HUM111  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** T Heindel  
38064 | Last Day to add: 09/06/19  
LAB | 08/26/19 12/14/19 06:00PM - 09:10PM  
TH | CRCRCL609B  
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a College education while incarcerated at the CRC in Norco.  
**Instructor:** C Buchanan

### ANT-1L

**Honors Physical Anthropology Laboratory** | 1 UNIT  
**Prerequisite:** None  
**Corequisite:** Concurrent enrollment in or prior completion of ANT-1 or 1H required.  
Description: Laboratory course exploring case studies and problems of human genetics, human variation, the identification of fossils through examination of fossil casts, human evolution, the study of the human skeleton, observation of primate behavior and structures utilizing the scientific method. 54 hours laboratory.  
37540 | Last Day to add: 09/06/19  
WE | 08/26/19 12/14/19 09:40AM - 11:05AM  
TTH | T1208  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** C Buchanan

### ANT-2

**Physical Anthropology Laboratory** | 1 UNIT  
**Prerequisite:** None  
Description: Laboratory course exploring case studies and problems of human genetics, human variation, the identification of fossils through examination of fossil casts, human evolution, the study of the human skeleton, observation of primate behavior and structures utilizing the scientific method. 54 hours laboratory.  
37025 | Last Day to add: 09/06/19  
WEL | 08/26/19 12/14/19 09:15AM - 10:40AM  
MW | HUM111  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** Staff  
37026 | Last Day to add: 09/06/19  
WEL | 08/26/19 12/14/19 04:10PM - 05:35PM  
MW | HUM111  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** T Heindel  
38064 | Last Day to add: 09/06/19  
LAB | 08/26/19 12/14/19 06:00PM - 09:10PM  
TH | CRCRCL609B  
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a College education while incarcerated at the CRC in Norco.  
**Instructor:** C Buchanan

### ANT-2

**Cultural Anthropology** | 3 UNITS  
**Prerequisite:** None  
Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.  
37027 | Last Day to add: 09/06/19  
OL | 08/26/19 12/14/19  
Online |  
The above section is an online class. Computer with Internet access required.  
**Instructor:** A Gray  
38121 | Last Day to add: 09/06/19  
OL | 08/26/19 12/14/19  
Online |  
The above section is an online class. Computer with Internet access required.  
**Instructor:** A Gray C Buchanan
Instructor: The above section is a web-enhanced class. Internet access is required.

37029  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  09:40AM  11:05AM  TTH  HUM111
The above section is a web-enhanced class. Internet access is required.
Instructor: S Wakim

37028  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  11:10AM  12:35PM  MW  HUM111
The above section is a web-enhanced class. Internet access is required.
Instructor: C Buchanan

37030  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  04:10PM  05:35PM  TTH  HUM111
The above section is a web-enhanced class. Internet access is required.
Instructor: A Mejia

ANT-5
Cultures of Ancient Mexico  3 UNITS
Prerequisite: None
Description: The development of civilization in ancient Mexico, integrating evidence from archaeology and the prehispanic and post-Conquest written records. Emphasizes the history, lifeways, and social and religious institutions of Mexico from the earliest cultures to the Aztec civilization, and their persistence in the modern world. 54 hours lecture.
37964  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  06:00PM  09:10PM  W  HUM111
The above section is a web-enhanced class. Internet access is required.
Instructor: C Goralski

ANT-6
Introduction to Archaeology  3 UNITS
Prerequisite: None
Description: An examination of the basic concepts, methods, and findings of modern archaeology. Covers the history of archaeology, the application of archaeological methods of recovery and interpretation, and the analysis of archaeological evidence as it is used to reconstruct ancient societies and major trends in cultural evolution. 54 hours lecture.
37033  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  02:30PM  03:55PM  MW  HUM111
The above section is a web-enhanced class. Internet access is required.
Instructor: C Buchanan

ANT-7
Anthropology of Religion  3 UNITS
Prerequisite: None
Description: Introduction to the anthropological study of religion in world cultures, using a cross-cultural approach to the analysis of beliefs, rituals, mythology, and the role of religion in society, particularly focusing on non-Western traditional societies. 54 hours lecture.
37034  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  12:45PM  02:10PM  MW  HUM111
The above section is a web-enhanced class. Internet access is required.
Instructor: A Gray

ARCHITECTURE

ARE-24
Architectural Drafting  3 UNITS
Prerequisite: ENE-21 and ENE-30
Description: Introduction to methods and techniques used in the development of architectural construction documents for light frame structures (Type V construction) including construction theory, notation, materials symbols, drawing format and general practice. Using Computer-Aided Drafting (CAD), this course will focus on the drawing of a set of plans to include a plot plan, foundation plan, floor plan(s), sections, exterior and interior elevations, electrical plan and structural details. Sketching techniques will also be covered. 27 hours lecture and 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)
37036  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  06:00PM  07:25PM  T  IT127
WE  08/26/19  12/14/19  07:35PM  09:40PM  T  IT127
WE  08/26/19  12/14/19  06:00PM  09:10PM  TH  IT127
The above section is a web-enhanced class. Internet access is required.
Instructor: A Nindra

ARE-35
History of Architecture-Beginnings through Gothic  3 UNITS
Prerequisite: None
Description: An examination of Western architecture form and design from antiquity through the Gothic period. Architectural monuments of the Western world will be analyzed and interpreted in terms of religious, social, and political context. Particular emphasis is given to process and sources of design, types and purposes of buildings as well as architecture and art in the built environment by considering the source and meaning of beauty. 54 hours lecture.(Letter Grade, or Pass/No Pass option.)
37037  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  06:30PM  09:40PM  W  IT106
The above section is a web-enhanced class. Internet access is required.
Instructor: A Nindra

ART

ART-1
History of Western Art: Prehistoric, Ancient, and Medieval  3 UNITS
Prerequisite: None
Advisory: ENG-1A
Description: Survey of the history of Western art: painting, architecture, and sculpture, Prehistoric through the Medieval periods. 54 hours lecture.(Letter Grade, or Pass/No Pass option.)
37038  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  06:00PM  09:10PM  W  WEQW7
The above section is a web-enhanced class. Internet access is required.
Instructor: C Goux
### ART-2
**History of Western Art: Renaissance Thru Contemporany**  
**3 UNITS**

**Prerequisite:** None  
**Advisory:** Qualification for ENG-1A  
**Description:** Survey of the history of Western art: painting, architecture, and sculpture, from the Renaissance through contemporary art. Students may not receive credit for both ART-2 and ART-2H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

<table>
<thead>
<tr>
<th>Course</th>
<th>Start Date</th>
<th>End Date</th>
<th>Days</th>
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<td>TH</td>
<td>02:30PM-03:55PM</td>
<td>WEQW6B</td>
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</tbody>
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Eastridge

### ART-2H
**Honors Art History of Western Art: Renaissance through Contemporary**  
**3 UNITS**

**Prerequisite:** None.  
**Advisory:** ENG-1A  
**Limitation on enrollment:** Enrollment in the Honors Program  
**Description:** Honors survey of the history of Western art. Students may not receive credit for both ART-2 and ART-2H. 54 hours lecture.

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<td>02:30PM-03:55PM</td>
<td>WEQW6B</td>
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Eastridge

### ART-6
**Art Appreciation**  
**3 UNITS**

**Prerequisite:** None  
**Advisory:** ENG-1A  
**Description:** An introductory course for the non-art major. The creative process and the development of observational, motor and creative skills. Emphasis will be on black and white media. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

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<td>TH</td>
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</table>

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

**Instructor:** M Eastridge

### ART-17
**Beginning Drawing**  
**3 UNITS**

**Prerequisite:** None  
**Description:** An introduction to the fundamentals of drawing in a variety of media. The exploration of the elements of art, the principles of composition, perspective and the development of observational, motor and creative skills. Emphasis will be on black and white media. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

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

**Instructor:** M Eastridge

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*HYB - Hybrid Lecture • HYBL - Hybrid Lab • HYBLO - Hybrid Online Lab • HYBO - Hybrid Online Lecture • LAB - Lab • LEC - Lecture • OL - Online Lecture • OLL - Online Lab  
WE - Web Enhanced Lecture • WEL - Web Enhanced Lab • WRK - Work Experience Lecture • WRKFW - Hybrid Work Experience • WRKO - Work Experience Online*
**ART-20**  
**Beginning Sculpture**  
**Prerequisite:** None  
Description: An introduction to the fundamentals of sculpture design and creation. A variety of materials, such as clay, wax and plaster, will be used. additive, subtractive, and construction methods for creating the sculptural pieces will be explored, as well as other types of materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)  

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The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Bell

**ART-22**  
**Basic Design**  
**Prerequisite:** None  
Description: An introduction to the fundamentals of two-dimensional design. The organization of visual elements according to the principles of design. Emphasis placed on visual perception, theory, dexterity, problem solving, analysis, application, skill, and presentation. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)  

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The above section is a web-enhanced class. Internet access is required.  
**Instructor:** M Lindeman

**ART-24**  
**Three Dimensional Design**  
**Prerequisite:** None  
Description: An introduction to the fundamentals of three-dimensional design. The use of the visual elements and the practice of the principles of design as they relate to various aspects of design (sculpture, architecture, commercial, stage, environmental and interior design). Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: $15.00)  

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**Instructor:** D Campuzano

**ART-26**  
**Beginning Painting**  
**Prerequisite:** ART-17  
Description: An introduction to the fundamentals of painting (oil or acrylic). An exploration of various considerations in painting; techniques, process, color theory, visual perception, composition, and creative skills. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)  

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The above section is a web-enhanced class. Internet access is required.  
**Instructor:** M Lindeman

**ART-27**  
**Intermediate Painting**  
**Prerequisite:** ART-23 or ART-26  
Description: Intermediate level of painting (oil or acrylic). Continued exploration of various techniques and the application of color theory. Development of visual, compositional, and creative skills. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)  

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The above section is a web-enhanced class. Internet access is required.  
**Instructor:** M Lindeman

**ART-28A**  
**Studio Painting-Portfolio Preparation**  
**Prerequisite:** ART-27  
Description: Independent painting studio for the self-motivated student with emphasis on individual art problems and portfolio development. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Emphasis will be on independent concept, development, and portfolio preparation. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)  

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The above section is a web-enhanced class. Internet access is required.  
**Instructor:** M Lindeman
ART-36A
Computer Art-Introduction  
Prerequisite: None  
Description: Introduction to creating fine art and design using digital media. The exploration of the visual characteristics of electronic imagery with emphasis on the essentials of fine art, design, and creative problem solving. Artwork will be developed using the computer, related software, and/or other electronic equipment. Students pay for their own materials. 36 hours of lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
37048 Last Day to add: 09/06/19  
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08/26/19 12/14/19 07:45AM 08:50AM  W ATEC109  
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08/26/19 12/14/19 09:00AM 10:50AM  W ATEC109  
The above section is a web-enhanced class. Internet access is required.  
Instructor: B May

ART-40A
Figure Drawing-Introduction  
Prerequisite: ART-17  
Description: Introduction to drawing the human figure. Students will draw from a nude model using a variety of media. Students pay for their own materials. 36 hours of lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
37049 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 08:00AM 10:30AM  F ATEC209  
08/26/19 12/14/19 10:40AM 03:55PM  F ATEC209  
The above section is a web-enhanced class. Internet access is required.  
Instructor: C Sanford

ART-40B
Figure Drawing-Intermediate  
Prerequisite: ART-40A  
Description: Intermediate level of drawing the human figure where emphasis will be on more developed and accurate figurative work, anatomy, improved composition, and further creative exploration. Students will draw from a nude model using a variety of media. Students pay for their own materials. 36 hours of lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
37050 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 08:00AM 10:30AM  F ATEC209  
08/26/19 12/14/19 10:40AM 03:55PM  F ATEC209  
The above section is a web-enhanced class. Internet access is required.  
Instructor: C Sanford

ART-41A
Figure Painting-Introduction  
PREREQUISITE: None.  
Introduction to painting the figure from a nude model. A variety of methods and materials will be introduced. PREREQUISITE: ART-26 or 40A.
38023 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 08:00AM 10:30AM  F ATEC209  
08/26/19 12/14/19 10:40AM 03:55PM  F ATEC209  
The above section is a web-enhanced class. Internet access is required.  
Instructor: C Sanford

BIOLOGY

BIO-1
General Biology  
4 UNITS  
Prerequisite: None.  
Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory.  
(Letter Grade only)
37056 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 08:00AM 09:25AM  TTH IT117  
08/26/19 12/14/19 09:40AM 12:50PM  TH IT128  
The above section is a web-enhanced class. Internet access is required.  
Instructor: T Friedrich Finnern

37058 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:40AM 10:40PM  TH IT128  
The above section is a web-enhanced class. Internet access is required.  
Instructor: J Reyes

37059 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:15AM 12:40PM  TTH IT117  
08/26/19 12/14/19 02:00PM 05:10PM  TH IT128  
The above section is a web-enhanced class. Internet access is required.  
Instructor: J Reyes

37833 Last Day to add: 09/06/19  
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08/26/19 12/14/19 02:00PM 05:10PM  T IT128  
The above section is a web-enhanced class. Internet access is required.  
Instructor: H Kim

38054 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 01:00PM 04:10PM  F IT101  
08/26/19 12/14/19 09:00AM 12:10PM  F ST203  
The above section is a web-enhanced class. Internet access is required.  
Instructor: H Kim

37065 Last Day to add: 09/06/19  
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08/26/19 12/14/19 10:00AM 01:10PM  F IT128  
The above section is a web-enhanced class. Internet access is required.  
Instructor: O Kim

37063 Last Day to add: 09/06/19  
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The above section is a web-enhanced class. Internet access is required.  
Instructor: A Tocts
BIO-10
Life Science Principles
Prerequisite: None
Description: For non-life science majors. An introduction to the principles of life sciences through the study of basic biological concepts of living organisms involving structure, behavior, evolutionary relationships and the social and environmental implications of life science. No credit at the University of California if taken following BIO-1 or 1H. 54 hours lecture.

BIO-18
Human Genetics (formerly Bio-34)
Prerequisite: None
Advisory: College's Dual Enrollment Program.
Description: A general education course for non-biology majors and allied health students who are interested in the underlying mechanisms of human heredity. Emphasis will be given to the role of genetics and environment on cells, individuals, family and human populations. Discussion on human genetic disorders and the social implications of modern human genetics will be included. 54 hours lecture.

BIO-19
Environmental Science (formerly Bio-36)
Prerequisite: None
Description: A study of humans in relation to the environment that emphasizes population ecology, nutrient cycles and energy flow, pollution, food production, and conservation of natural resources. 54 hours lecture.

BIO-5
General Botany
Prerequisite: None
Description: Introduction to the plant sciences with principal emphasis on the structures, functions and ecology of common members of each of the major plant divisions. Designed for nonmajors and majors in health science, forestry, agriculture, environmental science, landscape design, horticulture and general nature studies. 54 hours lecture and 54 hours laboratory.

HYB - Hybrid Lecture • HYBL - Hybrid Lab • HYBLO - Hybrid Online Lab • HYBO - Hybrid Online Lecture • LAB - Lab • LEC - Lecture • OL - Online Lecture • OLL - Online Lab • WE - Web Enhanced Lecture • WEL - Web Enhanced Lab • WRK - Work Experience Lecture • WRKH - Hybrid Work Experience • WRKO - Work Experience Online

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BIO-50A
Anatomy and Physiology I (formerly Amy-2a) 4 UNITS

Prerequisite: BIO-1 or BIO-1H or BIO-4 or BIO-55 or BIO-60 or BIO-60H
Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

38096 Last Day to add: 09/06/19
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The above section is a web-enhanced class. Internet access is required.
Instructor: S Tronti
37069 Last Day to add: 09/06/19
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The above section is a web-enhanced class. Internet access is required.
Instructor: P Campo
37070 Last Day to add: 09/06/19
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The above section is a web-enhanced class. Internet access is required.
Instructor: J Reyes
37071 Last Day to add: 09/06/19
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08/26/19 12/14/19 12:45PM 03:55PM MW ST211

The above section is a web-enhanced class. Internet access is required.
Instructor: C Sternburg
37072 Last Day to add: 09/06/19
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08/26/19 12/14/19 06:00PM 09:10PM MW ST211

The above section is a web-enhanced class. Internet access is required.
Instructor: C Sternburg G Johansen
37849 Last Day to add: 09/06/19
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08/26/19 12/14/19 06:15PM 09:25PM MW ST207

The above section is a web-enhanced class. Internet access is required.
Instructor: M Donovan

BIO-50B
Anatomy and Physiology II (formerly Amy-2b) 4 UNITS

Prerequisite: BIO-50A
Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

37847 Last Day to add: 09/06/19
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The above section is a web-enhanced class. Internet access is required.
Instructor: I McGuire
37074 Last Day to add: 09/06/19
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The above section is a web-enhanced class. Internet access is required.
Instructor: W Whalen
37075 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 05:15PM 06:20PM T TH ST207
08/26/19 12/14/19 06:30PM 09:40PM TH ST207

The above section is a web-enhanced class. Internet access is required.
Instructor: A Hoffman

BIO-55
Microbiology (formerly Mic-1) 4 UNITS

Prerequisite: CHE-2A or CHE-2B, and BIO-1 or BIO-1H or BIO-50A or BIO-60 or BIO-60H
Description: General characteristics of microorganisms with emphasis on morphology, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

37078 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 07:35AM 09:00AM MW ST211
08/26/19 12/14/19 09:15AM 12:25PM M ST203

The above section is a web-enhanced class. Internet access is required.
Instructor: M Gutierrez
37079 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 07:35AM 09:00AM MW ST211
08/26/19 12/14/19 09:15AM 12:25PM W ST203

The above section is a web-enhanced class. Internet access is required.
Instructor: M Gutierrez
BUSINESS ADMINISTRATION

BUS-3

Computer Applications for Business

3 UNITS

Prerequisite: None

Description: This course introduces a suite of computer applications to students preparing to enter business, and office professions. Individuals who are already established in these professions may also benefit from skills emphasized which include: use of basic operating system functions, file management, word processing, spreadsheets, database management, and presentation graphics. 54 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

Instructor: C McConnell-Freeman

BIOS-10

Introduction to Business

3 UNITS

Prerequisite: None.

Description: Scope, function and organization of contemporary business; fundamentals, concepts, principles, and current practices in the major areas of business activity with an integrated global perspective. 54 hours lecture. (Letter Grade only)

Instructor: G Zwart

BIOS-61

Introduction to Organismal and Population Biology (formerly Bio-12)

5 UNITS

Prerequisite: BIO-61 or BIO-60H

Advisory: MAT-35, ENG-50, ENG-80 or qualifying placement level

Description: An intensive course for all Life Science majors designed to prepare the student for upper division courses in molecular biology, cell biology, developmental biology, evolution, and genetics. Course material includes principles of biochemistry, prokaryotic and eukaryotic cell structure and function, metabolism including photosynthesis and respiration, cell division and its control, classical and molecular genetics, signal transduction, early animal development, evolution and the diversity of life at the cellular level. 72 hours lecture and 54 hours laboratory.

Instructor: B Moore

BIO-50

Introduction to Molecular and Cellular Biology (formerly Bio-11)

5 UNITS

Prerequisite: CHE-1A or CHE-1AH

Advisory: MAT-35, ENG-50, ENG-80 or qualifying placement level

Description: An intensive course for all Life Science majors designed to prepare the student for upper division courses in molecular biology, cell biology, developmental biology, evolution, and genetics. Course material includes principles of biochemistry, prokaryotic and eukaryotic cell structure and function, metabolism including photosynthesis and respiration, cell division and its control, classical and molecular genetics, signal transduction, early animal development, evolution and the diversity of life at the cellular level. 72 hours lecture and 54 hours laboratory.

Instructor: B Moore

Instructor: T Friedrich Finnern
Developing a Successful Business Plan/Model  
**Prerequisite:** None

**Description:** This course provides a systematic process for developing a business plan or model. It establishes a clear road map for clarifying a vision for a business and the strategic, tactical, and operational plans and/or model to move ideas into action. Students further along in the planning and research process will work through the major components of writing a business plan and/or model and emerge with a completed draft of a business plan/model. 36 hours lecture.

**Instructor:** Staff

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The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.

**BUS-18A**  
**Business Law I**  
**Prerequisite:** None

**Description:** The social and practical basis of the law. Covers the legal and ethical environment of business, contracts, agency and employment, and the law of sales. 54 hours lecture.

**Instructor:** T Wagner

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**Instructor:** T Wagner

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**Instructor:** S Johnson

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The above section is restricted to Eleanor Roosevelt High School students participating in Norco College’s Dual Enrollment Program and is a web-enhanced class. Internet access is required.

**Instructor:** J Holmes

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<td>38125</td>
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This class is part of Norco College’s Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

**Instructor:** E Davalos

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**Instructor:** G Sonnier

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**Instructor:** T Wagner

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**Instructor:** G Sonnier
BUS-18B
Business Law II  3 UNITS
Prerequisite: None
Description: Commercial paper, secured transactions, bankruptcy, agency and employment, business organizations, governmental regulations, international law, real and personal property and trusts and estates. 54 hours lecture.
Instructor: T Wagner

BUS-20
Business Mathematics  3 UNITS
Prerequisite: None
Description: An introduction to quantitative approaches for solving common business problems using general mathematics and first degree equations. Includes the development and solution of problems in the areas of business statistics, trade and cash discounts, markups and markdowns, perishables, payroll, taxes, simple interest, promissory notes, compound interest, present and future value, annuities and sinking funds, installment buying and credit cards, home ownership costs, insurance, stocks and bonds, mutual funds, financial reports, depreciation, inventory, and overhead. 54 hours lecture.
Instructor: P Worsham

BUS-22
Management Communications  3 UNITS
Prerequisite: None
Advisory: CAT-30
Description: Examines the dynamics of organizational communication including a cross cultural emphasis. Practical experience is attained in verbal, non-verbal and interpersonal communication. Includes business report writing, letter writing and resume writing. 54 hours lecture.
Instructor: E Doucette

BUS-24
Business Communication  3 UNITS
Prerequisite: ENG-1A or ENG-1AH
Description: 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. The course emphasizes planning, organizing, composing and revising business documents using word processing software for written documents and presentation graphics software to create and deliver professional-level oral reports. Course is designed for students who have college-level writing skills. 54 hours lecture.
Instructor: A Smith

BUS-30
Entrepreneurship: Foundations and Fundamentals  3 UNITS
Prerequisite: None
Description: An introductory course designed to explore, identify and evaluate business opportunities with an emphasis on starting and managing a small or existing business: investigating tools and best practices associated with identifying and creating new ventures; explore ways to shape and evaluate the viability of opportunities; understanding key industry factors, market, competitive factors, and customer needs. 54 hours lecture.
Instructor: Staff

HYB  08/26/19  10/19/19  06:30PM  09:40PM  T  WEQW6A
HYB  08/26/19  10/19/19  ONLINE
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.
Instructor: T Wagner

OL  08/26/19  12/14/19  ONLINE
OL  08/26/19  10/19/19  06:30PM  09:40PM  T  WEQW6A
OL  10/21/19  12/14/19  ONLINE
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.
Instructor: E Doucette

WE  08/26/19  12/14/19  11:10AM  12:35PM  MW  IT106
The above section is a web-enhanced class. Internet access is required.
Instructor: J Leon

OL  08/26/19  12/14/19  ONLINE
OL  08/26/19  10/19/19  06:30PM  09:40PM  T  WEQW6A
OL  10/21/19  12/14/19  ONLINE
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.
Instructor: P Worsham

WE  08/26/19  12/14/19  11:10AM  12:35PM  TTH  IT127
The above section is a web-enhanced class. Internet access is required.
Instructor: A Smith

OL  08/26/19  12/14/19  ONLINE
OL  08/26/19  10/19/19  07:35PM  09:00PM  T  IT109
OL  08/26/19  12/14/19  ONLINE
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
Instructor: S Schepler

OL  08/26/19  12/14/19  ONLINE
OL  08/26/19  10/19/19  07:35PM  09:00PM  T  IT109
OL  08/26/19  12/14/19  ONLINE
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
Instructor: L White
Instructor: See www.opencampus.com. The above section is a hybrid class. Computer with Internet access required. 08/26/19 12/14/19    ONLINE
37952 Last Day to add: 09/06/19
OL 08/26/19 12/14/19 ONLINE
The above section is restricted to CAVA Online High School students participating in Norco College's Dual Enrollment Program and is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: L White

BUS-47
Applied Business and Management Ethics 3 UNITS
Prerequisite: None
Description: An introduction to the management of business logistics functions including purchasing, inventory management, transportation, warehousing and their related technologies. Focus is on integration of logistics functions to improve overall supply chain customer service and cost performance. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
37109 Last Day to add: 10/29/19
OL 10/21/19 12/14/19 ONLINE
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.
Instructor: D Dokter

BUS-80
Principles of Logistics 3 UNITS
Prerequisite: None
Description: An introduction to the management of business logistics functions including purchasing, inventory management, transportation, warehousing and their related technologies. Focus is on integration of logistics functions to improve overall supply chain customer service and cost performance. 54 hours lecture.
37111 Last Day to add: 10/29/19
OL 10/21/19 12/14/19 ONLINE
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.
Instructor: R Beck

BUS-82
Freight Claims 1.5 UNITS
Prerequisite: None
Description: A study of loss avoidance and mitigation in transit and of the preparation, filing, and resolution. 27 hours lecture. (Letter Grade, or Pass/No Pass option.)
37114 Last Day to add: 09/03/19
OL 08/26/19 10/19/19 ONLINE
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.
Instructor: C Pentis

BUS-83
Contracts 1.5 UNITS
Prerequisite: None
Description: A study of the legal and regulatory requirements applicable to contracts for product transportation and logistics functions and considerations for drafting and negotiating contracts with freight carriers, warehouses and other logistics service providers. 27 hours lecture. (Letter Grade, or Pass/No Pass option.)
37113 Last Day to add: 09/03/19
OL 08/26/19 10/19/19 ONLINE
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.
Instructor: C Pentis

BUS-86
Transportation and Traffic Management 3 UNITS
Prerequisite: None
Description: A study of the freight transportation system including the demand for freight movement, laws, regulations, pricing, and policies, traffic management and international transportation issues. Focuses on how transportation collaborates with other supply chain functions to optimize cost and customer service. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
37111 Last Day to add: 09/03/19
OL 08/26/19 10/19/19 ONLINE
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Instructor: C Pentis

BUS-87
Purchasing and Supply Management 3 UNITS
Prerequisite: None
Description: Study of the purchasing and supply manager's responsibilities including the identification, acquisition, positioning and management of materials, services and equipment that organizations needs to attain their goals. Emphasis is on decision making, integration with suppliers, critical internal relationships, and customer (end user) service. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
37115 Last Day to add: 09/03/19
OL 08/26/19 10/19/19 ONLINE
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Instructor: R Beck

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! https://www.bkstr.com/norcocollegestore/
BUS-90
International Logistics 3 UNITS
Prerequisite: None
Description: An introduction to the role of logistics in global business; including the economic and service characteristics of international transportation providers, the government’s role, documentation and terms of sale used in global business, and the fundamentals of effective export and import management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
37116 Last Day to add: 10/29/19
OL 10/21/19 12/14/19 ONLINE
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.
Instructor: R Beck

COMPUTER APPLICATIONS/OFFICE

CAT-3
Computer Applications for Business 3 UNITS
Prerequisite: None
Description: This course introduces a suite of computer applications to students preparing to enter business, and office professions. Individuals who are already established in these professions may also benefit from skills emphasized which include: use of basic operating system functions, file management, word processing, spreadsheets, database management, and presentation graphics. 54 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)
37117 Last Day to add: 09/03/19
HYB 08/26/19 10/18/19 08:00AM 02:30PM F CACT2
08/26/19 10/18/19 ONLINE
08/30/19 10/18/19 ONLINE
OL 08/26/19 10/18/19 08:00AM 02:30PM F LIBR121
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Designated laboratory hours are to be completed online. Please note the start and end dates.
Instructor: C McConnell-Freeman

CAT-80
Word Processing: Microsoft Word for Windows (same As Cis-80) 3 UNITS
Prerequisite: None
Advisory: CAT-51
Description: Develops introductory through advanced skills to format documents using Microsoft Word. Students create flyers, letters, memos, reports and office documents. Topics include mail merge and table basics and introduces advanced features and text editing tools of Microsoft Word. Students create reference documents, online forms and newsletters. Topics may include the use of macros and collaboration and integration tools. 54 hours lecture and 18 hours laboratory. (TBA Option)
38105 Last Day to add: 09/06/19
OL 08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, will be completed online.
Instructor: C McConnell-Freeman

CAT-93
Computers for Beginners 3 UNITS
Prerequisite: None
Description: This course is designed as a practical step-by-step introduction to computer literacy topics including computer hardware and software, application skills, the Internet and Internet searching, Web page creation and computer ethics. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)
37119 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 09:00AM 12:10PM F ATEC118
08/26/19 12/14/19 12:20PM 01:10PM F ATEC118
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
Instructor: R Finley

CAT-98A
Introduction to Excel (same As Cis-98a) 1.5 UNITS
Prerequisite: None.
Description: Introductory spreadsheet development using Microsoft Excel for business and scientific related applications. The course covers introductory through intermediate spreadsheet development. 27 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)
38111 Last Day to add: 09/03/19
OL 08/26/19 10/19/19 ONLINE
08/26/19 10/19/19 ONLINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, will be completed online. Please note the start and end dates.
Instructor: B Fuller

CHEMISTRY

CHE-1A
General Chemistry, I 5 UNITS
Prerequisite: CHE-2A or CHE-3 and MAT-35
Description: The student will explore simple chemical systems, their properties and how they can be investigated and understood in terms of stoichiometry, gas laws, elementary thermodynamics, atomic structure and bonding. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1A and CHE-1AH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)
37124 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 07:35AM 09:00AM MW ATEC205
08/26/19 12/14/19 11:00AM 02:10PM MW HUM208
The above section is a web-enhanced class. Internet access is required.
Instructor: A Efron T Hogenauer
37844 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 11:00AM 12:25PM MW LIBR121
08/26/19 12/14/19 07:30AM 10:40AM MW HUM208
The above section is a web-enhanced class. Internet access is required.
Instructor: S Johnson J Tyler
Instructor: W Cui

CHE-1B
General Chemistry, II
Prerequisite: CHE-1A or CHE-1AH
Description: Continued exploration of the principles of chemistry with emphasis on kinetics, thermodynamics, acid-base theory, equilibrium and electrochemistry. Special topics from descriptive inorganic chemistry, nuclear chemistry and introductory organic chemistry. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1B and CHE-1BH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

Instructor: J Tyler

CHE-2A
Introductory Chemistry, I
Prerequisite: MAT-52
Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

Instructor: E Wen

CHE-1A
Organic Chemistry I
Prerequisite: CHE-1B or CHE-1BH
Description: A discussion of aliphatic hydrocarbons that focuses on their structure, reactivity, methods of synthesis, physical properties, and reaction mechanisms. Laboratory work emphasizes techniques used to identify, separate, and purify substances. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

Instructor: V Lee
CHE-12B
Organic Chemistry, II  5 UNITS
Prerequisite: CHE-12A
Description: Continues discussion based on the content of CHE12A. Develops a detailed study of nucleophilic and elimination reactions from a mechanistic viewpoint. Aliphatic and aromatic chemistry will be fully integrated throughout CHE-12B. Considerable emphasis on synthesis. Laboratory includes techniques of syntheses, separation, and identification of several compounds, and an introduction to qualitative organic analysis. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)
37122  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  02:00PM  03:25PM  TTH  STEM301
08/26/19  12/14/19  09:30AM  12:40PM  TTH  HUM208
The above section is a web-enhanced class. Internet access is required.
Instructor: S Tyler

CHINESE

CHI-1
Chinese 1  5 UNITS
PREREQUISITE: None.
Description: Develops basic skills in listening, reading, speaking and writing. Emphasis on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Mandarin Chinese at the beginning level. Includes discussion of Chinese culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)
37985  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  02:00PM  05:00PM  T  LIBR110
08/26/19  12/14/19  02:00PM  04:55PM  TH  LIBR110
08/26/19  12/14/19  04:10PM  05:00PM  TH  LIBR110
The above section is a web-enhanced class. Internet access is required.
Instructor: E Lee
37986  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  06:20PM  09:30PM  M  LIBR110
08/26/19  12/14/19  06:20PM  08:25PM  W  LIBR110
08/26/19  12/14/19  08:30PM  09:20PM  W  LIBR110
The above section is a web-enhanced class. Internet access is required.
Instructor: C Dealba-Yount

COMPUTER INFORMATION SYSTEMS

CIS-1A
Intro to Comp Info Sys  3 UNITS
Prerequisite: None.
Description: 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.
37143  Last Day to add: 09/06/19
OL  08/26/19  12/14/19  ONLINE
08/26/19  12/14/19  ONLINE
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.
Instructor: C Brotherton
37144  Last Day to add: 09/06/19
OL  08/26/19  12/14/19  ONLINE
08/26/19  12/14/19  ONLINE
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.
Instructor: C Brotherton
37145  Last Day to add: 09/06/19
OL  08/26/19  12/14/19  ONLINE
08/26/19  12/14/19  ONLINE
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.
Instructor: C Brotherton
37146  Last Day to add: 09/06/19
OL  08/26/19  12/14/19  ONLINE
08/26/19  12/14/19  ONLINE
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.
Instructor: C Brotherton
37141  Last Day to add: 09/06/19
HYB  08/26/19  12/14/19  08:00AM  09:25AM  MW  ATEC118
08/26/19  12/14/19  ONLINE
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
Instructor: J Coverdale
37147  Last Day to add: 09/06/19
HYB  08/26/19  12/14/19  09:40AM  11:05AM  T  IT127
08/26/19  12/14/19  ONLINE
08/26/19  12/14/19  ONLINE
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.
Instructor: C Brotherton
CIS-3

Computer Applications for Business

3 UNITS

Prerequisite: None.

Description: Introductory to intermediate concepts covering Windows operating system, file management, and various aspects of typical office applications for business and office professionals. (Same as BUS/CAT-3)

Instructor: J Coverdale

37139 Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 06:00PM 09:10PM M ATEC118
08/26/19 12/14/19 02:30PM 05:35PM TH ATEC118
08/26/19 12/14/19 04:10PM 05:35PM MW ATEC118
08/26/19 12/14/19 08:00AM 11:00AM F CACT2

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.

Instructor: C McConnell-Freeman

38016 Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 09:40AM 11:05AM TH IT127
08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE

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.

Instructor: C Brotherton

37142 Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 02:30PM 03:55PM T ATEC118
08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE

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.

Instructor: J Coverdale

37015 Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 02:30PM 03:55PM TH ATEC118
08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE

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.

Instructor: M Chapman

CIS-5

Programming Concepts and Methodology I: C++

4 UNITS

Prerequisite: None

Advisory: CIS-1A

Description: Introduction to the discipline of computer science incorporating problem definitions, algorithm development, and structured programming logic for business, scientific and mathematical applications. The C++ language will be used for programming problems. 54 hours lecture and 54 hours laboratory.

37149 Last Day to add: 09/06/19
HYBO 08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 09:15AM 12:25PM M STEM115

The above section is a hybrid class and has an 54-hour lecture to be completed online. Computer with Internet access required. See www.opencampus.com.

Instructor: J Coverdale

37150 Last Day to add: 09/06/19
HYBO 08/19/19 11/27/19 ONLINE
08/19/19 11/27/19 09:00AM 12:00PM TH INTLINTL

The above section is a hybrid class intended for students in the Study Abroad Program. Internet access is required. For more information, please contact Study Abroad at 951-222-8160.

Instructor: J Coverdale

38073 Last Day to add: 09/02/19
HYBO 08/19/19 11/27/19 ONLINE
08/19/19 11/27/19 02:20PM 03:45PM MW ATEC118

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

Instructor: A Rainey

37153 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:00PM 09:10PM T STEM115
08/26/19 12/14/19 08:00AM 11:00AM F CACT2

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

Instructor: C McConnell-Freeman

38016 Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 09:40AM 11:05AM TH IT127
08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE

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.

Instructor: C Brotherton

37142 Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 02:30PM 03:55PM T ATEC118
08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE

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.

Instructor: J Coverdale

37015 Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 02:30PM 03:55PM TH ATEC118
08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE

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.

Instructor: M Chapman

CIS-3

Computer Applications for Business

3 UNITS

Prerequisite: None.

Description: Introductory to intermediate concepts covering Windows operating system, file management, and various aspects of typical office applications for business and office professionals. (Same as BUS/CAT-3)

Instructor: J Coverdale

37139 Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 06:00PM 09:10PM M ATEC118
08/26/19 12/14/19 02:30PM 05:35PM TH ATEC118
08/26/19 12/14/19 04:10PM 05:35PM MW ATEC118
08/26/19 12/14/19 08:00AM 11:00AM F CACT2

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. Designated laboratory hours are to be completed online. Please note the start and end dates.

Instructor: C McConnell-Freeman
CIS-7

Discrete Structures

Prerequisite: CIS/CSC-5

Description: This course is an introduction to the discrete structures used in Computer Science with an emphasis on their applications. Topics covered include: Functions, Relations and Set; Basic Logic; Proof Techniques; Basics of Counting; Graphs and Trees; and Discrete Probability. 54 hours lecture and 18 hours laboratory (TBA option).

37156  Last Day to add: 09/06/19
WE 08/26/19 12/14/19 05:50PM 09:00PM W ATEC118
08/26/19 12/14/19 09:10PM 10:00PM W ATEC118

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

Instructor: W Herrera

CIS-12

PHP Dynamic Web Site Programming (same as Csc-12)

Prerequisite: None

Advisory: CIS/CSC-5 and CIS-72A and CIS/CSC-14A

Description: Dynamic web site programming using PHP. Fundamentals of server-side web programming. Introduction to database-driven web sites, using PHP to access a database such as MySQL. Web applications such as user registration, content management, and e-commerce. This course is intended for students already familiar with the fundamentals of programming and HTML. 54 hours lecture and 18 hours laboratory. (TBA Lab) (Letter Grade, or Pass/No Pass option.)

38106  Last Day to add: 09/06/19
WE 08/26/19 12/14/19 11:10AM 12:35PM MW STEM125
08/26/19 12/14/19 12:45PM 01:35PM W STEM125

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

Instructor: Staff

CIS-17A

Programming Concepts and Methodology II: C++ (same as Csc-17A)

Prerequisite: CIS/CSC-5

Description: The application of software engineering techniques to the design and development of large programs; data abstraction, structures, and associated algorithms. A comprehensive study of the syntax and semantics of the C++ language and the methodology of Object-Oriented program development. 54 hours lecture and 18 hours laboratory. (TBA option)

38108  Last Day to add: 09/06/19
WE 08/26/19 12/14/19 10:35AM 12:40PM M ATEC118
08/26/19 12/14/19 10:35AM 11:25AM W ATEC118
08/26/19 12/14/19 11:40AM 12:30PM W ATEC118

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

Instructor: A Rainey

CIS-17B

C++ Programming: Advanced Objects

Prerequisite: None

Advisory: CIS/CSC-17A

Description: This is an advanced C++ programming course for students familiar with object-oriented programming and utilization of basic graphical interface techniques. An emphasis will be placed on advanced concepts associated with complex business and gaming applications that utilize exception handling, multithreading, multimedia, and database connectivity. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37832  Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 06:00PM 09:10PM M STEM115
08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE

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.

Instructor: W Herrera

CIS-17C

C++ Programming: Data Structures

Prerequisite: None

Advisory: CIS/CSC-17A

Description: This course offers a thorough presentation of the essential principles and practices of data structures using the C++ programming language. The course emphasizes abstract data types, software engineering principles, lists, stacks, queues, trees, graphs, and the comparative analysis of algorithms. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

38088  Last Day to add: 09/06/19
OL 08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE

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

Instructor: J Ruiz

CIS-18A

Java Programming: Objects

Prerequisite: None

Advisory: CIS/CSC-5

Description: An introduction to Java programming for students already experienced in the fundamentals of programming. An emphasis will be placed upon object-oriented programming. Other topics include graphical interface design and typical swing GUI components. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

37818  Last Day to add: 09/06/19
WE 08/26/19 12/14/19 05:45PM 08:55PM TH ATEC118
08/26/19 12/14/19 09:00PM 09:55PM TH ATEC118

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

Instructor: J Oconnor
## CIS-18C
### Java Programming: Data Structures
**Prerequisite:** None
**Advisory:** CIS/CSC-18A
Description: This course is designed to be an advanced Java programming course for students familiar with object-oriented programming and database concepts. The major emphasis will be related to concepts of storing and retrieving data efficiently, which are the essential principles, and practices of data structures. 54 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

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

**Instructor:** J Oconnor

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## CIS-66
### Web Development I
**Prerequisite:** None.
Description: 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.

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

**Instructor:** W Manges

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## CIS-78A
### Introduction to Adobe Photoshop (same As Cat-78a)
**Prerequisite:** None
Description: Introduction to Adobe Photoshop including mastery of digital image editing, selections, photo correction, image improvement, and vector drawing. Additional instruction in these skills: type manipulation, special effects, color correction, and web page illustrations. 54 hours lecture and 18 hours laboratory. (TBA option). (Letter Grade only)

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<th>Days</th>
<th>Time</th>
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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.

**Instructor:** A Johnson

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## CIS-79
### Intro Adobe Illustrator
**Prerequisite:** None.
Description: Fundamentals of Adobe Illustrator including creating objects, drawing paths, designing with type and working with graphics. (Same as CAT-79)

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<th>Section</th>
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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.

**Instructor:** J Oconnor

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## CIS-80
### Word Processing: Microsoft Word for Windows
**Prerequisite:** None
**Advisory:** Typing knowledge/skills with at least 40 wpm
Description: Develops introductory through advanced skills to format documents using Microsoft Word. Students create fliers, letters, memos, reports and office documents. Topics include mail merge and table basics and introduces advanced features and text editing tools of Microsoft Word. Students create reference documents, online forms and newsletters. Topics may include the use of macros and collaboration and integration tools. 54 hours lecture and 18 hours laboratory. (TBA Option) (Same as CAT-80)

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<th>Section</th>
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The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, will be completed online.

**Instructor:** B Kenney

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## CIS-93
### Computers for Beginners
**Prerequisite:** None
Description: This course is designed as a practical step-by-step introduction to computer literacy topics including computer hardware and software, application skills, the Internet and internet searching, Web page creation and computer ethics. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

<table>
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<tr>
<th>Section</th>
<th>Days</th>
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<td>37160</td>
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The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

**Instructor:** R Finley
CIS-98A
Introduction to Excel  
**1.5 UNITS**

**Prerequisite:** None.

Description: Introductory spreadsheet development using Microsoft Excel for business and scientific related applications. The course covers introductory through intermediate spreadsheet development. 27 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.) (Same as CAT-98A)

37163  Last Day to add: 09/03/19
OL 08/26/19 10/20/19  
08/26/19 10/20/19  ONLINE

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, will be completed online. Please note the start and end dates.

**Instructor:** B Fuller

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COMMUNICATION STUDIES

COM-1

Public Speaking  
**3 UNITS**

**Prerequisite:** None.

**Advisory:** COM-51 and qualification for ENG-1A

Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

37173  Last Day to add: 10/29/19
HYB 10/21/19 12/14/19 07:30AM 10:40AM  F  IT210  
10/21/19 12/14/19  ONLINE

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.

**Instructor:** M Lewis

37174  Last Day to add: 09/06/19
WE 08/26/19 12/14/19 07:35AM 09:00AM  MW  IT210

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

**Instructor:** F Shibley

38083  Last Day to add: 09/06/19
LEC 08/26/19 12/14/19  08:00AM 11:10AM  T  CRCRCUL3

The above class is part of Norco College’s Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

**Instructor:** Staff

38084  Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 08:30AM 11:30AM  F  CRCRCUCL609A

The above class is part of Norco College’s Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

**Instructor:** Staff

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<table>
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<tr>
<th>Course</th>
<th>Type</th>
<th>Start Date</th>
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<th>Days</th>
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<th>Location</th>
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<tr>
<td>37164</td>
<td>HYB</td>
<td>08/26/19</td>
<td>12/14/19</td>
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<td>37176</td>
<td>HYB</td>
<td>08/26/19</td>
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<td>37167</td>
<td>HYB</td>
<td>08/26/19</td>
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<td>08/26/19</td>
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<td>37170</td>
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<td>37165</td>
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<td>C Hylton</td>
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</tbody>
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HYB - Hybrid Lecture  •  HYBL - Hybrid Lab  •  HYBLO - Hybrid Online Lab  •  HYBO - Hybrid Online Lecture  •  LAB - Lab  •  LEC - Lecture  •  OL - Online Lecture  •  OLL - Online Lab  •  WE - Web Enhanced Lecture  •  WEL - Web Enhanced Lab  •  WRK - Work Experience Lecture  •  WRKH - Hybrid Work Experience  •  WRKO - Work Experience Online

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! [https://www.bkstr.com/norcocollegestore/](https://www.bkstr.com/norcocollegestore/)
COM-6
Dynamics of Small Group Communication  3 UNITS
Prerequisite: None
Description: Principles of communication in a variety of group contexts. Theory, application, and evaluation of group communication processes, including problem solving, conflict management, decision-making, and leadership. Oral group presentations required. Students will speak formally as part of a group for a minimum of 20 semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
Instructor: L Tat

COM-9
Interpersonal Communication  3 UNITS
Prerequisite: None
Description: Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
Instructor: B Rihan

HYB 09/07/19 12/14/19 08:00AM 10:00AM $  IT108
09/07/19 12/14/19  ONLINE
The above section is a short term hybrid class and will only meet on the following dates: 9/7/2019, 9/21/2019, 10/5/2019, 10/19/2019, 11/2/2019, 11/16/2019 and 12/14/2019. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: A Olaerts

COM-3
Argumentation and Debate  3 UNITS
Prerequisite: None
Description: An examination of argumentation and debate including a systematic approach to the process of debate, theories of argumentation as related to topic analysis, research, case construction, refutation/rebuttals, cross-examination, utilization of sound reasoning, fallacies in reasoning, and the importance of ethical behavior in debate. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
Instructor: E Romero

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

HYB 09/07/19 12/14/19 10:30AM 12:30PM $  IT108
09/07/19 12/14/19  ONLINE
The above section is a short term hybrid class and will only meet on the following dates: 9/7/2019, 9/21/2019, 10/5/2019, 10/19/2019, 11/2/2019, 11/16/2019 and 12/14/2019. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: D Romo
COM-11

**Storytelling**  

3 UNITS  

**Prerequisite:** None  

**Advisory:** COM-51 and qualification for ENG-1A  

Description: A study of the history, theory, and practice of the oral art of storytelling. The historical and current practice of the oral tradition of both prose and poetry will be covered using a multicultural perspective. Students will research, prepare, and perform stories from a variety of genres and cultures. Oral presentations required. 54 hours lecture. (Letter Grade or Pass/No Pass option.)

**Instructor:** Staff  

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

**Instructor:** R Stinson

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

**Instructor:** K Dhaliwal

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The above section is a hybrid class. Computer with Internet access required.

**Instructor:** J Muto

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<td>IT210 ONLINE</td>
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</table>

The above section is a hybrid class. Computer with Internet access required.

**Instructor:** J Muto

**CONSTRUCTION TECHNOLOGY**

**CON-60**

**Introduction to Construction**  

3 UNITS  

**Prerequisite:** None  

Description: This course will provide an overview of the basic concepts of construction, including city and regional planning, managing, contracting, designing, engineering, estimating, bidding, inspection, and production work normally associated with construction. An overview of how building codes affect the design, materials and methods of constructing buildings and other projects. Students will be expected to participate in several field trips. 54 hours lecture.

<table>
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<tr>
<th>Course Code</th>
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<td>09/06/19</td>
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Thomas

**CON-61**

**Materials of Construction**  

3 UNITS  

**Prerequisite:** None  

Description: An introduction to the materials used in the construction of buildings; identification of materials, their properties and uses. The characteristics and properties of such materials such as concrete, steel, timber, masonry, plaster, roofing and all other structural and ornamental materials. 54 hours lecture. (Letter grade only)

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

**Instructor:** P Link
CON-65
Plumbing Code
3 UNITS
Prerequisite: None
Description: Review of plumbing codes including discussion and analysis of the application of physical laws in development of the code requirements. 54 hours lecture. (Letter grade only)
37200 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:30PM 09:40PM TH IT122
The above section is a web-enhanced class. Internet access is required.
Instructor: J Thomas

CON-66
National Electrical Code
3 UNITS
Prerequisite: None
Description: Review of electrical codes including discussion and analysis of the application of physical laws in development of the code requirements. 54 hours lecture. (Letter grade only)
37201 Last Day to add: 10/26/19
WE 10/22/19 12/12/19 02:00PM 05:20PM T TH ATEC119
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: Staff

CON-68
Simplified Engineering for Building Inspectors
3 UNITS
Prerequisite: None
Description: Introduction to basic engineering. Fundamental static and stress formulae. Shear and moment diagrams and their applications. Properties of sections and their uses. Design of wood joists, beams, posts and use of tables with practical composite design applications. 54 hours lecture.
37203 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:30PM 09:40PM M IT123
The above section is a web-enhanced class. Internet access is required.
Instructor: J Thomas

CON-70
Soil Tech Fndamentals
3 UNITS
Prerequisite: None
Description: Inspection and testing of soils, their classification and characteristics.
37204 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:30PM 09:40PM T IT122
The above section is a web-enhanced class. Internet access is required.
Instructor: J Thomas

DANCE
DAN-6
Dance Appreciation
3 UNITS
Prerequisite: None
Description: A nontechnical course for the general student leading to the appreciation and understanding of dance as a medium of communication, entertainment, and as an art form. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
37205 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 10:30AM 02:35PM F ATEC114
The above section is a web-enhanced class. Internet access is required.
Instructor: E Goe

DRAFTING
DFT-21
Drafting (same As Ene-21)
3 UNITS
Prerequisite: None.
Description: Fundamentals of mechanical drawing including lettering, instruments, projection, freehand drawing, and auxiliary views.
37207 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 02:30PM 03:55PM M ATEC109
08/26/19 12/14/19 04:05PM 05:30PM M ATEC109
08/26/19 12/14/19 02:30PM 05:40PM W ATEC109
The above section is a web-enhanced class. Internet access is required.
Instructor: F Mirzaei

DFT-22
Engineering Drawing (same As Ene-22)
3 UNITS
Prerequisite: DFT/ENE-21
Advisory: ENE-30
Description: Drafting fundamentals briefly reviewed, geometric construction, orthographic projections, freehand sketching, sectioning, auxiliary views, shop processes, dimensions and tolerances, fasteners, working and pictorial drawings, and as time permits, piping and electrical drawings. 27 hours lecture and 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)
37208 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 02:00PM 03:25PM T ATEC109
08/26/19 12/14/19 03:35PM 05:25PM T ATEC109
08/26/19 12/14/19 02:00PM 05:20PM TH ATEC109
The above section is a web-enhanced class. Internet access is required.
Instructor: F Mirzaei
DFT-27
Technical Communications (same As Ele/ENE-27) 3 UNITS
Prerequisite: None
Description: Procedures for organizing and presenting technical data through informal
and formal documents and presentations. Includes practice in writing memoranda,
letter reports, and formal technical reports. Also includes discussion of personal resume
and preparation of job applications. 54 hours lecture.
37210 Last Day to add: 10/25/19
WE 10/21/19 12/11/19 08:00AM 11:20AM MW IT124
The above section is a short term web-enhanced class. Internet access is required. Please
note the start and end dates.
Instructor: A Johnson
37209
WE 08/26/19 12/14/19 06:00PM 09:10PM T ATEC109
The above section is a web-enhanced class. Internet access is required.
Instructor: A Johnson

DFT-30
Computer Aided Drafting (CAD) (same As Ene-30) 3 UNITS
Prerequisite: None
Advisory: CIS-1A
Description: A two-dimensional computer aided drafting class for drafters. Students will
use an AUTOCAD computer drafting system to develop computer drawn drawings, which
are typical to the various fields of drafting. 27 hours lecture and 90 hours laboratory.
37901 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 11:15AM 12:45PM M ATEC109
08/26/19 12/14/19 12:50PM 02:15PM M ATEC109
08/26/19 12/14/19 11:15AM 02:25PM W ATEC109
The above section is a web-enhanced class. Internet access is required.
Instructor: F Mirzaei
37902
WE 08/26/19 12/14/19 06:00PM 07:25PM M STEM302
08/26/19 12/14/19 07:35PM 09:00PM M STEM302
08/26/19 12/14/19 06:00PM 09:10PM W STEM302
The above section is a web-enhanced class. Internet access is required.
Instructor: A Farmand

DFT-42
Solidworks I (same As Ene-42) 3 UNITS
Prerequisite: None
Advisory: PC computer experience recommended
Description: This course is designed to introduce the student to three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 90 hours of laboratory.
37905 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 08:30AM 09:55AM M IT125
08/26/19 12/14/19 10:05AM 11:30AM M IT125
08/26/19 12/14/19 08:30AM 11:40AM W IT125
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

DFT-42B
Solidworks II (same As Ene-42b) 3 UNITS
Prerequisite: DFT/ENE-42 or prior SolidWorks experience
Description: An advanced course in using the three-dimensional parametric solid-modeling SolidWorks. This course is designed to further 3D parametric solid modeling software techniques learned in SolidWorks I. Students will delve deeper into topics that were introduced in the first SolidWorks course such as extruding, sweeping, lofting, shelling, assemblies, and animation. 27 hours lecture and 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)
37908 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:00PM 07:25PM T IT125
08/26/19 12/14/19 07:35PM 09:40PM T IT125
08/26/19 12/14/19 06:00PM 09:10PM TH IT125
The above section is a web-enhanced class. Internet access is required.
Instructor: F Mirzaei

DFT-51
Blueprint Reading (same As Ene-51) 2 UNITS
Prerequisite: None
Description: A beginning course in the study of blueprints and their interpretation, types
of projection, symbols and abbreviations. This course is designed for students interested
in print reading for the machine trades. 27 hours lecture and 27 hours laboratory.(Letter
Grade, or Pass/No Pass option.)
37211 Last Day to add: 09/01/19
WE 08/26/19 10/16/19 08:00AM 09:30AM MW IT124
08/26/19 10/16/19 09:35AM 11:05AM MW IT124
The above section is a short term web-enhanced class. Internet access is required. Please
note the start and end dates.
Instructor: M Dowlatabadi

DFT-52
Geometric Dimensioning and Tolerancing (same As Ene-52) 2 UNITS
Prerequisite: None
Description: A course presenting the basics of the Standards of Geometric Dimensioning
and Tolerancing. This course will help students read, interpret and use ANSI Y14.5M, the
current standard for drafting. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)
37912 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:00PM 08:05PM W ATEC109
The above section is a web-enhanced class. Internet access is required.
Instructor: G Cordier
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<th>Course Code</th>
<th>Title</th>
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<th>Prerequisite</th>
<th>Description</th>
<th>Instructor</th>
<th>Days and Times</th>
<th>Location</th>
<th>Last Day to Add</th>
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<tr>
<td>EAR-19</td>
<td>Observation and Assessment-ECE</td>
<td>3 UNITS</td>
<td>None</td>
<td>Description: Appropriate use of a variety of assessment and observation strategies to document child development and behavior. The above section is an online class. Computer with Internet access required.</td>
<td>S Sumiati</td>
<td>WE 08/26/19 12/14/19 09:15AM 12:25PM M IT209</td>
<td>ONLINE</td>
<td>09/06/19</td>
</tr>
<tr>
<td>EAR-20</td>
<td>Child Growth and Development</td>
<td>3 UNITS</td>
<td>None</td>
<td>Description: This introductory course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. The above section is a web-enhanced class. Internet access is required.</td>
<td>R Carreon-Bailey</td>
<td>WE 08/26/19 12/14/19 09:00PM 12:00PM TH ATEC109</td>
<td></td>
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<td>EAR-24</td>
<td>Introduction to Curriculum</td>
<td>3 UNITS</td>
<td>None</td>
<td>Description: This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 6. Students will examine a teacher’s role in supporting development and engagement for all young children. This course provides strategies for developmentally-appropriate practice based on observation and assessments across the curriculum, including: academic content areas; play, art, and creativity; and development of social-emotional, communication, and cognitive skills. 54 hours lecture.</td>
<td>S Burnett</td>
<td>WE 08/26/19 12/14/19 06:00PM 12:00PM M IT209</td>
<td>ONLINE</td>
<td>09/06/19</td>
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<td>EAR-25</td>
<td>Teaching in a Diverse Society</td>
<td>3 UNITS</td>
<td>None</td>
<td>Description: Students will examine the development of social identities in a diverse society and consider culturally relevant and linguistically anti-bias approaches to supporting all children become competent members of a diverse society.</td>
<td>L Vazquez</td>
<td>WE 08/26/19 12/14/19 09:00PM 12:00PM T IT209</td>
<td>ONLINE</td>
<td>09/06/19</td>
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<tr>
<td>EAR-26</td>
<td>Health, Safety and Nutrition</td>
<td>3 UNITS</td>
<td>None</td>
<td>Description: A study of health, safety and nutrition factors of importance to the teacher, child and family of the young child. The above section is an online class. Computer with Internet access required.</td>
<td>L Vazquez</td>
<td>WE 08/26/19 12/14/19 09:00PM 12:00PM M IT209</td>
<td>ONLINE</td>
<td>09/06/19</td>
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**EARLY CHILDHOOD EDUCATION**

**EAR-19**

**Observation and Assessment-ECE**

**Prerequisite:** None.

**Description:** Appropriate use of a variety of assessment and observation strategies to document child development and behavior. The above section is an online class. Computer with Internet access required.

**Instructor:** S Sumiati

**Ear-20**

**Child Growth and Development**

**Prerequisite:** None.

**Description:** This introductory course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. The above section is a web-enhanced class. Internet access is required.

**Instructor:** R Carreon-Bailey

Norco College's Dual Enrollment Program. The above section is a web-enhanced class. Internet access is required.

**Instructor:** L Vazquez

**EAR-24**

**Introduction to Curriculum**

**Prerequisite:** None.

**Description:** This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 6. Students will examine a teacher's role in supporting development and engagement for all young children. This course provides strategies for developmentally-appropriate practice based on observation and assessments across the curriculum, including: academic content areas; play, art, and creativity; and development of social-emotional, communication, and cognitive skills. 54 hours lecture.

**Instructor:** S Burnett

**EAR-25**

**Teaching in a Diverse Society**

**Prerequisite:** None.

**Description:** Students will examine the development of social identities in a diverse society and consider culturally relevant and linguistically anti-bias approaches to supporting all children become competent members of a diverse society.

**Instructor:** L Vazquez

**EAR-26**

**Health, Safety and Nutrition**

**Prerequisite:** None.

**Description:** A study of health, safety and nutrition factors of importance to the teacher, child and family of the young child.

**Instructor:** L Vazquez
EA-28
Principles and Practices of Teaching Young Children

3 UNITS
Prerequisite: None
Description: An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all young children. Includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics, and professional identity. 54 hours lecture.

37804  Last Day to add: 09/06/19
OL  08/26/19  12/14/19 ONLINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: S Burnett

EA-33
Infant and Toddler Development

3 UNITS
PREREQUISITE: None.
A study of infants and toddlers development from pre-conception to age three. PRE-REQUISITE: None.
37805  Last Day to add: 09/06/19
WE 08/26/19  12/14/19  02:00PM 05:10PM  T  IT209
The above section is a web-enhanced class. Internet access is required.
Instructor: L Vazquez

EA-41
Practicum in Early Intervention/Special Education

4 UNITS
Prerequisite: EAR-28 EAR-24 EAR-42 EAR-20
Advisory: EAR-40 or EAR-46
Description: This course provides students with hands-on experience working with infants, toddlers and young children with special needs in a variety of early intervention and educational settings, including natural environments, self-contained and fully-included early childhood classrooms. It integrates learned theoretical models to real-life situations and affords students opportunities for supervised practice as an assistant in an early childhood special education setting, home visiting program or as an early intervention support person in a general education classroom. 36 hours lecture and 108 hours laboratory. (TBA option)

37230  Last Day to add: 09/06/19
WE 08/26/19  12/14/19  02:30PM 03:55PM  MW IT209
The above section is a web-enhanced class. Internet access is required.
Instructor: M Adams

EAR-28
Principles and Practices of Teaching Young Children

3 UNITS
Prerequisite: None
Description: An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all young children. Includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics, and professional identity. 54 hours lecture.

37804  Last Day to add: 09/06/19
OL  08/26/19  12/14/19 ONLINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: S Burnett

EA-33
Infant and Toddler Development

3 UNITS
PREREQUISITE: None.
A study of infants and toddlers development from pre-conception to age three. PRE-REQUISITE: None.
37805  Last Day to add: 09/06/19
WE 08/26/19  12/14/19  02:00PM 05:10PM  T  IT209
The above section is a web-enhanced class. Internet access is required.
Instructor: L Vazquez

EA-41
Practicum in Early Intervention/Special Education

4 UNITS
Prerequisite: EAR-28 EAR-24 EAR-42 EAR-20
Advisory: EAR-40 or EAR-46
Description: This course provides students with hands-on experience working with infants, toddlers and young children with special needs in a variety of early intervention and educational settings, including natural environments, self-contained and fully-included early childhood classrooms. It integrates learned theoretical models to real-life situations and affords students opportunities for supervised practice as an assistant in an early childhood special education setting, home visiting program or as an early intervention support person in a general education classroom. 36 hours lecture and 108 hours laboratory. (TBA option)

37230  Last Day to add: 09/06/19
WE 08/26/19  12/14/19  02:30PM 03:55PM  MW IT209
The above section is a web-enhanced class. Internet access is required.
Instructor: M Adams

EAR-42
Child, Family, and Community

3 UNITS
Prerequisite: None.
Description: 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.
37230  Last Day to add: 09/06/19
WE 08/26/19  12/14/19  02:30PM 03:55PM  MW IT209
The above section is a web-enhanced class. Internet access is required.
Instructor: M Adams

EAR-43
Children with Challenging Behaviors

3 UNITS
Prerequisite: EAR-19 EAR-20
Description: This course provides an overview of the developmental, environmental and cultural factors that impact the behavior of young children, including family stressors, child temperament, violence, attachment disorders, and special needs; and proactive intervention and prevention techniques. Topics include addressing reasons children misbehave, how to carefully observe a child, how to create a positive environment to encourage appropriate behavior, and how to effectively address many types of behaviors including those that are aggressive and antisocial, disruptive, destructive, emotional and dependent. Outside observations required. 54 hours lecture.

37231  Last Day to add: 09/06/19
WE 08/26/19  12/14/19  06:00PM 09:10PM  TH IT209
The above section is a web-enhanced class. Internet access is required.
Instructor: M Adams
ECONOMICS

ECO-4
Intro Economics 3 UNITS
Prerequisite: None.
Description: An entry-level, general education course which introduces and surveys basic macroeconomic and microeconomic principles.
Instructor: C Rajakone
LEC 08/26/19 12/14/19 08:00AM 09:25AM TTH IT109
The above section is a web-enhanced class. Internet access is required.

ECO-7
Principles of Macroeconomics 3 UNITS
Prerequisite: MAT-52
Advisory: MAT-35 and qualification for ENG-1A
Description: Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes aggregate economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.
Instructor: P Boelman
LEC 08/26/19 12/14/19 09:40AM 11:05AM TTH IT109
The above section is a web-enhanced class. Internet access is required.

ELECTRICITY

ELC-72
Commercial and Industrial Electrical Wiring (same As Ele-72) 4 UNITS
Prerequisite: None
Description: Wiring of commercial and industrial buildings including equipment grounding, service grounding, power distribution, conduit types, metal, plastic, flexible, bending and supporting, light distribution and blueprint reading. Hands-on lab experiences are selected to reinforce key theories. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
Instructor: T Childers
LEC 08/26/19 12/14/19 08:00AM 11:10AM MW IT109
LEC 08/26/19 12/14/19 06:30PM 09:40PM W IT109

ELC-73
Electric Motors and Transformers (same As Ele-73) 4 UNITS
Prerequisite: None
Description: Enables electricians to understand and effectively wire most standard DC motors, servos and steppers, as well as many AC motors, including single and poly-phase units, from fractional horsepower to multi-horsepower, industrial giants. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
Instructor: T Childers
LEC 08/26/19 12/14/19 08:00AM 11:10AM MW IT109
LEC 08/26/19 12/14/19 06:30PM 09:40PM W IT109
ELC-74
Industrial Wiring and Controls (same As Ele-74) 4 UNITS
**Prerequisite:** None  
**Course Credit Recommendation:** Degree Credit  
Description:  Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing. Included will be production equipment, conveyor systems, hydraulic and pneumatic controls, power distribution, blueprint reading, electrical control wiring, PLC (programmable logic controller) control wiring, VFD (variable frequency drives) wiring and programming. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

37895  Last Day to add: 10/27/19  
WE 10/21/19 12/13/19  11:25AM  01:30PM  MW  IT124
10/21/19 12/13/19  12:00PM  02:15PM  F  IT124
10/21/19 12/13/19  02:15PM  04:30PM  MW  IT124
10/21/19 12/13/19  02:30PM  04:45PM  F  IT124

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

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ELC-75
Solid State Devices and Lighting Controls (same As Ele-75) 3 UNITS
**Prerequisite:** None  
**Course Credit Recommendation:** Degree Credit  
Description:  Students will learn about solid state device (electronics), sensors, SCR (silicon control rectifier), transistors, proximity and light sensors used in most industrial and commercial installations. Included will be showing students different types of sensors used for controlling motors, conveyors, and lighting devices. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37896  Last Day to add: 09/06/19  
WE 08/26/19 12/14/19  06:00PM  07:25PM  MW  IT124
08/26/19 12/14/19  07:35PM  09:00PM  MW  IT124

The above section is a web-enhanced class. Internet access is required.
**Instructor:** Staff

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ELC-77
Electrical Theory for Electricians (same As Ele/Man-77) 3 UNITS  
(Same as MAN/ELE-77)  
**Prerequisite:** None  
**Course Credit Recommendation:** Degree Credit  
Description:  An introduction to electrical theory, Ohm’s Law, magnetism, electromagnetism, voltage, resistance, current, inductance, capacitance, reactance, impedance, Watts, Volt-Amps, VARs, current control devices, sensors and actuators phase angle, power-factor, transformers, motors, power distribution systems, and proper usage of electrical test equipment (meters). Student will learn concepts of electrical power, energy, Kirchoff’s Laws, along with basic math to solve fundamental electrical problems for both alternating current (A.C.) and direct current (D.C.) circuits. Student will learn basic electrical safety procedures, including the proper use and requirements for personal protective equipment (PPE) -- 36 hours lecture, 54 hours lab. (Letter Grade or Pass/No Pass option)

37898  Last Day to add: 09/06/19  
WE 08/26/19 12/14/19  06:00PM  06:50PM  M  ATEC119
08/26/19 12/14/19  06:00PM  07:05PM  W  ATEC119
08/26/19 12/14/19  07:15PM  08:40PM  MW  ATEC119

The above section is a web-enhanced class. Internet access is required.
**Instructor:** K Rad

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ELE-10
Survey Electronics 4 UNITS  
**Prerequisite:** None  
**Course Credit Recommendation:** Degree Credit  
Description:  Basic electronic theory including electron theory, Ohm’s Law, DC, AC, vacuum tube and solid state devices, antenna principles, power supplies, amplifiers, RF oscillators, amplitude and frequency modulation, diode detection and superheterodyne receivers, and test equipment operation (emphasis on voltmeter and oscilloscope operation). 54 hours lecture and 54 hours laboratory.  

37887  Last Day to add: 09/01/19  
WE 08/26/19 10/16/19  11:35AM  02:55PM  MW  ATEC119
08/26/19 10/16/19  03:45PM  06:25PM  MW  ATEC119

The above section is a short-term web-enhanced class. Internet access is required. Please note start and end dates.
**Instructor:** G Graham

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ELE-11
DC Electronics 4 UNITS  
**Prerequisite:** None  
**Course Credit Recommendation:** Degree Credit  
Description:  Basic DC electrical theory, devices, circuits and applications including resistors, capacitors, coils and motors.  

37240  Last Day to add: 09/06/19  
WE 08/26/19 12/14/19  10:00AM  12:50PM  TH  ATEC119
08/26/19 12/14/19  10:00AM  10:50AM  T  ATEC119
08/26/19 12/14/19  11:00AM  12:25PM  TH  ATEC119

The above section is a web-enhanced class. Internet access is required.
**Instructor:** G Graham

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ELE-27
Technical Communications 3 UNITS  
**Prerequisite:** None  
**Course Credit Recommendation:** Degree Credit  
Description:  Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.  

37242  Last Day to add: 10/25/19  
WE 10/21/19 12/11/19  08:00AM  11:20AM  MW  IT124

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

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ELE-24
Technical Communications 3 UNITS  
**Prerequisite:** None  
**Course Credit Recommendation:** Degree Credit  
Description:  Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.  

37241  Last Day to add: 09/06/19  
WE 08/26/19 12/14/19  06:00PM  09:10PM  T  ATEC109

The above section is a web-enhanced class. Internet access is required.
**Instructor:** A Johnson
ELE-64
Programmable Logic Controllers 3 UNITS
Prerequisite: None
Advisory: ELE-10 or ELE-11
Description: Fundamentals of programmable logic controllers, with an emphasis on introductory programming of PLCs. Problem analysis with solutions that integrate programming formats, auxiliary commands and functions, common programming languages, and popular software programs used with PLCs. Installation, maintenance, troubleshooting and repair are inherent components. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
Instructor: P Van Hulle

ELE-72
Commercial and Industrial Electrical Wiring (same As Elc-72) 4 UNITS
Prerequisite: None
Description: Wiring of commercial and industrial buildings including equipment grounding, service grounding, power distribution, conduit types, metal, plastic, flexible, bending and supporting, light distribution, and blueprint reading. Hands-on lab experiences are selected to reinforce key theories. 54 hours lecture and 54 hours laboratory.
Instructor: T Childers

ELE-73
Electric Motors and Transformers (same As Elc-73) 4 UNITS
Prerequisite: None
Description: Enables electricians to understand and effectively wire most standard DC motors, servos and steppers, as well as many AC motors, including single and poly-phase units, from fractional horsepower to multi-horsepower, industrial giants. 54 hours lecture and 54 hours laboratory.
Instructor: T Childers

ELE-74
Industrial Wiring and Controls (same As Elc-74) 4 UNITS
Prerequisite: None
Description: Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing. Included will be production equipment, conveyor systems, hydraulic and pneumatic controls, power distribution, blueprint reading, electrical control wiring, PLC (programmable logic controller) control wiring, VFD (variable frequency drives) wiring and programming. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option)

ELE-75
Solid State Devices Lighting Controls (same As Elc-75) 3 UNITS
Prerequisite: None.
Description: Learn to integrate electronic devices into electrical systems.
Instructor: G Graham

ELE-77
Electrical Theory (same As Elc/Man-77) 3 UNITS
Prerequisite: None.
Description: This course introduces students to electrical theory, Ohm's Law, magnetism, voltage inductance, capacitance, units of electric measurement, and proper usage of electrical test equipment (meters). Student will learn concepts of electrical energy, Kirchoff's law, Norton's and Thevenin's theorems, algebraic and trigonometric requirements to solve electrical problems for both (A/C) alternating current and (D/C) direct current circuits. Student will learn basic electrical safety procedures, including the proper usage and requirement of (PPE) personal protection equipment. 54 hours lecture. (Letter Grade or Pass/No Pass option.)
Instructor: K Rad
ELE-400
Introduction to the Electrical Trades And Construction Safety (same As Elc-400) 3.5 UNITS

Prerequisite: None

Limitation on enrollment: Student is a registered State indentured apprentice

Description: Focusing on electrical trades, students will examine safety issues surrounding construction job-sites and installation of electrical systems. Includes OSHA 10 Construction certification training, identification of job-site hazards, safe work practices and personal protective equipment for various construction site hazards. Care for breathing and cardiac emergencies along with basic first aid and automatic external defibrillator (AED) training for use on both adults and children. Substance abuse will be addressed. Basic math operations will be reviewed and reinforced. 45 hours lecture and 54 hours laboratory.

Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 08:00AM 09:10AM MW JACT2
LEC 08/26/19 12/14/19 04:20PM 05:45PM MW JACT2

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. (909) 890-1703.

Instructor: P Conway

ELE-402
Advanced DC Circuit Concepts, Introduction to 3-Phase AC Circuits, Test Equipment, and National Electric Code Applications (same As Elc-402) 3.5 UNITS

Prerequisite: None

Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Electrician circuit analysis techniques, series, parallel, and combination DC circuits, test equipment, National Electric Code (NEC), and elementary 3-Phase AC circuits will be introduced. 45 hours lecture and 54 hours laboratory.

Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 03:00PM 04:10PM TTH JACT3
LEC 08/26/19 12/14/19 04:20PM 05:45PM TTH JACT3

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. (909) 890-1703.

Instructor: J Bachtel

ELE-404
Digital Logic Circuits, Conductor Characteristics, Applications, and National Electric Code (NEC) (same As Elc-404) 3.5 UNITS

Prerequisite: None

Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Digital logic concepts and their real-world application. Electrician identification, selection, and installation of electrical conductors in accordance with National Electric Code (NEC). 45 hours lecture and 54 hours laboratory.

Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 06:00PM 07:10PM TTH JACT3
LEC 08/26/19 12/14/19 07:20PM 08:45PM TTH JACT3

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. (909) 890-1703.

Instructor: T Dillon
ELE-406

Grounding Systems, Advanced Blueprints and Specifications, Motor Design and Installation, and National Electric Code (same As Elc-406)  
3.5 UNITS

Prerequisite: None

Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Advanced concepts for blueprints and specifications. Study of motor design and application and National Electric Code concepts. 45 hours lecture and 54 hours laboratory.

37253  Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 03:00PM 04:10PM MW JACT4
08/26/19 12/14/19 04:20PM 05:45PM MW JACT4

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. (909) 890-1703.

Instructor: Staff

ELEC-408

Transformer Theory, Leadership, Management, and Test Equipment (same As Elc-408)  
3.5 UNITS

Prerequisite: None

Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Explores electrician theory and field application of transformers, test equipment, including management and leadership principles for supervisors, along with special equipment for security systems for the grid. 45 hours lecture and 54 hours laboratory.

37256  Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 03:00PM 04:10PM TTH JACT5
08/26/19 12/14/19 04:20PM 05:45PM TTH JACT5

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. (909) 890-1703.

Instructor: T Dillon

ELE-420

Introduction to Sound/Communication Trade Industry (same As Elc-420)  
3.5 UNITS

Prerequisite: None

Limitation on enrollment: Student must be a registered State indentured apprentice

Description: An introduction to the sound and communication industry. Students will examine the fundamentals of wiring methods, fastening devices, electrical conductors, circuits, voltage and data communication. Basic math operations will be reviewed and reinforced. Care for breathing and cardiac emergencies along with basic first aid for use on both adults and children. Substance abuse will be addressed. 45 hours lecture and 54 hours laboratory.

37252  Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 06:00PM 07:10PM MW JACT4
08/26/19 12/14/19 07:20PM 08:45PM MW JACT4

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. (909) 890-1703.

Instructor: P Gomber

ELE-422

Electrical Theory and Practices AC (same As Elc-422)  
3.5 UNITS

Prerequisite: None

Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Study of apprenticeship, electrical inductance, capacitance and reactance, including grounded conductors, branch circuits, transformer principles, RCL circuits and filters. 45 hours lecture and 54 hours laboratory.

37259  Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 03:00PM 04:10PM MW JACT8
08/26/19 12/14/19 04:20PM 05:45PM MW JACT8

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. (909) 890-1703.

Instructor: P Gomber
ELE-424
Introduction to Digital Electronics and Signaling Devices
(same As Elc-424) 3.5 UNITS
Prerequisite: None.
Limitation on enrollment: Student must be a registered State indentured apprentice.
Description: Introduction to digital electronic technology and electronic equipment. Instruction includes basic digital systems, binary and decimal numbering systems, decision-making logic circuits, Boolean Algebra, flip-flops, counters, shift registers, encoders, decoders, ROMs, DC to AC converters and organization of these component blocks to accomplish manipulation of data. 45 hours lecture and 54 hours laboratory.
Instructor: Staff

ELE-499
Electrician Apprenticeship Work Experience (same As Elc-499) 1 UNIT
Prerequisite: None.
Limitation on enrollment: Student must be a State indentured apprentice.
Description: This course provides students the opportunity to work in the electricians apprenticeship program for the purpose of developing specific skills to meet the goals and objectives of the electricians Joint Apprenticeship and Training Committee (J.A.T.C.). Students complete work experience hours at approved training sites. Students may take up to 16 units total across all work experience course offerings. This course may be taken up to four times when there are new or expanded learning objectives. Only one work experience course may be taken per semester. 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit.
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. (909) 890-1703.
Instructor: Staff

ENGINEERING

ENE-21
Drafting 3 UNITS
Prerequisite: None.
Description: Fundamentals of mechanical drawing including lettering, instruments, projection, freehand drawing, and auxiliary views.
Instructor: A Johnson

ENE-22
Engineering Drawing 3 UNITS
Prerequisite: ENE-21
Advisory: ENE-30
Description: Drafting fundamentals briefly reviewed, geometric construction, orthographic projections, freehand sketching, sectioning, auxiliary views, shop processes, dimensions and tolerances, fasteners, working and pictorial drawings, and as time permits, piping and electrical drawings. 27 hours lecture and 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)
Instructor: F Mirzaei

ENE-27
Technical Communications 3 UNITS
Prerequisite: None.
Description: Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.
Instructor: A Johnson
ENE-30  
Computer Aided Drafting (CAD)  
Prerequisite: None  
Advisory: PC computer experience recommended  
Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop computer drawn drawings, which are typical to the various fields of drafting. 27 hours lecture and 90 hours laboratory.  

37274  
WE 08/26/19 12/14/19 11:15AM 12:40PM M ATEC109  
08/26/19 12/14/19 12:50PM 02:15PM M ATEC109  
08/26/19 12/14/19 11:15AM 02:25PM W ATEC109  
The above section is a web-enhanced class. Internet access is required.  
Instructor: F Mirzaei  

37275  
WE 08/26/19 12/14/19 06:00PM 07:25PM M STEM302  
08/26/19 12/14/19 07:35PM 09:00PM M STEM302  
08/26/19 12/14/19 06:00PM 09:10PM W STEM302  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A Farmand  

ENE-42  
SolidWorks I  
Prerequisite: None  
Advisory: PC computer experience recommended  
Description: This course is designed to introduce the student to three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 90 hours laboratory.  

37277  
WE 08/26/19 12/14/19 08:30AM 09:55AM M IT125  
08/26/19 12/14/19 10:05AM 11:30AM M IT125  
08/26/19 12/14/19 08:30AM 11:40AM W IT125  
The above section is a web-enhanced class. Internet access is required.  
Instructor: P Van Hulle  

37276  
WE 08/26/19 12/14/19 06:00PM 07:25PM M IT125  
08/26/19 12/14/19 07:35PM 09:00PM M IT125  
08/26/19 12/14/19 06:00PM 09:10PM W IT125  
The above section is a web-enhanced class. Internet access is required.  
Instructor: F Mirzaei  

ENE-42B  
SolidWorks II  
Prerequisite: ENE-42 or prior SolidWorks experience  
Description: An advanced course in using the three-dimensional parametric solid-modeller SolidWorks. This course is designed to further 3D parametric solid modeling software techniques learned in SolidWorks I. Students will delve deeper into topics that were introduced in the first SolidWorks course such as extruding, sweeping, lofting, shelling, assemblies, and animation. 27 hours lecture and 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)  

37280  
WE 08/26/19 10/16/19 11:00AM 02:00PM MW IT124  
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.  
Instructor: G Cordier  

ENE-51  
Blueprint Reading  
Prerequisite: None  
Advisory: ENE-21 or MAT-36  
Description: A beginning course in the study of blueprints and their interpretation, types of projections, sections, symbols and abbreviations. This course is designed for students interested in engineering blueprint reading for the basic mechanical, electrical and machinery trades. 27 hours lecture and 27 hours laboratory. Same as DFT-51. (Letter Grade, or Pass/No Pass option.)  

37279  
WE 08/26/19 10/16/19 08:00AM 09:30AM MW IT124  
08/26/19 10/16/19 09:35AM 11:05AM MW IT124  
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.  
Instructor: M Dowlabadi  

ENE-52  
Geometric Dimensioning and Tolerancing  
Prerequisite: None  
Description: A course presenting the basics of the Standards of Geometric Dimensioning and Tolerancing. This course will help students read, interpret and use ANSI Y14.5M, the current standard for drafting. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)  

37280  
WE 08/26/19 10/16/19 06:00PM 08:05PM W ATEC109  
The above section is a web-enhanced class. Internet access is required.  
Instructor: G Cordier  

ENE-60  
Math for Engineering Technology  
Prerequisite: None.  
Description: A course in mathematical problems frequently used by students enrolled in the trade and industrial and engineering programs. A review of basic arithmetic, linear measurement, basic algebra, basic plane geometry, trigonometry, and compound angles. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)  

37281  
WE 08/26/19 12/14/19 06:00PM 09:10PM TH ATEC109  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A Johnson
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
- 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

ENG-1A

English Composition

Prerequisite: ENG-50 or ENG-80 or qualifying placement level

Description: Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. Classoom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)

37284 Last Day to add: 09/06/19
OL 08/26/19 12/14/19
OL 08/26/19 12/14/19
OL
OL
WE 08/26/19 12/14/19 08:00AM 09:25AM TTH ATEC119
WE 08/26/19 12/14/19 08:00AM 09:25AM TTH ATEC119

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.

Instructor: C Gomez
37318 Last Day to add: 09/03/19
OL 08/26/19 10/19/19
OL 08/26/19 10/19/19
OL
OL
WE 08/26/19 10/19/19 07:20AM 09:25AM MF IT111
WE 08/26/19 10/19/19 07:20AM 09:25AM MF IT111

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online. Please note the start and end dates.

Instructor: T Wallace
37319 Last Day to add: 10/29/19
OL 10/21/19 12/14/19
OL 10/21/19 12/14/19
OL
OL
WE 10/21/19 12/14/19 07:20AM 09:25AM MF IT121
WE 10/21/19 12/14/19 07:20AM 09:25AM MF IT121

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online. Please note the start and end dates.

Instructor: T Wallace
37326 Last Day to add: 09/06/19
OL 08/26/19 12/14/19
OL 08/26/19 12/14/19
OL
OL
WE 08/26/19 12/14/19 07:20AM 09:25AM MF IT111
WE 08/26/19 12/14/19 07:20AM 09:25AM MF IT111

The above section is a web-enhanced class and is linked to ENG 91 37911. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This class must be taken simultaneously with ENG 91 (2 UNITS). In order to enroll in this section of ENG 1A (4 Units), you must first enroll in ENG 91. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-LAB in Web Advisor for available laboratory sections.

Instructor: D Turrubiertes
37324 Last Day to add: 09/06/19
OL 08/26/19 12/14/19 07:20AM 09:25AM T IT111
OL 08/26/19 12/14/19 07:20AM 09:25AM T IT111

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.

Instructor: N Morford
## NORCO COLLEGE
### ENGLISH 1A/91

To enroll in an English 1A section that is paired with an English 91 course, select one of the pairs below and use the course section numbers to sign up. Each section of English 1A is linked to a specific section of English 91, and students must enroll in both (and the WRC-LAB hour for English 1A).

Instructors for each of the sections are listed in the schedule of classes section with the complete list of all English courses.

<table>
<thead>
<tr>
<th>ENG-1A Section</th>
<th>ENG-1A Time</th>
<th>ENG-91 Section</th>
<th>ENG-91 Time</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37891 M/F</td>
<td>7:20 - 9:25 am</td>
<td>37911 W</td>
<td>7:20 - 9:35 am</td>
<td>Staff</td>
</tr>
<tr>
<td>37879 T/Th</td>
<td>9:00 - 11:05 am</td>
<td>37363 W</td>
<td>9:15 - 11:05 am</td>
<td>Staff</td>
</tr>
<tr>
<td>37883 T/Th</td>
<td>10:45 am - 12:50 pm</td>
<td>37906 T/Th</td>
<td>9:30 - 10:35 am</td>
<td>Staff</td>
</tr>
<tr>
<td>37310 T/Th</td>
<td>8:00 - 10:05 am</td>
<td>37909 T/Th</td>
<td>10:15 - 11:20 am</td>
<td>Staff</td>
</tr>
<tr>
<td>37286 M/W/F</td>
<td>9:15 - 10:30 am</td>
<td>37913 M/W</td>
<td>10:40 - 11:45 am</td>
<td>Staff</td>
</tr>
<tr>
<td>37296 T/Th</td>
<td>9:40 - 11:45 am</td>
<td>37360 T/Th</td>
<td>11:55 - 1:00 pm</td>
<td>Staff</td>
</tr>
<tr>
<td>37308 M/W/F</td>
<td>11:15 am - 12:30 pm</td>
<td>37359 M/W</td>
<td>12:40 - 1:45 pm</td>
<td>Staff</td>
</tr>
<tr>
<td>37312 M/W/F</td>
<td>11:15 am - 12:30 pm</td>
<td>37361 M/W</td>
<td>12:40 - 1:45 pm</td>
<td>Staff</td>
</tr>
<tr>
<td>37314 M/W</td>
<td>10:50 am - 12:55 pm</td>
<td>37362 M/W</td>
<td>1:05 - 2:10 pm</td>
<td>Staff</td>
</tr>
<tr>
<td>37300 T/Th</td>
<td>2:00 - 4:05 pm</td>
<td>37910 T/Th</td>
<td>4:15 - 5:20 pm</td>
<td>Staff</td>
</tr>
<tr>
<td>37314 M/W</td>
<td>10:50 am - 12:55 pm</td>
<td>37362 M/W</td>
<td>1:05 - 2:10 pm</td>
<td>Staff</td>
</tr>
<tr>
<td>37310 T/Th</td>
<td>8:00 - 10:05 am</td>
<td>37906 T/Th</td>
<td>9:30 - 10:35 am</td>
<td>Staff</td>
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<tr>
<td>37314 M/W</td>
<td>10:50 am - 12:55 pm</td>
<td>37362 M/W</td>
<td>1:05 - 2:10 pm</td>
<td>Staff</td>
</tr>
<tr>
<td>37308 T/Th</td>
<td>11:15 am - 12:30 pm</td>
<td>37361 M/W</td>
<td>12:40 - 1:45 pm</td>
<td>Staff</td>
</tr>
<tr>
<td>37312 M/W/F</td>
<td>11:15 am - 12:30 pm</td>
<td>37361 M/W</td>
<td>12:40 - 1:45 pm</td>
<td>Staff</td>
</tr>
<tr>
<td>37314 M/W</td>
<td>10:50 am - 12:55 pm</td>
<td>37362 M/W</td>
<td>1:05 - 2:10 pm</td>
<td>Staff</td>
</tr>
</tbody>
</table>
**English Composition at Norco College**

Every student has the right to enroll directly into English 1A without taking English 91. If you would like more information on enrolling directly into English 1A without 91, see the challenge/opt in process at the Counseling Office.

*Note: Research shows that taking even one class below college-level composition (such as English 50) will make it less likely for students to complete English 1A. However, Norco College may offer sections of English 50 for students who wish to opt into this pathway. No students will be placed into English 50 automatically.

**English as a Second Language**

<table>
<thead>
<tr>
<th>Oral Communication</th>
<th>Reading &amp; Vocabulary</th>
<th>Writing &amp; Grammar</th>
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<tbody>
<tr>
<td>ESL-92 Intermediate</td>
<td>ESL-72 Intermediate</td>
<td>ESL-53 Intermediate</td>
</tr>
<tr>
<td>ESL-93** Advanced</td>
<td>ESL-73** High Intermediate</td>
<td>ESL-54* High Intermediate</td>
</tr>
<tr>
<td>ESL-72 Intermediate</td>
<td>ESL-53 Intermediate</td>
<td>ESL-55* Advanced</td>
</tr>
</tbody>
</table>

* Indicates UC/CSU transferable course
** Associate Degree applicable only

**Moving Through Reading**

- **REA-83** College Reading & Thinking
- **REA-3** Reading for Academic Success

*Reading 83 reviews reading and writing skills and strategies to get you to reading competency and prepare you for English 1A and other content area courses in STEM, Social Sciences, and Humanities.

*Reading 3 provides students with a study of fundamental academic and content-area specific reading skills and strategies needed for success in college and beyond. This course meets the reading competency graduation requirement.

**Transferable Reading Courses**

- **REA-3** Reading for Academic Success
- **REA-4** College Reading as Critical Thinking**

*Reading 3 provides students with a study of fundamental academic and content-area specific reading skills and strategies needed for success in college and beyond. This course meets the reading competency graduation requirement.

*Reading 4 satisfies the critical thinking requirement at CSU. This course centers on reading persuasive writing and argument. Students use critical thinking to analyze and evaluate ideas encountered in academic reading.

*Indicates CSU Transferable course
**Satisfies CSU Critical Thinking requirement

Shaded areas indicate possible course placements
Instructor: men pursuing a college education while incarcerated at the CRC in Norco. This class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving 08/26/19 12/14/19 09:35AM 10:25AM W CRCCRCL609A 08/26/19 12/14/19 07:55AM 09:25AM W CRCCRCL609A 38089 Last Day to add: 09/06/19 Instructor: R Hitch  N Franks 37885 Last Day to add: 09/06/19 WE 08/26/19 12/14/19 07:20AM 09:25AM TTH IT108 08/26/19 12/14/19 IT121 The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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. Instructor: C Young 37323 Last Day to add: 09/06/19 HYB 08/26/19 12/14/19 07:20AM 09:25AM TH IT111 08/26/19 12/14/19 ONLINE 08/26/19 12/14/19 ONLINE 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. Instructor: N Morford 37309 Last Day to add: 09/06/19 WE 08/26/19 12/14/19 07:45AM 09:00AM MWF IT206 08/26/19 12/14/19 IT121 The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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. Instructor: K Hays 38081 Last Day to add: 09/06/19 LEC 08/26/19 12/14/19 07:55AM 10:25AM M CRCRCRCL15 08/26/19 12/14/19 07:55AM 09:35AM W CRCRCRCL15 08/26/19 12/14/19 09:35AM 10:25MA CRCRCRCL15 The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco. Instructor: J Dobson 38089 Last Day to add: 09/06/19 LEC 08/26/19 12/14/19 07:55AM 10:25AM M CRCRCRCL609A 08/26/19 12/14/19 07:55AM 09:25AM W CRCRCRCL609A 08/26/19 12/14/19 09:35AM 10:25AM W CRCRCRCL609A This class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco. Instructor: C Young

HYB - Hybrid Lecture • HYBL - Hybrid Lab • HYBLO - Hybrid Online Lab • HYBO - Hybrid Online Lecture • LAB - Lab • LEC - Lecture • OL - Online Lecture • OLL - Online Lab WE - Web Enhanced Lecture • WEL - Web Enhanced Lab • WRK - Work Experience Lecture • WRLB - Hybrid Work Experience • WRKO - Work Experience Online

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! https://www.bkstr.com/norcocollegestore/
The above section is a web-enhanced class and is linked to ENG 91 37913. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This class must be taken simultaneously with ENG 91 (2 UNITS). In order to enroll in this section of ENG 1A (4 Units), you must first enroll in ENG 91. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-LAB in WebAdvisor for available laboratory sections.

Instructor: D Mills

37288 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 09:15AM 10:30AM MWF IT108
08/26/19 12/14/19 09:15AM 10:30AM MWF IT121

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.

Instructor: K Hays

37313 Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 09:15AM 11:05AM M IT206
08/26/19 12/14/19 09:15AM 11:05AM M ONLINE
08/26/19 12/14/19 09:15AM 11:05AM M ONLINE

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.

Instructor: N Morford

37292 Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 09:40AM 11:45AM T HUM102
08/26/19 12/14/19 09:40AM 11:45AM T ONLINE
08/26/19 12/14/19 09:40AM 11:45AM T ONLINE

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.

Instructor: C Miter

37296 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 09:40AM 11:45AM TTH IT111
08/26/19 12/14/19 09:40AM 11:45AM TTH IT121

The above section is a web-enhanced class and is linked to ENG 91 37360. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This class must be taken simultaneously with ENG 91 (2 UNITS). In order to enroll in this section of ENG 1A (4 Units), you must first enroll in ENG 91. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-LAB in WebAdvisor for available laboratory sections.

Instructor: A Elizalde

37314 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 10:50AM 12:50PM MW IT123
08/26/19 12/14/19 10:50AM 12:50PM MW IT121

The above section is a web-enhanced class and is linked to ENG 91 37362. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This class must be taken simultaneously with ENG 91 (2 UNITS). In order to enroll in this section of ENG 1A (4 Units), you must first enroll in ENG 91. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-LAB in WebAdvisor for available laboratory sections.

Instructor: N Capps
The above section is a web-enhanced class and is linked to ENG 91 37359. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This class must be taken simultaneously with ENG 91 (2 UNITS). In order to enroll in this section of ENG 1A (4 Units), you must first enroll in ENG 91. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-LAB in WebAdvisor for available laboratory sections.

**Instructor:** M Pelle

37308

Last Day to add: 09/06/19

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<th>Times</th>
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The above section is a web-enhanced class and is linked to ENG 91 37361. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This class must be taken simultaneously with ENG 91 (2 UNITS). In order to enroll in this section of ENG 1A (4 Units), you must first enroll in ENG 91. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-LAB in WebAdvisor for available laboratory sections.

**Instructor:** A Moore C Miter

37307

Last Day to add: 09/06/19

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<tr>
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<td>MWF</td>
<td>02:00 PM - 03:05 PM</td>
<td>CACT1</td>
<td>A Moore C Miter</td>
</tr>
</tbody>
</table>

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.

**Instructor:** M Muldoon

37300

Last Day to add: 09/06/19

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<tr>
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The above section is a web-enhanced class and is linked to ENG 91 37910. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This class must be taken simultaneously with ENG 91 (2 UNITS). In order to enroll in this section of ENG 1A (4 Units), you must first enroll in ENG 91. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-LAB in WebAdvisor for available laboratory sections.

**Instructor:** T Comstock

37301

Last Day to add: 09/06/19

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</table>

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.

**Instructor:** C Miter

37311

Last Day to add: 09/06/19

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<td>MWF</td>
<td>02:00 PM - 04:15 PM</td>
<td>IT111</td>
<td>A Elizalde</td>
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</tbody>
</table>

The above section is a hybrid class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.

**Instructor:** R Hitch

37295

Last Day to add: 09/06/19

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<td>R Hitch</td>
</tr>
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</table>

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.

**Instructor:** J Gianunzio

37880

Last Day to add: 09/06/19

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<td>MWF</td>
<td>02:45 PM - 04:00 PM</td>
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The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.

**Instructor:** M Pelle

37320

Last Day to add: 09/06/19

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<tr>
<th>CRN</th>
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<td>37320</td>
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<td>03:00 PM - 05:05 PM</td>
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<td>M Pelle</td>
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</tbody>
</table>

The above section is restricted to Santiago High School students participating in Norco College's Dual Enrollment Program. 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.

**Instructor:** A Long

38091

Last Day to add: 09/06/19

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<td>A Long</td>
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The above section is restricted to Eleanor Roosevelt High School students participating in Norco College’s Dual Enrollment Program.

**Instructor:** R Mansikka

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<th>Course Code</th>
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The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program. 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.

Instructor: B Alhoch

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<td>12/14/19</td>
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<td>TTH</td>
<td>04:15PM-06:20PM</td>
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Instructor: A Elizalde

<table>
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<tr>
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<td>TTH</td>
<td>04:15PM-06:20PM</td>
<td>IT111</td>
<td>J Meiser</td>
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<td>WE</td>
<td>08/26/19</td>
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The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.

Instructor: J Meiser

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Last Day to add:</th>
<th>Start Date</th>
<th>End Date</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
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<tr>
<td>WE</td>
<td>08/26/19</td>
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<td>04:15PM-06:20PM</td>
<td>IT108</td>
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<td>WE</td>
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</table>

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.

Instructor: J Meiser
ENG-1AH
Honors English Composition  4 UNITS
Prequisite: ENG-50 or ENG-80 or qualifying placement level
Limitation on enrollment: Enrollment in the Honors Program
Description: Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. This Honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and application of higher level critical thinking skills. Students may not receive credit for both ENG-1A and ENG-1AH. Classroom instruction integrates writing lab activities. 72 hours lecture and 18 hours laboratory. (TBA option)
Instructor: D Reade
37327  Last Day to add: 09/06/19
WE 08/26/19 12/14/19 09:40AM 11:45AM TTH IT108
08/26/19 12/14/19 09:40AM 11:45AM TTH IT121

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.
Instructor: D Reade

ENG-1B
Critical Thinking and Writing  4 UNITS
Prequisite: ENG-1A or ENG-1AH
Description: Building on the rhetorical skills learned in ENG 1A, students will analyze, interpret, and synthesize diverse texts in order to construct well-supported academic arguments and literary analyses. Composition totaling a minimum of 10,000 words serves to correlate writing and reading activities. Classroom activities integrate with writing lab activities. Students may not receive credit for both ENG-1B and 18H. 72 hours lecture and 18 hours laboratory. (TBA option)
Instructor: S Camacho
37328  Last Day to add: 10/29/19
OL 10/21/19 12/14/19 ONLINE
10/21/19 12/14/19 ONLINE

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online. Please note the start and end dates.
Instructor: S Camacho
37335  Last Day to add: 09/03/19
OL 08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE

The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online. Please note the start and end dates.
Instructor: S Camacho
38095  Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 08:00AM 10:30AM T CRCCRC609A
08/26/19 12/14/19 08:00AM 10:30AM TCRCCRC609A
08/26/19 12/14/19 09:40AM 10:30AM TH CRCCRC609A

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.
Instructor: L Nelson

37342  Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 09:40AM 11:45AM T WEQW6B
08/26/19 12/14/19 09:40AM 11:45AM T WEQW6B
08/26/19 12/14/19 09:40AM 11:45AM T WEQW6B

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.
Instructor: J Dobson
38075  Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 09:40AM 11:45AM TH WEQW6B
08/26/19 12/14/19 09:40AM 11:45AM TH WEQW6B
08/26/19 12/14/19 09:40AM 11:45AM TH WEQW6B

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.
Instructor: J Dobson
37334  Last Day to add: 09/06/19
WE 08/26/19 12/14/19 01:00PM 02:15PM MWF HUM102
08/26/19 12/14/19 01:00PM 02:15PM MWF HUM102

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.
Instructor: L Hernandez
37341  Last Day to add: 09/06/19
WE 08/26/19 12/14/19 01:00PM 02:15PM MWF IT110
08/26/19 12/14/19 01:00PM 02:15PM MWF IT110

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.
Instructor: J Gianunzio
37333  Last Day to add: 09/06/19
WE 08/26/19 12/14/19 02:00PM 04:05PM TTH IT110
08/26/19 12/14/19 02:00PM 04:05PM TTH IT110

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.
Instructor: J Reed
37331  Last Day to add: 09/06/19
WE 08/26/19 12/14/19 02:45PM 04:00PM MWF IT111
08/26/19 12/14/19 02:45PM 04:00PM MWF IT111

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.
Instructor: L Hernandez

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! https://www.bkstr.com/norcocollegestore/
Instructor: C Brownell

The above section is restricted to Eleanor Roosevelt High School students participating in Norco College’s Dual Enrollment Program.

**Instructor:** C Brownell

**Last Day to add:** 09/06/19

**HYB**

- **08/26/19** 12/14/19 03:00PM 05:05PM  **MW**  **ERHS8211**
- **08/26/19** 12/14/19 08:26/19 12/14/19 04:15PM 06:20PM  **MW**  **IT110**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **TTH**  **JFK106**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **MW**  **HUM102**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **MW**  **IT108**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **MW**  **IT121**

The above section is restricted to Eleanor Roosevelt High School students participating in Norco College’s Dual Enrollment Program.

**Instructor:** N Soriano

**Last Day to add:** 09/06/19

**WE**

- **08/26/19** 12/14/19 04:15PM 06:20PM  **MW**  **IT110**
- **08/26/19** 12/14/19 04:15PM 06:20PM  **MW**  **HUM102**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **TTH**  **JFK106**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **MW**  **HUM102**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **MW**  **IT110**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **TTH**  **JFK106**

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**Instructor:** A Moore

**Last Day to add:** 09/06/19

**WE**

- **08/26/19** 12/14/19 04:15PM 06:20PM  **MW**  **IT110**
- **08/26/19** 12/14/19 04:15PM 06:20PM  **MW**  **HUM102**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **TTH**  **JFK106**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **TTH**  **IT206**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **TTH**  **IT212**

The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.

**Instructor:** R Marsh

**Last Day to add:** 09/06/19

**WE**

- **08/26/19** 12/14/19 04:15PM 06:20PM  **MW**  **IT110**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **TTH**  **JFK106**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **TTH**  **IT206**
- **08/26/19** 12/14/19 06:30PM 08:35PM  **TTH**  **IT212**

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

**Instructor:** N Capps

**Last Day to add:** 09/06/19

**WE**

- **08/27/19** 10/17/19 09:40AM 12:50PM  **T**  **STEM301**
- **08/27/19** 10/17/19 09:40AM 12:50PM  **TH**  **LIBRLRC**

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

**Instructor:** N Capps

**Last Day to add:** 09/06/19

**WE**

- **08/27/19** 10/17/19 09:40AM 12:50PM  **T**  **STEM301**
- **08/27/19** 10/17/19 09:40AM 12:50PM  **TH**  **LIBRLRC**

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

**Instructor:** A Moore

**Last Day to add:** 09/06/19

**WE**

- **08/27/19** 10/17/19 09:40AM 12:50PM  **T**  **STEM301**
- **08/27/19** 10/17/19 09:40AM 12:50PM  **TH**  **LIBRLRC**

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

**Instructor:** E Wagner

**Last Day to add:** 09/06/19

**WE**

- **08/27/19** 10/17/19 09:40AM 12:50PM  **T**  **STEM301**
- **08/27/19** 10/17/19 09:40AM 12:50PM  **TH**  **LIBRLRC**

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

**Instructor:** E Wagner

**Last Day to add:** 09/06/19

**WE**

- **08/27/19** 10/17/19 09:40AM 12:50PM  **T**  **STEM301**
- **08/27/19** 10/17/19 09:40AM 12:50PM  **TH**  **LIBRLRC**

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

**Instructor:** R Marsh

**Last Day to add:** 09/06/19

**WE**

- **08/27/19** 10/17/19 09:40AM 12:50PM  **T**  **STEM301**
- **08/27/19** 10/17/19 09:40AM 12:50PM  **TH**  **LIBRLRC**

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

**Instructor:** N Capps

**Last Day to add:** 09/06/19

**WE**

- **08/27/19** 10/17/19 09:40AM 12:50PM  **T**  **STEM301**
- **08/27/19** 10/17/19 09:40AM 12:50PM  **TH**  **LIBRLRC**

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

**Instructor:** N Capps

**Last Day to add:** 09/06/19

**WE**

- **08/27/19** 10/17/19 09:40AM 12:50PM  **T**  **STEM301**
- **08/27/19** 10/17/19 09:40AM 12:50PM  **TH**  **LIBRLRC**

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

**Instructor:** N Capps

**Last Day to add:** 09/06/19

**WE**

- **08/27/19** 10/17/19 09:40AM 12:50PM  **T**  **STEM301**
- **08/27/19** 10/17/19 09:40AM 12:50PM  **TH**  **LIBRLRC**

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

**Instructor:** N Capps

**Last Day to add:** 09/06/19

**WE**

- **08/27/19** 10/17/19 09:40AM 12:50PM  **T**  **STEM301**
- **08/27/19** 10/17/19 09:40AM 12:50PM  **TH**  **LIBRLRC**

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

**Instructor:** N Capps

**Last Day to add:** 09/06/19

**WE**

- **08/27/19** 10/17/19 09:40AM 12:50PM  **T**  **STEM301**
- **08/27/19** 10/17/19 09:40AM 12:50PM  **TH**  **LIBRLRC**

The above section is a web-enhanced class. Internet access is required.
ENG-6
British Literature I: Anglo-Saxon through Eighteenth Century 3 UNITS
Prerequisite: ENG-50 or ENG-80 or eligibility for ENG-1A
Advisory: ENG-1B or ENG-1BH
Description: A survey of British literature from the eighth century CE to 1800, including a comprehensive exposure to the poetry, drama, and fiction of this era as well as a basic understanding of the cultural, intellectual, and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass Option.)
37992 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 02:30PM 03:55PM MW IT123
The above section is a web-enhanced class. Internet access is required.
Instructor: D Reade

ENG-8
Introduction to Mythology 3 UNITS
Prerequisite: NONE
Advisory: ENG-1B or ENG-1BH and REA-83
Description: A study of Greco-Roman and other mythological traditions. Emphasizes the historical sources and cultural functions of myths and legends in ancient societies and their continuing relevance to modern thought and culture. 54 hours lecture. (Same as HUM-8)
37354 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 08:00AM 09:25AM TTH IT123
The above section is a web-enhanced class. Internet access is required.
Instructor: M Bobo

ENG-11
Creative Writing 3 UNITS
Prerequisite: ENG-1A or ENG-1AH
Description: Studies in fundamental principles and practice of writing fiction and poetry. Lectures and discussions emphasize analysis of professional examples of creative writing and study of creative writing theory. In-class workshops provide practice in creative writing techniques. In-class and out-of-class class writing assignments provide practice in writing techniques and in peer- and self-analysis. 54 hours lecture. (Letter Grade, or Pass/No Pass Option.)
37283 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 02:30PM 03:55PM TTH IT108
The above section is a web-enhanced class. Internet access is required.
Instructor: K Anderson

ENG-15
American Literature II: 1860 to the Present 3 UNITS
Prerequisite: ENG-50 or ENG-80 or eligibility for ENG-1A
Advisory: ENG-1B or ENG-1BH
Description: A survey of American literature from 1860 to the present, including a comprehensive exposure to the prose, poetry, fiction, and drama of this era as well as a basic understanding of the cultural, intellectual, and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
37994 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 04:10PM 05:35PM MW IT123
The above section is a web-enhanced class. Internet access is required.
Instructor: D Reade

ENG-30
Children's Literature 3 UNITS
Prerequisite: ENG-50 or ENG-80 or eligibility for ENG-1A
Description: A general survey of children’s literature from early times, with emphasis on contemporary works, including fantasy/science fiction, realistic, multicultural, and historical fiction. Both oral and written assignments are required. 54 hours lecture. (Letter Grade, or Pass/No pass option)
37993 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 02:30PM 03:55PM TTH IT206
The above section is a web-enhanced class. Internet access is required.
Instructor: D Reade

ENG-50
Basic English Composition 4 UNITS
Advisory: ESL 55 - Advanced Writing and Grammar
Description: Emphasizes and develops skills in critical reading and academic writing as preparation for college-level composition. Students will produce a minimum of 5,000 words of instructor-evaluated writing. Classroom instruction integrates lab activities. 72 hours lecture and 18 hours laboratory. (Letter Grade only.)
37347 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 11:15AM 12:30PM MWF IT108
08/26/19 12/14/19 11:15AM 12:30PM MWF IT121
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.
Instructor: D Mattson
37348 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 01:00PM 02:15PM MWF IT108
08/26/19 12/14/19 01:00PM 02:15PM MWF IT121
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the 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.
Instructor: D Mattson

ENG-85
Writing Clinic (English) .50 UNITS
Prerequisite: None.
Description: A self-paced, open-entry/open-exit, Writing and Reading Center-based modular course designed for those who need concentrated attention in various areas of grammar, punctuation, and composition. (Non-degree credit course. Pass-No Pass only.)
37558 Last Day to add: 12/05/19
LAB 09/10/19 12/05/19 11:50AM 12:50PM TTH LIBRLRC
The above section is a web-enhanced class. Internet access is required.
Instructor: K Anderson
ENG-91  
Academic Support for English 1  
2 UNITS

Prerequisite: None

Corequisite: ENG-1A

Description: Limited to students concurrently enrolled in the co-requisite English 1A class, English 91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence construction, metacognitive reflection, and college success skills. 36 hours lecture.  
(Non-degree credit course. Pass/No Pass only.)

Instructor: Lec  
Last Day to add: 09/08/19

WE 08/28/19 12/04/19 07:20AM 09:35AM W IT111

The above section is a web-enhanced class and is linked to ENG 1A 37891. When you enroll in this class, you are agreeing that you are also enrolling in the linked ENG 1A. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This section of ENG 91 (2 units) must be taken simultaneously with the linked ENG 1A (4 units) for a total of 6 units.

Instructor: D Turrubiates  
Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:05AM 11:10AM W IT206

The above section has reading and writing assignments centered on the African American experience and is intended for students in the Umoja program. See the Umoja counselor@sean.davis@norcocollege.edu prior to enrolling. The above section is a web-enhanced class and is linked to ENG 1A 37879. When you enroll in this class, you are agreeing that you are also enrolling in the linked ENG 1A. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This section of ENG 91 (2 units) must be taken simultaneously with the linked ENG 1A (4 units) for a total of 6 units.

Instructor: K Johnson-Jimenez  
Last Day to add: 09/09/19

WE 08/27/19 12/05/19 09:30AM 10:35AM TTH CACT1

The above section is a web-enhanced class and is linked to ENG 1A 37883. When you enroll in this class, you are agreeing that you are also enrolling in the linked ENG 1A. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This section of ENG 91 (2 units) must be taken simultaneously with the linked ENG 1A (4 units) for a total of 6 units.

Instructor: T Comstock  
Last Day to add: 09/09/19

WE 08/27/19 12/05/19 10:15AM 11:20AM TTH IT110

The above section is a web-enhanced class and is linked to ENG 1A 37310. When you enroll in this class, you are agreeing that you are also enrolling in the linked ENG 1A. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This section of ENG 91 (2 units) must be taken simultaneously with the linked ENG 1A (4 units) for a total of 6 units.

Instructor: D Mills  
Last Day to add: 09/13/19

WE 08/26/19 12/04/19 10:40AM 11:45AM MW IT110

The above section is a web-enhanced class and is linked to ENG 1A 37286. When you enroll in this class, you are agreeing that you are also enrolling in the linked ENG 1A. ENG 91 is a support course designed for students who want extra class time and instruction to complete ENG 1A in a single term. This section of ENG 91 (2 units) must be taken simultaneously with the linked ENG 1A (4 units) for a total of 6 units.

Instructor: D Mills

Leonard C Young

Instructor: T Comstock

Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: J Dobson  
Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 10:45AM 11:50AM MW CRCCRCUR1

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: A Elizalde  
Last Day to add: 09/13/19

LEC 08/26/19 12/14/19 12:40PM 01:45PM MW IT206

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: M Pelle  
Last Day to add: 09/13/19

LEC 08/26/19 12/14/19 12:40PM 01:45PM MW CACT1

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: A Moore  
Last Day to add: 09/13/19

LEC 08/26/19 12/14/19 01:05PM 02:10PM MW IT123

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: N Capps  
Last Day to add: 09/09/19

LEC 08/27/19 12/05/19 04:15PM 05:20PM TTH CACT1

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: T Comstock

Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: J Dobson  
Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 10:45AM 11:50AM MW CRCCRCUR1

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: A Elizalde  
Last Day to add: 09/13/19

LEC 08/26/19 12/14/19 12:40PM 01:45PM MW IT206

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: M Pelle  
Last Day to add: 09/13/19

LEC 08/26/19 12/14/19 12:40PM 01:45PM MW CACT1

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: A Moore  
Last Day to add: 09/13/19

LEC 08/26/19 12/14/19 01:05PM 02:10PM MW IT123

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: N Capps  
Last Day to add: 09/09/19

LEC 08/27/19 12/05/19 04:15PM 05:20PM TTH CACT1

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: T Comstock

Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: J Dobson  
Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 10:45AM 11:50AM MW CRCCRCUR1

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: A Elizalde  
Last Day to add: 09/13/19

LEC 08/26/19 12/14/19 12:40PM 01:45PM MW IT206

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: M Pelle  
Last Day to add: 09/13/19

LEC 08/26/19 12/14/19 12:40PM 01:45PM MW CACT1

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: A Moore  
Last Day to add: 09/13/19

LEC 08/26/19 12/14/19 01:05PM 02:10PM MW IT123

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: N Capps  
Last Day to add: 09/09/19

LEC 08/27/19 12/05/19 04:15PM 05:20PM TTH CACT1

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: T Comstock
ENGLISH AS A SECOND LANGUAGE

ESL-53 Intermediate Writing and Grammar 4 UNITS
Prerequisite: Qualifying placement level on a state-approved placement instrument or ESL-52
Description: Increases competency in standard written English with a focus on intermediate and writing grammar skills. Instruction includes vocabulary and reading skills necessary for success in intermediate English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

ESL-54 High-intermediate Writing and Grammar 5 UNITS
Prerequisite: Qualifying placement level on a state-approved placement instrument or ESL-53
Description: Emphasizes competency in standard written English with a focus on high-intermediate grammar and writing skills. Instruction includes an intensive review of vocabulary and reading skills necessary for success in high-intermediate English as a Second Language courses. 90 hours lecture and 18 hours laboratory. (Degree credit course. Letter Grade, or Pass/No Pass Option.)

ESL-55 Advanced Writing and Grammar 5 UNITS
Prerequisite: Qualifying placement level on a state-approved placement instrument or ESL-54
Description: Emphasizes competency in standard written English with a focus on developing paragraphs and essays in preparation for English composition classes. Instruction includes continued development of vocabulary, reading and academic skills necessary for success in college classes. 90 hours lecture and 18 hours laboratory. (Degree credit course. Letter Grade, or Pass/No Pass Option.)

Hybrid Lab

WE 08/26/19 12/14/19 08:45PM 09:35PM TTH IT211
08/26/19 12/14/19 09:40AM 10:30AM T IT211

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

Instructor: M Shirinian

Norco College
RIVERSIDE COMMUNITY COLLEGE DISTRICT
ESL-91  
**Oral Skills I: Beginning Oral Communication**  
3 UNITS  
Prerequisite: None  
Advisory: Concurrent enrollment in ESL 51 or 52  
Description: This course emphasizes beginning conversation, pronunciation, and idiomatic skills along with basic listening comprehension. Conversational and idiomatic skills focus on fluent and appropriate use of common words and functional expressions in life skills areas—shopping, food, clothing, money/banking, car/license, travel, medicine. Pronunciation focuses on the articulation of English vowels and consonants and on the development of basic English patterns of stress and intonation. Listening stresses understanding verbal instructions and questions, common vocabulary and daily functions in an aural context, main ideas and details in monologues and dialogues. 54 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

Instructor: M Shirinian

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

08/26/19 12/14/19 05:10PM 06:00PM W LIBR109

08/26/19 12/14/19 03:00PM 06:10PM M LIBR109

08/26/19 12/14/19 05:10PM 06:00PM W LIBR109

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH IT211

08/26/19 12/14/19 09:35AM 10:25AM TH IT211

38002 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH IT211

08/26/19 12/14/19 06:00PM 08:05PM T LIBR110

08/26/19 12/14/19 08:10PM 09:00PM T LIBR110

The above section is an online class. Computer with Internet access required. Designated laboratory hours are included in the meeting times for this class.

**FRENCH**

**ENROLLMENT GUIDELINES**

**FRENCH**

1. If you have taken French 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 French outside of a formal educational institution, you must file a matriculation appeals petition in order to enroll above level 1.

**FRE-1**

**French 1**  
5 UNITS  
Prerequisite: None.

Description: Develops basic skills in listening, reading, speaking, and writing. Emphasis on acquisition of vocabulary, structures, and grammatical patterns necessary for comprehension of native spoken and written French at the beginning level. Includes discussion of French culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option)

Instructor: J Coverdale

**GAM-21**

**History of Video Games**  
3 UNITS  
Prerequisite: None  
Description: A comprehensive study of the evolution of video games throughout history including arcade games, console games, computer games and mobile applications.

38005  
OL 08/26/19 12/14/19 08:10PM 09:00PM T LIBR110

OL 08/26/19 12/14/19 06:00PM 08:05PM T LIBR110

WE 08/26/19 12/14/19 06:00PM 09:10PM TH LIBR110

WE 08/26/19 12/14/9 11:15AM 12:40PM TTH ATEC118

37375 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH ATEC118

OL 08/26/19 12/14/19 01:00PM 02:30PM T INTLINTL

OL 08/26/19 11/27/19 ONLINE

37376 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH ATEC118

OL 08/26/19 12/14/19 01:00PM 02:30PM T INTLINTL

OL 08/26/19 11/27/19 ONLINE

The above section is an online class. Computer with Internet access required.

Instructor: J Coverdale

The above section is a hybrid class intended for students in the Study Abroad Program. Internet access is required. For more information, please contact Study Abroad at 951-222-8160.

Instructor: J Perry

**GAM-22**

**Game Design Principles**  
4 UNITS  
Prerequisite: None

Description: An introduction to the fundamental techniques, concepts, and vocabulary of game design. Students will design original non-digital prototypes and games, using iteration and playtesting best practices. 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. 54 hours lecture and 54 hours laboratory.

37376  
OL 08/26/19 12/14/19 ONLINE

OL 08/26/19 12/14/19 ONLINE

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.

Instructor: Staff

37377 Last Day to add: 09/06/19

HYBO 08/26/19 12/14/19 ONLINE

 HYBO 08/26/19 12/14/19 09:30AM 12:40PM W STEM115

The above section is a hybrid class and has an 54-hour lecture to be completed online. Computer with Internet access required. See www.opencampus.com.

Instructor: Staff

**ENROLLMENT GUIDELINES**

**FRENCH**

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

2. If you have taken French 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.

**FRE-1**

**French 1**  
5 UNITS  
Prerequisite: None.

Description: Develops basic skills in listening, reading, speaking, and writing. Emphasis on acquisition of vocabulary, structures, and grammatical patterns necessary for comprehension of native spoken and written French at the beginning level. Includes discussion of French culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option)

Instructor: J Coverdale

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

08/26/19 12/14/19 05:10PM 06:00PM W LIBR109

08/26/19 12/14/19 03:00PM 05:05PM W LIBR109

08/26/19 12/14/19 05:10PM 06:00PM W LIBR109

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH IT211

08/26/19 12/14/19 09:35AM 10:25AM TH IT211

38002 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH IT211

08/26/19 12/14/19 06:00PM 08:05PM T LIBR110

08/26/19 12/14/19 08:10PM 09:00PM T LIBR110

The above section is an online class. Computer with Internet access required.

Instructor: A Smith

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

Instructor: M Shirinian

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

Instructor: J Coverdale

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

Instructor: A Smith

The above section is an online class. Computer with Internet access required.
38071

HYB0 08/19/19 11/17/19 ONLINE
08/19/19 11/17/19 09:00AM 12:00PM T INTLINTL

The above section is a hybrid class intended for students in the Study Abroad Program. Internet access is required. For more information, please contact Study Abroad at 951-222-8160.

Instructor: J Perry

GAM-24

Video Game Prototyping 4 UNITS

Prerequisite: CIS/CSC-5 or GAM-50 or CIS-50

Description: An introduction to the fundamentals of computer game prototyping with an emphasis on scripting. Students will create mockup environments and objects of interest using placeholder assets, apply game rules and interactivity, and demonstrate previsualized game concepts. 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. 54 hours lecture and 54 hours laboratory.

37378 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 05:40PM M STEM115
08/26/19 12/14/19 02:30PM 05:40PM W STEM115

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

Instructor: M Chapman

GAM-35

Introduction to Computer Game Development 3 UNITS

Prerequisite: None.

Description: An introduction to computer gaming. Students will explore the job market, career paths and business aspects of gaming professions.

37381 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 07:35AM 09:00AM M STEM115
08/26/19 12/14/19 ONLINE

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

Instructor: Staff

37380 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:40AM 11:05AM TTH STEM115

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

Instructor: J Finley

37379 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH STEM115

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

Instructor: Staff

37382 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 03:00PM 04:25PM TTH CENT401

The above section is a web enhanced and restricted to Centennial High School students participating in Norco College’s Dual Enrollment Program. Internet access is required.

Instructor: B Kenney

GAM-46

Environment and Vehicle Modeling 3 UNITS

Prerequisite: GAM-81

Description: A comprehensive study of game industry modeling techniques for both hard surface and organic models. Advanced 3D modeling techniques in creating environment and vehicle models with specific limitations on tri/poly count. Topics include Polygonal modeling tools, Subdivision Surface tools, and NURBS (Non Uniform Rational B Splines) modeling tool sets. An introduction to background design and layout as well as shot planning and composition as it applies to storytelling in a game/simulation environment with a focus on creating architectural interiors and exteriors representing houses, buildings and entire worlds contained under a roof. 54 hours lecture and 18 hours laboratory. (TBA option)

38017 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:45PM 07:55PM F STEM115
08/26/19 12/14/19 08:00PM 08:50PM F STEM115

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

Instructor: D May

GAM-50

Introduction to Game Programming 3 UNITS

Prerequisite: None.

Description: 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)

37383 Last Day to add: 09/06/19

OL 08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE

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.

Instructor: J Finley

37384 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 07:35AM 09:00AM W STEM115
08/26/19 12/14/19 ONLINE
08/26/19 12/14/19 ONLINE

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.

Instructor: Staff

GAM-52

Game Engine Scripting I 3 UNITS

Prerequisite: GAM-50

Description: 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. 54 hours lecture and 18 hours laboratory. (TBA option)

38003 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 05:45PM 09:05PM W STEM115
08/26/19 12/14/19 09:10PM 10:00PM W STEM115

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

Instructor: J Ruiz
GAM-70
Computer Skills for Game Art 2 UNITS
Prerequisite: None
Description: Introduction to fundamental computer concepts related to typical functions required of a game artist. Understanding computer navigation and peripherals used to input information which is unique to Game Design and Digital Media will be the focus. Standard file management, navigation, storage, and multiple backup techniques for files are taught as well as basic scanning techniques, appropriate use of internet resources, copyright issues and an introduction to graphic file formats. 18 hours lecture and 6 hours laboratory. (TBA option)
Instructor: G Marquez

GAM-80
Digital Drawing for Game Art 4 UNITS
Prerequisite: None
Description: Introduction to digital drawing techniques using industry standard software. Topics include usage of digital drawing hardware, digital image manipulation, techniques for digitally painting custom textures, exploration of the elements of art as they apply to games, composition, and perspective, layout design, character design, and concept development. Includes development of observational, motor, and creative skills. Use of layers, layer styles, adjustment layers and blending modes. 54 hours lecture and 54 hours laboratory. (TBA option)
Instructor: Staff

GAM-71
Perspective for Game and Animation 3 UNITS
Prerequisite: GAM-80
Description: This is 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. Students learn to conceptualize, create quick sketches and then focus on developing complete perspective drawings. 36 hours lecture and 54 hours laboratory.
Instructor: R Bourbeau

GAM-81
3D Modeling and Texturing 4 UNITS
Prerequisite: GAM-80
Description: This course introduces the concepts of 3D Modeling in a virtual environment. Emphasis is on the introduction of three-dimensional concepts, the use of modeling tools, and menu structures within applications of 3D design systems. This course also covers the process by which 3D models are unwrapped and textured using industry standard techniques and software. Skills taught in this course will give students the ability to create original three-dimensional computer generated models of organic or mechanical design, as well as apply suitable textures to these assets. 54 hours lecture and 54 hours laboratory. (TBA option)
Instructor: Staff

GAM-73
Storyboarding for Games 3 UNITS
Prerequisite: GAM-80
Description: Application of strong composition, posing, and camera techniques to tell an engaging story in a video game environment. Students plan interactive scripted events and cut-scenes using beginning level drawing skills and storyboard software. 36 hours lecture and 54 hours laboratory. (TBA option)
Instructor: T Dunipace
GEOGRAPHY

GEG-1
Physical Geography
3 UNITS
Prerequisite: None
Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. The honors course offers an enriched experience for accelerated students by limited class size, seminar format, student generated and led discussions and projects, the application of higher level thinking, reading, and writing skills - analysis, synthesis, and evaluation. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

37392 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 11:10AM 12:35PM MW ATEC205
The above section is a web-enhanced class. Internet access is required. Instructor: R Christov

GEG-1H
Honors Physical Geography
3 UNITS
Prerequisite: None
Limitation on enrollment: Enrollment in the Honors Program.
Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. The honors course offers an enriched experience for accelerated students by limited class size, seminar format, student generated and led discussions and projects, the application of higher level thinking, reading, and writing skills - analysis, synthesis, and evaluation. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

37396 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 07:35AM 09:00AM MW IT208
The above section is a web-enhanced class. Internet access is required. Instructor: S Justice

GEG-1L
Physical Geography Laboratory
1 UNIT
Prerequisite: None
Corequisite: GEG-1DE or GEG-1H
Description: Practical application of scientific principles through geographically based in-class exercises using a variety of tools, such as maps, photos, and data in various forms. 54 hours laboratory.

37402 Last Day to add: 09/06/19
WEL 08/26/19 12/14/19 09:15AM 10:40AM MW ATEC205
The above section is a web-enhanced class. Internet access is required. Instructor: S Justice

37399 Last Day to add: 09/06/19
WEL 08/26/19 12/14/19 11:10AM 12:35PM MW ATEC205
The above section is a web-enhanced class. Internet access is required. Instructor: R Christov

37400 Last Day to add: 09/06/19
WEL 08/26/19 12/14/19 04:10PM 05:35PM MW ATEC205
The above section is a web-enhanced class. Internet access is required. Instructor: C Roozee

37401 Last Day to add: 09/06/19
WEL 08/26/19 12/14/19 06:00PM 09:10PM W ATEC205
The above section is a web-enhanced class. Internet access is required. Instructor: E Ogbuchiekwe
GUIDANCE

GUI-45
Introduction to College
Prerequisite: None
Description: Guidance 45 is designed to introduce academic and occupational programs, college resources and personal factors that contribute to success as a college student. Includes an extensive exploration of Riverside Community College District resources and policies, orientation to college life, student rights and responsibilities, as well as certificates, graduation and transfer requirements. Students will prepare a Student Educational Plan (S.E.P.). Outcomes of higher education will be discussed through the exploration and application of sociological and psychological principles that lead to success in college and in accomplishing goals. As a result of class activities and exploration of factors influencing educational decisions, class members will be able to utilize the information obtained in class to contribute to their college success. 18 hours lecture.

LEC 08/30/19 10/18/19 09:30AM 11:35AM F IT123
Last Day to add: 09/03/19
Instructor: A Kramer

GUI-46
Intro Transfer Process
Prerequisite: None
Description: Survey of transfer requirements with hands-on activities through the application process for students transferring to four-year institutions. Includes an extensive exploration of Riverside Community College District resources and policies, orientation to college life, student rights and responsibilities, as well as certificates, graduation and transfer requirements. Students will prepare a Student Educational Plan (S.E.P.). Outcomes of higher education will be discussed through the exploration and application of sociological and psychological principles that lead to success in college and in accomplishing goals. As a result of class activities and exploration of factors influencing educational decisions, class members will be able to utilize the information obtained in class to contribute to their college success. 18 hours lecture.

HYB 10/25/19 12/19/19 11:50AM 12:40PM F JFK106
Last Day to add: 10/29/19
Instructor: J Frith

GUI-47
Career Exploration and Life Planning
Prerequisite: None
Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

OL 08/26/19 12/19/19 09:00AM 09:25AM MW HUM102
Last Day to add: 09/11/19
Instructor: M Mendoza

OL 08/26/19 12/19/19 09:15AM 10:40AM MW ATEC210
Last Day to add: 09/06/19
Instructor: B Quintanar
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Last Day to add:</th>
<th>Start Date</th>
<th>End Date</th>
<th>Days</th>
<th>Time</th>
<th>Instructor(s)</th>
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<tbody>
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<td>37975</td>
<td>09/06/19</td>
<td>08/26/19</td>
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<td>09:35AM - 11:00AM</td>
<td>B Serrano Madsen</td>
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<td>Norco College's Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.</td>
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<td>09/06/19</td>
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<td>This course will include training and information required for NCAA athletes. This section is a web-enhanced class. Internet access is required.</td>
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<td>37987</td>
<td>09/06/19</td>
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<td>M Williams</td>
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<td>The above section is designed for the Umoja Community. Please see the Umoja Counselor in the Counseling Department prior to enrolling. The section is a web-enhanced class. Internet access is required.</td>
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<td>37988</td>
<td>09/06/19</td>
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<td>The above section is designed for the Puente Community. Please see the Puente Counselor in the Counseling Department prior to enrolling. The section is a web-enhanced class. Internet access is required.</td>
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<td>37995</td>
<td>09/06/19</td>
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<td>11:30AM - 12:55PM</td>
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<td>The above section is designed for the Pena Community. Please see the Puente Counselor in the Counseling Department prior to enrolling. The section is a web-enhanced class. Internet access is required.</td>
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<td>37973</td>
<td>09/06/19</td>
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<td>R Ghazaleh</td>
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<td>The above section is restricted to JFK Hybrid High School students participating in Norco College’s Dual Enrollment program. This section is a web-enhanced class. Internet access is required.</td>
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<td>09/06/19</td>
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<td>The above section is designed for the Puente Community. Please see the Puente Counselor in the Counseling Department prior to enrolling. The section is a web-enhanced class. Internet access is required.</td>
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<td>R Ghazaleh</td>
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<td>The above section is restricted to Jurupa Valley High School students participating in Norco College's Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.</td>
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<td>37977</td>
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<td>The above section is restricted to JFK Hybrid High School students participating in Norco College’s Dual Enrollment program. This section is a web-enhanced class. Internet access is required.</td>
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</table>

GUI-48 College Success Strat 3 UNITS
Prerequisite: None
Description: This comprehensive course integrates personal growth and values, academic study strategies and critical thinking techniques. Students will obtain skills and interpersonal awareness necessary to succeed in college. 54 hours lecture.

38059 08/26/19 12/14/19 08:00PM-09:00PM  W  OL 37411 09/06/19 08:00PM-09:00PM  Th  IT208
The above section is an Online course. Computer with ONLINE internet access is required. See www.opencampus.com

Instructor: J Rubino  38060 08/26/19 12/14/19 08:00PM-09:00PM  W  OL 38100 09/06/19 08:00PM-09:00PM  Th  IT208
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com

Instructor: J Rubino  38124 08/26/19 12/14/19 08:00PM-09:00PM  W  CRCRCL609A
The above section is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

Instructor: J Rubino M Titterud  37417 09/06/19 08:00PM-09:00PM  Th  IT208
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com

Instructor: J Rubino  37989 09/06/19 08:00PM-09:00PM  Th  IT208
The above section is an Online course. Computer with ONLINE internet access is required. See www.opencampus.com

Instructor: J Rubino  37977 09/06/19 08:00PM-09:00PM  Th  IT208
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com

Instructor: J Rubino  37976 09/06/19 08:00PM-09:00PM  Th  IT208
The above section is restricted to JFK Hybrid High School students participating in Norco College’s Dual Enrollment program.

Instructor: J Rubino  38100 09/06/19 08:00PM-09:00PM  Th  IT208
The above section is an Online course. Computer with ONLINE internet access is required. See www.opencampus.com

Instructor: J Rubino  37978 09/06/19 08:00PM-09:00PM  Th  IT208
The above section is restricted to JFK Hybrid High School students participating in Norco College’s Dual Enrollment Program. This section is a hybrid class, Internet access is required. See www.opencampus.com

Instructor: R Ghazaleh  37977 09/06/19 08:00PM-09:00PM  Th  IT208
The above section is restricted to JFK Hybrid High School students participating in Norco College’s Dual Enrollment Program. This section is a web-enhanced class. Internet access is required. See www.opencampus.com

Instructor: R Ghazaleh  37976 09/06/19 08:00PM-09:00PM  Th  IT208
The above section is restricted to Corona High School students participating in Norco College's Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.

Instructor: R Ghazaleh  37975 09/06/19 08:00PM-09:00PM  Th  IT208
The above section is restricted to JFK Hybrid High School students participating in Norco College’s Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.

Instructor: R Ghazaleh
### HEALTH SCIENCE

#### HES-1

**Health Science (same As Bio-35)**

**3 UNITS**

**Prerequisite:** None

**Description:** 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.

**Instructor:** S Witmer

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<th>Section ID</th>
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<tbody>
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**Instructor:** N Corselli

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<th>Section ID</th>
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<td>08/26/19 12/14/19 06:30PM - 09:40PM</td>
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**Instructor:** P Campo

**Description:** 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

**Description:** 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.

**Instructor:** S Witmer

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**Instructor:** P Campo
HISTORY

HIS-1

History of World Civilizations 1 3 UNITS

Prerequisite: None

Description: A survey of the historical development of global societies, major social, political, and economic ideas and institutions from their origins until the 16th century. Principal areas to be covered are: African civilizations of the Nile and sub-Saharan areas, Mesopotamian civilizations, Greek and Roman Civilizations, Medieval and Reformation Europe, the Indus River, China and Japan. 54 hours lecture.

Instructor: S. Kyriakos

37811 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 11:15AM 12:40PM TTH HUM103

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

Instructor: M. Hickerson

WE 08/26/19 12/14/19 07:35AM 09:00AM MW HUM103

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

Instructor: T. Russell

WE 08/26/19 12/14/19 09:15AM 10:40AM MW HUM103

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

Instructor: T. Russell

WE 08/26/19 12/14/19 06:00PM 09:10PM W LIBR121

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

Instructor: T. Knight

HIS-6

Political and Social History of the Unit 3 UNITS

Prerequisite: None

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

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and HIS-6H. 54 hours lecture.

Instructor: S. Kyriakos

37808 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 08:00AM 09:25AM TTH HUM103

The above section is an online class. Computer with Internet access required.

Instructor: D. Reina

OL 08/26/19 12/14/19 ONLINE

The above section is an online class. Computer with Internet access required.

Instructor: C. Day

OL 08/26/19 12/14/19 ONLINE

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

Instructor: H. Vion

OL 08/26/19 12/14/19 08:00AM 11:10AM F HUM103

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

Instructor: S. Kyriakos

OL 08/26/19 12/14/19 12:45PM 02:10PM MW HUM103

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

Instructor: S. Kyriakos

HIS-7

United States History From 1865 3 UNITS

Prerequisite: None

Advisory: ENG-83 or ENG-50 or ENG-80 or qualification for ENG-1A

Description: Political, social, and economic development of the United States from 1865 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

Instructor: S. Kyriakos

37812 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:00PM 09:10PM TH HUM103

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

Instructor: H. Vion

HIS-6H

Honors United States History to 1877 3 UNITS

Prerequisite: None

Advisory: REA-83, ENG-50 and qualification for ENG-1A

Limitation on enrollment: Enrollment in Honors Program

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both HIS-6 and HIS-6H. 54 hours lecture.

Instructor: T. Russell

37812 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 11:15AM 12:40PM TTH HUM103

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

Instructor: M. Hickerson

WE 08/26/19 12/14/19 08:00AM 11:35AM S HUM103

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

Instructor: S. Kyriakos

WE 08/26/19 12/14/19 04:10PM 05:35PM TTH HUM103

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

Instructor: S. Kyriakos

WE 08/26/19 12/14/19 09:15AM 10:40AM MW HUM103

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

Instructor: S. Kyriakos

WE 08/26/19 12/14/19 07:35AM 09:00AM MW HUM103

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

Instructor: T. Russell

WE 08/26/19 12/14/19 06:00PM 09:10PM M IT109

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

Instructor: M. Hickerson

WE 08/26/19 12/14/19 06:00PM 09:10PM T WEQW4

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

Instructor: M. Hickerson

WE 08/26/19 12/14/19 06:00PM 09:10PM W LIBR121

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

Instructor: T. Knight

Norco College
RIVERSIDE COMMUNITY COLLEGE DISTRICT

HYB - Hybrid Lecture • HYBL - Hybrid Lab • HYBLO - Hybrid Online Lab • HYBO - Hybrid Online Lecture • LAB - Lab • LEC - Lecture • OL - Online Lecture • OLL - Online Lab
WE - Web Enhanced Lecture • WEL - Web Enhanced Lab • WRK - Work Experience Lecture • WRKH - Hybrid Work Experience • WRKO - Work Experience Online

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HUMANITIES

HUM-4
Arts and Ideas: Ancient World Through the Late Medieval Period  
3 UNITS
Prerequisite: None
Advisory: REA-83 and qualification for ENG-1A
Description: An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, and religion of Western Civilization. The cultural achievements of the ancient world and the middle ages are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. Students may not receive credit for both HUM-4 and HUM-4H. 54 hours lecture.

HUM-8
Introduction to Mythology  
3 UNITS
Prerequisite: None
Advisory: ENG-1B or ENG-1BH and REA-83
Description: A study of Greco-Roman and other mythological traditions. Emphasizes the historical sources and cultural functions of myths and legends in ancient societies and their continuing relevance to modern thought and culture. 54 hours lecture. (Same as ENG-8)
HUM-10
World Religions 3 UNITS
Prerequisite: None
Advisory: REA-83 and qualification for ENGL-1A
Description: Thought and concepts of the major religious systems, including primal reli-
gions, extinct religions, Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism,
Shintoism, Zoroastrianism, Judaism, Christianity, and Islam. Students may not receive
credit for both HUM-10 and HUM-10H. 54 hours lecture.
37458 Last Day to add: 09/06/19
OL 08/26/19 12/14/19 ONLINE
The above section is an online class. Computer with Internet access required.
Instructor: M Bobo
37459 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 08:00AM 12:05PM F WEQW3
The above section is a web-enhanced class. Internet access is required.
Instructor: D Ketcham
37455 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:00PM 09:10PM M LIBR121
The above section is a web-enhanced class. Internet access is required.
Instructor: M Bobo
37457 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:00PM 09:10PM T WEQW6B
The above section is a web-enhanced class. Internet access is required.
Instructor: D Ketcham

HUM-10H
Honors World Religions 3 UNITS
Prerequisite: None
Advisory: REA-83 and qualification for ENGL-1A
Limitation on enrollment: Enrollment in Honors Program
Description: Thought and concepts of the major religious systems, including primal reli-
gions, extinct religions, Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism,
Shintoism, Zoroastrianism, Judaism, Christianity, and Islam. This Honors course offers an
enriched experience for students through limited class size, seminar format, discussions
and projects generated and led by students, a focus on primary texts in translation and
the application of higher level thinking and writing skills, analysis, synthesis and eval-
uation. Students may not receive credit for both HUM-10 and HUM-10H. 54 hours lecture.
37831 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 09:15AM 10:40AM MW IT208
The above section is a web-enhanced class. Internet access is required.
Instructor: M Bobo

HUM-16
Arts and Ideas: American Culture 3 UNITS
Prerequisite: None
Advisory: REA-83 and qualification for ENGL-1A
Description: An interdisciplinary survey of the cultural movements in art, architecture,
literature, music, philosophy, and religion of American culture. American culture is stud-
ied in the context of American political culture, economic and industrial transformation,
and the changing shape of American society. American arts and ideas are examined from
the colonial period through the present. 54 hours lecture.

INTERDISCIPLINARY STUDIES
ILA-1
Introduction to Tutor Training 1 UNIT
Prerequisite: None
Advisory: Qualification for ENGL-1A
Description: Introduction to tutoring, with an emphasis on tutoring strategies, learn-
ing styles, problem solving, and working with diverse student populations. Designed
to prepare students to become peer tutors in a variety of subject areas. Tutors develop
student-centered, non-intrusive tutoring skills to meet a wide variety of student needs.
Topics include theory, practice and ethics of tutoring, interpersonal communications
techniques, tutoring diverse student populations, and group tutorial methods and prac-
tical field work. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)
37466 Last Day to add: 09/01/19
WE 08/28/19 10/16/19 05:30PM 07:35PM T STEM301
The above section is a short term web-enhanced class. Internet is required. Please note
the start and end dates.
Instructor: A Jimenez

ILA-3
Student Resiliency 1 UNIT
Prerequisite: None
Description: This participatory course trains students how to attain, foster, and utilize
skills that may support academic success in the face of adversity. The course includes
theories of resiliency, workshops on strategies for resilience and academic success, prob-
lem-solving applications, and network building. 18 hours lecture. (Non-degree credit
course)
37979 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:40AM 07:30AM T CENT957
The above section is restricted to Centennial High School students participating in Norco
College’s Dual Enrollment Program. This section is a web-enhanced class. Internet access
is required.
Instructor: C Voss
37469 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:40AM 07:30AM W CENT963
The above section is restricted to Centennial High School students participating in Norco
College’s Dual Enrollment Program. This section is a web-enhanced class. Internet access
is required.
Instructor: A Thompson
37473 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:40AM 07:30AM W CENT957
The above section is restricted to Centennial High School students participating in Norco
College’s Dual Enrollment Program. This section is a web-enhanced class. Internet access
is required.
Instructor: C Voss
ILA-800
Supervised Tutoring  0 UNITS
Prerequisite: None
Corequisite: Student must be enrolled in at least one other non-tutoring course.
Description: This self-paced, open-entry/open-exit non-credit course provides supervised tutoring, assistance with study skills, and guidance in completing basic skills or college-level course assignments. Students receive individualized tutoring and/or small group instruction outside of class time in a discipline-specific lab. Designed to help students achieve outcomes related to specific courses and/or to improve learning and study skills in specific related subjects. Content varies according to the course for which tutoring is sought. Up to 216 hours laboratory. (TBA option) (Non-degree, non-credit course.)

KINESIOLOGY

Nutrition  3 UNITS
Prerequisite: None
Description: The principles of modern nutrition and its application. The importance of a scientific knowledge of nutrition, specific food nutrients and nutritional controversies. A study of modern convenience foods and their impact on present day diets. 54 hours lecture.

JOURNALISM

Mass Communications  3 UNITS
Prerequisite: None.
Advisory: ENG-50 or ENG-80 or qualifying placement into ENG-1A.
Description: Survey of mass communication and the interrelationships of media with society including history, structure, and trends in a digital age. Discussion of theories and effects, economics, technology, law and ethics, global media, media literacy, and social issues, including gender and cultural diversity. 54 hours lecture.

Supervised Tutoring  0 UNITS
Prerequisite: None
Corequisite: Student must be enrolled in at least one other non-tutoring course.
Description: This self-paced, open-entry/open-exit non-credit course provides supervised tutoring, assistance with study skills, and guidance in completing basic skills or college-level course assignments. Students receive individualized tutoring and/or small group instruction outside of class time in a discipline-specific lab. Designed to help students achieve outcomes related to specific courses and/or to improve learning and study skills in specific related subjects. Content varies according to the course for which tutoring is sought. Up to 216 hours laboratory. (TBA option) (Non-degree, non-credit course.)
KIN-10
**Introduction to Kinesiology**  
3 UNITS  
Prerequisite: None.  
Description: The study of human movement, sub-disciplines in Kinesiology and career opportunities.  
37479  
Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:30PM 03:55PM MW WEQW4  
The above section is a web-enhanced class. Internet access is required.  
Instructor: R Aguilar

KIN-16
**Introduction to Athletic Training**  
3 UNITS  
Prerequisite: None.  
Description: Analyzes and applies basic concepts of athletic training with emphasis on care and prevention of athletic injuries.  
37480  
Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 04:15PM 06:45PM T WEQW3  
08/26/19 12/14/19 07:00PM 08:25PM T WEQW3  
The above section is a web-enhanced class. Internet access is required.  
Instructor: J Winn

KIN-30
**First Aid and CPR**  
3 UNITS  
Prerequisite: None.  
Description: 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.  
37481  
Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:00AM 12:25PM MW WEQW3  
The above section is a web-enhanced class. Internet access is required.  
Instructor: S Witmer

KIN-35
**Foundation for Fitness and Wellness**  
3 UNITS  
Prerequisite: None.  
Description: This course will provide students with the ability to make informed choices and to take responsibility for those choices in the areas of fitness, nutrition, and stress management. Emphasis is on the application of health and physical fitness principles. Each student will develop a personalized plan for the overall maintenance of their own wellness. 36 hours lecture and 54 hours laboratory.  
37483  
Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 08:00AM 08:50AM M WEQW4  
08/26/19 12/14/19 08:00AM 09:05AM W WEQW4  
08/26/19 12/14/19 09:15AM 10:40AM MW WEQW8  
The above section is a web-enhanced class. Internet access is required.  
Instructor: D Bednarczyk

KIN-36
**Wellness: Lifestyle Choices**  
3 UNITS  
Prerequisite: None.  
Description: Studies the various dimensions of wellness as they relate to living a positive, healthy life.  
37484  
Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:40AM 11:05AM TTH WEQW3  
The above section is a web-enhanced class. Internet access is required.  
Instructor: B Wimer

KIN-38
**Foundations of Kinesiology**  
3 UNITS  
Prerequisite: None.  
Description: The study of human movement, sub-disciplines in Kinesiology and career opportunities.  
37485  
Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:15AM 12:40PM TTH WEQW3  
The above section is a web-enhanced class. Internet access is required.  
Instructor: B Wimer
KIN-A38
Stress Management
3 UNITS
Prerequisite: None.
Description: The nature, physiology, and psychology of stress. Students will explore perceptions, attitudes, beliefs, and lifestyle factors that may be pre-cursors and contributors to distress. Students will also explore a variety of coping strategies and relaxation techniques. The lab portion of this class provides the opportunity for students to practice techniques and develop a personalized stress management program. 45 hours lecture and 27 hours laboratory.

KIN-A46
Hatha Yoga, Beginning
1 UNIT
Prerequisite: None.
Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.

KIN-A47
Hatha Yoga, Intermediate
1 UNIT
Prerequisite: None.
Advisory: KIN-A46
Description: This course offers intermediate Hatha yoga exercises to improve students physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 and A47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A58
Walking for Fitness: Beginning
1 UNIT
Prerequisite: None.
Description: This course is designed for all students with an emphasis on cardiovascular fitness, setting personal fitness goals and understanding the physiological benefits of a walking program. Walking programs will be established to improve cardiorespiratory endurance. KIN-A75A, A75B and A77 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

KIN-A60
Karate, Beginning
1 UNIT
Prerequisite: None.
Description: This course in beginning karate will develop the basic skills needed for the art of unarmed self-defense. This includes the use of blocking, shifting, punching, striking, and kicking. Karate will also develop speed, grace of movement, self-confidence, poise, mental alertness, strength, endurance, and muscular control. Karate is a physical art and a sport that anyone, irrespective of size, age, or sex, can practice according to his or her own capabilities. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A62
Karate, Intermediate
1 UNIT
Prerequisite: None
Advisory: KIN-A40
Description: This course in intermediate karate is designed for the student wishing to review basic self defense skills and begin work on higher skills, develop intermediate level skills in unarmed self defense, and learn basic skills in kumite (free fighting). 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A66
Karate, Advanced
1 UNIT
Prerequisite: None
Advisory: KIN-A40
Description: This course in advanced karate will develop the basics necessary for the advanced level of karate skills. The student will learn advanced techniques and develop a personal stress management program. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

KIN-A75A
Walking for Fitness: Advanced
1 UNIT
Prerequisite: None
Description: This course is designed for all students with an emphasis on cardiovascular fitness, setting personal fitness goals and understanding the physiological benefits of a walking program. Walking programs will be established to improve cardiorespiratory endurance. KIN-A75A, A75B and A77 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

KIN-A75B
Walking for Fitness: Advanced
1 UNIT
Prerequisite: None
Description: This course is designed for all students with an emphasis on cardiovascular fitness, setting personal fitness goals and understanding the physiological benefits of a walking program. Walking programs will be established to improve cardiorespiratory endurance. KIN-A75A, A75B and A77 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade or Pass/No Pass option.)

KIN-A77
Walking for Fitness: Advanced
1 UNIT
Prerequisite: None
Description: This course is designed for all students with an emphasis on cardiovascular fitness, setting personal fitness goals and understanding the physiological benefits of a walking program. Walking programs will be established to improve cardiorespiratory endurance. KIN-A75A, A75B and A77 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade or Pass/No Pass option.)
**KIN-A81A**  
**Physical Fitness, Beginning**  
1 UNIT  
**Prerequisite:** None  
Description: This course is designed to give the student an overview of the basic concepts that affect total fitness. Personalized exercise programs in cardiovascular endurance, muscular strength, muscular endurance, and flexibility will be developed. KIN-A81A and A81B are courses related in content and are limited in enrollment according to Title 5, section S5040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

Last Day to add: 09/06/19  
LAB 08/26/19 12/14/19 09:40AM 11:05AM TTH WEQW8  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** F Melgarejo

**KIN-A81B**  
**Physical Fitness, Intermediate**  
1 UNIT  
**Prerequisite:** None  
Description: Provides concepts for total fitness and develops personalized exercise programs for cardiovascular endurance, strength and flexibility.  
LAB 08/26/19 12/14/19 11:00AM 12:25PM MW WEQW8  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** R Aguilar

**KIN-A83**  
**Kickboxing Aerobics**  
1 UNIT  
**Prerequisite:** None  
Description: Basic fitness concepts as well as basic movement skills and exercises with the use of kickboxing in an aerobic format. Students will develop strength, flexibility, endurance, movement memory, balance, coordination and cardiovascular fitness.  
LAB 08/26/19 12/14/19 07:35AM 09:00AM MW WEQW2  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** L Zank

**KIN-A90A**  
**Weight Training - Beginning**  
1 UNIT  
**Prerequisite:** None  
Description: Weight training course designed to teach students the basic exercises for the development of the major muscles. Emphasis is placed on muscular strength, endurance and flexibility.  
LAB 08/26/19 12/14/19 07:35AM 09:00AM MW WEQW8  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** F Melgarejo

**KIN-V01**  
**Cross Country, Varsity, Men**  
3 UNITS  
**Prerequisite:** None  
**Limitation on enrollment:** Retention based on successful tryout  
Description: This course is designed to serve as an opportunity for cross country runners to improve skills, knowledge and strategy of the sport of cross country. The program will consist of a highly organized program of lecture, and individual and group practice sessions to prepare students for intercollegiate competition in cross country. Repeating the course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

Last Day to add: 09/26/19  
LAB 08/26/19 12/14/19 04:00PM 05:30PM MTWTH SOCR1  
The above section is Varsity Men's Cross Country. To enroll please contact the coach.  
**Instructor:** M Tongg

**KIN-V10**  
**Soccer, Varsity Men**  
3 UNITS  
**Prerequisite:** None.  
Description: This course prepares the student athletes to practice and compete at the intercollegiate level in soccer. Athletes will demonstrate proficiency and knowledge of advanced principles of offensive and defensive team concepts. Student athletes will participate in a physical conditioning program designed to prepare them for intercollegiate competition in soccer. Repeating this course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

LAB 08/26/19 12/14/19 08:00AM 09:30AM MTWTH SOCR2  
The above section is Varsity Men's Soccer. To enroll please contact the coach.  
**Instructor:** D Rea

**KIN-V12**  
**Cross Country, Varsity, Women**  
3 UNITS  
**Prerequisite:** None  
**Limitation on enrollment:** Retention based on successful tryout  
Description: This course is designed to serve as an opportunity for cross country runners to improve skills, knowledge and strategy of the sport of cross country. The program will consist of a highly organized program of lecture, and individual and group practice sessions to prepare students for intercollegiate competition in cross country. Repeating the course provides the student an opportunity for additional skill and competency development. May be taken a total of four times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

LAB 08/26/19 12/14/19 03:00PM 04:30PM MTWTH SOCRPATIO  
The above section is Varsity Women's Cross Country. To enroll please contact the coach.  
**Instructor:** L Jalayer
**LIBRARY**

**LIB-1**

*Introduction to Information Literacy*  
1 UNIT  

**Prerequisite:** None  
Description: Presents the fundamentals of the effective use of libraries to find, evaluate, interpret, and organize information online and in print; and to answer research questions and develop new ones. Students will develop an understanding of access to and ethical use of information through the use of retrieval systems. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

37508 Last Day to add: 09/03/19  
OL 08/26/19 10/19/19  
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.  
**Instructor:** M Castro

**KIN-V25**

*Soccer, Varsity, Women*  
3 UNITS  

**Prerequisite:** None  
Limitation on enrollment: Retention based on successful tryout.  
Description: Prepares student athletes to practice and compete at the intercollegiate level in soccer. Athletes will demonstrate proficiency and knowledge of advanced principles of offensive and defensive team concepts. Student athletes will participate in a physical conditioning program designed to prepare them for intercollegiate competition in soccer. Repeating this course provides the student an opportunity for additional skill and competency development. May be taken a total of three times. 175 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37504 Last Day to add: 09/26/19  
LAB 08/26/19 12/14/19 02:30PM 04:00PM MWTH SOCR2  
The above section is Varsity Women's Soccer. To enroll please contact the coach.  
**Instructor:** B Kuderman

**KIN-V94**

*In-Season Varsity Sport Conditioning*  
1 UNIT  

**Prerequisite:** None  
Limitation on enrollment: Retention based on successful tryout.  
Description: Advanced conditioning principles for the design and implementation of an in-season training program during varsity sport competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37505 Last Day to add: 09/06/19  
LAB 08/26/19 12/14/19 02:30PM 03:55PM MW WEQW8  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** D Rea

**MAG-44**

*Principles of Management*  
3 UNITS  

**Prerequisite:** None  
Description: For those who are in management, preparing for a potential promotion or interested in the management process. Includes the primary functions of planning, organizing, controlling, and leading as well as related skills such as team development, motivation and communication techniques, and quality management. Also, social responsibility and a global perspective are emphasized. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

37509 Last Day to add: 10/29/19  
OL 10/21/19 12/14/19  
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.  
**Instructor:** E Doucette

**MAG-47**

*Applied Business, Management Ethics*  
3 UNITS  

**Prerequisite:** None.  
Description: An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as BUS-47)

37510 Last Day to add: 09/03/19  
OL 08/26/19 10/19/19  
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.  
**Instructor:** A Riker

**MAG-53**

*Human Relations*  
3 UNITS  

**Prerequisite:** None  
Description: Practical application of basic psychology in building better employer-employee relationships.  
37512 Last Day to add: 09/03/19  
OL 08/26/19 10/19/19  
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.  
**Instructor:** G Zwart

**MANAGEMENT**

**MAG-56**

*In-Season Varsity Sport Conditioning*  
1 UNIT  

**Prerequisite:** None  
Limitation on enrollment: Retention based on successful tryout.  
Description: Advanced conditioning principles for the design and implementation of an in-season training program during varsity sport competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37505 Last Day to add: 09/06/19  
LAB 08/26/19 12/14/19 02:30PM 03:55PM MW WEQW8  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** D Rea

**MAG-54**

*In-Season Varsity Sport Conditioning*  
1 UNIT  

**Prerequisite:** None  
Limitation on enrollment: Retention based on successful tryout.  
Description: Advanced conditioning principles for the design and implementation of an in-season training program during varsity sport competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37505 Last Day to add: 09/06/19  
LAB 08/26/19 12/14/19 02:30PM 03:55PM MW WEQW8  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** D Rea

**MAG-50**

*In-Season Varsity Sport Conditioning*  
1 UNIT  

**Prerequisite:** None  
Limitation on enrollment: Retention based on successful tryout.  
Description: Advanced conditioning principles for the design and implementation of an in-season training program during varsity sport competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37505 Last Day to add: 09/06/19  
LAB 08/26/19 12/14/19 02:30PM 03:55PM MW WEQW8  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** D Rea

**MAG-51**

*In-Season Varsity Sport Conditioning*  
1 UNIT  

**Prerequisite:** None  
Limitation on enrollment: Retention based on successful tryout.  
Description: Advanced conditioning principles for the design and implementation of an in-season training program during varsity sport competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37505 Last Day to add: 09/06/19  
LAB 08/26/19 12/14/19 02:30PM 03:55PM MW WEQW8  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** D Rea

**MAG-52**

*In-Season Varsity Sport Conditioning*  
1 UNIT  

**Prerequisite:** None  
Limitation on enrollment: Retention based on successful tryout.  
Description: Advanced conditioning principles for the design and implementation of an in-season training program during varsity sport competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37505 Last Day to add: 09/06/19  
LAB 08/26/19 12/14/19 02:30PM 03:55PM MW WEQW8  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** D Rea

**MAG-53**

*Human Relations*  
3 UNITS  

**Prerequisite:** None  
Description: Practical application of basic psychology in building better employer-employee relationships.  
37512 Last Day to add: 09/03/19  
OL 08/26/19 10/19/19  
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.  
**Instructor:** G Zwart

38067 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:30PM 09:40PM  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** E Davalos
MANUFACTURING TECHNOLOGY

MAN-35
Computer Aided Manufacturing-Mastercam

5 UNITS
Prerequisite: None
Advisory: CIS-1A
Description: A course in computer-aided manufacture of parts and assemblies using MasterCam software. Applications of Numerical Control (NC) programming in machine processes with a focus on turning centers and milling operations. This course includes beginning and advanced programming. 63 hours lecture and 81 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37513 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 05:45PM 07:35PM TTH CACT2
08/26/19 12/14/19 07:40PM 10:00PM TTH CACT2

The above section is a web-enhanced class. Internet access is required.
Instructor: P Van Hulle

MAN-55
Occupational Safety and Health Administration (OSHA)

1 UNIT
PREREQUISITE: None.
Prerequisite: None
Covers OSHA policies, procedures, and standards, as well as safety for general industry and health principles. Topics include scope and application of the OSHA general industry standards. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide. Upon successful course completion, the student will receive either an OSHA 10 hour general industry or construction industry training completion card. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

37997 Last Day to add: 10/29/19
OL 10/21/19 12/14/19 ONLINE

The above section is a short term online class. Please note the start and end dates. Computer with Internet access required. See www.opencampus.com.
Instructor: P Van Hulle

Instructor: K Mosley

MAN-64
Programmable Logic Controllers

3 UNITS
Prerequisite: None
Advisory: ELE-10 or ELE-11
Description: Fundamentals of programmable logic controllers, with an emphasis on introductory programming of PLCs. Problem analysis with solutions that integrate programming formats, auxiliary commands and functions, common programming languages, and popular software programs used with PLCs. Installation, maintenance, troubleshooting and repair are inherent components. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Same as ELE-64)

37520 Last Day to add: 09/02/19
WE 08/27/19 10/17/19 09:45AM 11:50AM TTH IT124
08/27/19 10/17/19 12:30PM 03:40PM TTH IT124

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

MAN-72
Commercial and Industrial Electrical Wiring

4 UNITS
Prerequisite: None
Description: Wiring of commercial and industrial buildings including equipment grounding, service grounding, power distribution, conduit types, metal, plastic, flexible, bending and supporting, light distribution and blueprint reading. Hands-on lab experiences are selected to reinforce key theories. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option)

37935 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 08:30AM 11:40AM F ATEC119
08/26/19 12/14/19 12:25PM 03:35PM F ATEC119

The above section is a web-enhanced class. Internet access is required.
Instructor: T Childers
MAN-73
Electric Motors and Transformers  
4 UNITS  
Prerequisite: None  
Description: Enables electricians to understand and effectively wire most standard DC motors, servos and steppers, as well as many AC motors, including single and poly-phase units, from fractional horsepower to multi-horsepower, industrial giants. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)  
37933  Last Day to add: 09/06/19  
WE 08/31/19 12/14/19 08:00AM 11:10AM S ATEC119  
08/31/19 12/14/19 11:30AM 02:40PM S ATEC119  
The above section is a web-enhanced class. Internet access is required.  
Instructor: T Childers  

MAN-74
Industrial Wiring and Controls (same As Elc/Ele-74)  
4 UNITS  
Prerequisite: None  
Description: Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing. Included will be production equipment, conveyor systems, hydraulic and pneumatic controls, power distribution, blueprint reading, electrical control wiring, PLC (programmable logic controller) control wiring, VFD (variable frequency drives) wiring and programming. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/ No Pass option)  
37918  Last Day to add: 10/27/19  
WE 10/21/19 12/13/19 11:25AM 01:30PM MW IT124  
10/21/19 12/13/19 12:00PM 02:15PM F IT124  
10/21/19 12/13/19 02:15PM 04:30PM MW IT124  
10/21/19 12/13/19 02:30PM 04:45PM F IT124  
The above section is a short term web-enhanced class. Internet access is required. Please note start and end dates.  
Instructor: Staff  
38117  Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:00PM 07:25PM MW IT124  
08/26/19 12/14/19 07:35PM 09:00PM MW IT124  
The above section is a web-enhanced class. Internet access is required.  
Instructor: Staff  

MAN-77
Electrical Theory  
3 UNITS  
(Same as ELC/ELE-77) Prerequisite: None  
Description: An introduction to electrical theory, Ohm’s Law, magnetism, electromagnetism, voltage, resistance, current, inductance, capacitance, reactance, impedance, Watts, Volt-Amps, VARs, current control devices, sensors and actuators phase angle, power-factor, transformers, motors, power distribution systems, and proper usage of electrical test equipment (meters). Student will learn concepts of electrical power, energy, Kirchoff’s Laws, along with basic math to solve fundamental electrical problems for both alternating current (A.C.) and direct current (D.C.) circuits. Student will learn basic electrical safety procedures, including the proper use and requirements for personal protective equipment (PPE). 36 hours lecture, 54 hours lab.  
37900  Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:00PM 06:50PM M ATEC119  
08/26/19 12/14/19 06:00PM 07:05PM W ATEC119  
08/26/19 12/14/19 07:15PM 08:40PM MW ATEC119  
The above section is a web-enhanced class. Internet access is required.  
Instructor: K Rad
**MAT-1B**

**Calculus II**

4 UNITS

**Prerequisite:** MAT-1A

Description: Techniques of integration, applications of integration, improper integrals, parametric equations, polar coordinates, infinite sequences and series. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**Last Day to add:** 09/06/19

**Instructor:** L Durfee

**Course Dates:**
- 08/26/19 12/14/19 09:10AM 10:40AM MW WEQW5
- 08/26/19 12/14/19 09:10AM 10:00AM F WEQW5
- 08/26/19 12/14/19 10:05AM 10:55AM F WEQW5

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

**Last Day to add:** 09/06/19

**Instructor:** S Johnson

**Course Dates:**
- 08/26/19 12/14/19 11:20AM 12:10PM TH ATEC204

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

To enroll in a Math 5, 12, 25, or 36 section that is paired with a Math 105, 112, 125, or 136 course, select one of the pairs below and use the course section numbers to sign up. Each of the Math 5, 12, 25 and 36 sections below is linked to a specific section of Math 105, 112, 125, or 136 and students must enroll in both.

Instructors for each of the sections are listed in the schedule of classes section with the complete list of all Math courses.

<table>
<thead>
<tr>
<th>MAT-5</th>
<th>37854</th>
<th>M/W/F 11:00 am - 12:15 pm</th>
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<tbody>
<tr>
<td>MAT-105</td>
<td>37857</td>
<td>M/W 9:45 - 10:55 am</td>
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<th>MAT-12</th>
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<td>MAT-112</td>
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<td>M/W 7:40 - 8:50 am</td>
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<td>M/W 12:25 pm - 1:35 pm</td>
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</table>
Differential Equations

**Description:** This is a course in differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solutions exist, and techniques for obtaining solutions, including linear first and second order differential equations, series solutions, Laplace transforms, linear systems, and elementary applications to the physical and biological sciences. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**Prerequisite:** MAT-1B

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<tr>
<th>Section</th>
<th>Last Day to add:</th>
<th>Days</th>
<th>Times</th>
<th>Location</th>
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<td>37563</td>
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<td>WE</td>
<td>08/26/19 12/14/19 09:40AM 11:45AM</td>
<td>TTH WEQW4</td>
</tr>
</tbody>
</table>

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

**Instructor:** B Johnson

### MAT-3

**Linear Algebra**

**3 UNITS**

**Prerequisite:** MAT-1B

**Description:** This course examines elementary vector space concepts and geometric interpretations and develops the techniques and theory to solve and classify systems of linear equations. Solution techniques include Gaussian and Gauss-Jordan elimination, Cramer’s rule and inverse matrices. Investigates the properties of vectors in two, three, and finite dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as determinants, linear independence, bases and dimension of a vector space, linear transformation and their matrix representations, inner products, norms, orthogonality, eigenvalues, eigenvectors, and eigenspaces. Selected applications of linear algebra are included. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

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<th>Section</th>
<th>Last Day to add:</th>
<th>Days</th>
<th>Times</th>
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<td>37565</td>
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<td>WE</td>
<td>08/26/19 12/14/19 11:25AM 12:50PM</td>
<td>MW WEQW4</td>
</tr>
</tbody>
</table>

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

**Instructor:** J Mulari

### MAT-5

**Calculus for Business and Life Science**

**4 UNITS**

**Prerequisite:** MAT-35

**Description:** A study of the techniques of calculus for majors in business, business administration, life and social sciences. Emphasis on problem solving and applications. Topics include: functions, graphs, limits, derivatives, integrals, exponential and logarithmic functions. 72 hours lecture. (Letter Grade or Pass/No Pass option.)

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<th>Section</th>
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<th>Days</th>
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<td>MWF ATEC211</td>
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</table>

Enrollment in the above class requires first enrolling in MAT-105-37857. The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Park

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**Norco College**

**RIVERSIDE COMMUNITY COLLEGE DISTRICT**

[https://www.bkstr.com/norcocollegestore/](https://www.bkstr.com/norcocollegestore/)
<table>
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<tr>
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<th>Title</th>
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<th>Prerequisite</th>
<th>Description</th>
<th>Instructor</th>
<th>Days</th>
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<th>Location</th>
<th>Last Day to add</th>
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<tr>
<td>MAT-10</td>
<td>Precalculus</td>
<td>5</td>
<td>MAT-36 or qualifying placement level</td>
<td>Preparation for calculus: Polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates, sequences, and series. Students cannot receive credit for MAT 10 if they have already received credit for MAT 23. 90 hours lecture. (Letter Grade or Pass/No Pass option)</td>
<td>M Zeller</td>
<td>WE 08/26/19</td>
<td>12/14/19</td>
<td>ATEC204</td>
<td>09/06/19</td>
</tr>
<tr>
<td>MAT-11</td>
<td>College Algebra</td>
<td>4</td>
<td>MAT-35 or qualifying placement level</td>
<td>A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
<td>J Warsinski</td>
<td>WE 08/26/19</td>
<td>12/14/19</td>
<td>ATEC211</td>
<td>09/06/19</td>
</tr>
<tr>
<td>MAT-12</td>
<td>Statistics</td>
<td>4</td>
<td>MAT-35 or MAT-37 or MAT-43 or qualifying placement level</td>
<td>Description: Preparation for calculus: Polynomial, absolute value, radical, rational, exponential, logarithmic and trigonometric functions and their graphs; analytic geometry, polar coordinates, sequences, and series. Students cannot receive credit for MAT 10 if they have already received credit for MAT 23. 90 hours lecture. (Letter Grade or Pass/No Pass option.)</td>
<td>B Lopez Segoviano</td>
<td>OL 08/26/19</td>
<td>12/14/19</td>
<td>WEQW6A</td>
<td>09/06/19</td>
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<td>The above section is an online class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 10/15 to 10/19 and another day between 12/10 and 12/14.</td>
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Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! [https://www.bkstr.com/norcocollegestore/]
The above section is a web-enhanced class. Internet access is required.
Instructor: N Alvarado
LEC 08/26/19 12/14/19 08:00AM 10:05AM MW CRCCRC609B
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.
Enrolling in the above class requires first enrolling in MAT-112-37877. The above section is a web-enhanced class. Internet access is required.
Instructor: J Warsinski
37870 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 01:05PM 03:10PM MW LIBR108
Enrollment in the above class requires first enrolling in MAT-112-37871. The above section is a web-enhanced class. Internet access is required.
Instructor: K Baccari
37874 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 01:40PM 02:55PM MW ATEC211
Enrollment in the above class requires first enrolling in MAT-112-37873. The above section is a web-enhanced class. Internet access is required.
Instructor: J Warsinski
37536 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 02:00PM 04:05PM TTH WEQW5
The above section is a web-enhanced class. Internet access is required.
Instructor: A Robles
37557 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 03:00PM 05:05PM MW CENT910
The above section is restricted to Centennial High School students participating in Norco College's Dual Enrollment Program. The above section is a web-enhanced class. Internet access is required.
Instructor: H Mai
37549 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 03:00PM 05:05PM TTH ERHSC211
The above section is a web-enhanced class. Internet access is required. The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program.
Instructor: T Young
37547 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 04:15PM 05:30PM MW ATEC210
The above section is a web-enhanced class. Internet access is required.
Instructor: P Singh
37540 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 04:15PM 06:20PM TTH WEQW5
The above section is a web-enhanced class. Internet access is required.
Instructor: A Robles
37876 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 04:20PM 05:35PM MW ATEC211
Enrollment in the above class requires first enrolling in MAT-112-37877. The above section is a web-enhanced class. Internet access is required.
Instructor: B Nguyen
37841 Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 05:40PM 07:45PM T ATEC211
HYB 08/26/19 12/14/19 05:40PM 07:45PM T ATEC211
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
Instructor: V Tran
37872 
WE 08/26/19 12/14/19 06:00PM - 08:05PM  
MW LBR108
Enrollment in the above class requires first enrolling in MAT-112-37873. The above section is a web-enhanced class. Internet access is required.
Instructor: J Burke
37537 
WE 08/26/19 12/14/19 06:15PM - 08:20PM  
MW STEM201
The above section is a web-enhanced class. Internet access is required.
Instructor: P Singh
37544 
WE 08/26/19 12/14/19 06:30PM - 08:35PM TTH WEQW5
The above section is a web-enhanced class. Internet access is required.
Instructor: L Nguyen
38046 
WE 08/26/19 12/14/19 07:55PM - 10:00PM T  
ATEC211
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
Instructor: K Gilman

**MAT-25**

**Mathematics for the Liberal Arts Student**

Prerequisite: MAT-35

Description: A college level survey course of selected topics from the history and development of mathematics, patterns and inductive reasoning, set theory and deductive reasoning, geometry, probability, statistics, and problem solving. You may cover 2 of the following topics: dimensional analysis, geometry, mathematics of different bases, or development of numerical systems from ancient cultures. It is designed for students majoring in liberal arts, education, or communication. Calculators or computers may be used for selected topics. 54 hours of lecture.

37858 
WE 08/26/19 12/14/19 11:25AM - 12:50PM TTH ATEC211
Enrollment in the above class requires first enrolling in MAT-125-37859. The above section is a web-enhanced class. Internet access is required.
Instructor: J Frewing
37564 
WE 08/26/19 12/14/19 12:45PM - 02:10PM MW IT109
The above section is a web-enhanced class. Internet access is required.
Instructor: J Margo
37860 
WE 08/26/19 12/14/19 03:10PM - 04:35PM TTH ATEC211
Enrollment in the above class requires first enrolling in MAT-125-37861. The above section is a web-enhanced class. Internet access is required.
Instructor: C Hsu

**MAT-35**

**Intermediate Algebra**

Prerequisite: MAT-52

Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

37569 
WE 08/26/19 12/14/19 07:00AM - 09:00AM  
TTTH WEQW6A
The above section is a web-enhanced class. Internet access is required.
Instructor: S Park
37575 
WE 08/26/19 12/14/19 09:15AM - 10:50AM  
MWFW WEQW7
The above section is a web-enhanced class. Internet access is required.
Instructor: F Gelenchi
37574 
WE 08/26/19 12/14/19 11:10AM - 12:35PM  
MW ATEC210
08/26/19 12/14/19 ONLINE
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
Instructor: E Chung
37580 
WE 08/26/19 12/14/19 02:30PM - 03:55PM TTH ATEC210
08/26/19 12/14/19 ONLINE
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
Instructor: S Park
37568 
WE 08/26/19 12/14/19 04:15PM - 05:50PM MWF ATEC204
The above section is a web-enhanced class. Internet access is required.
Instructor: J DeGuzman

**MAT-36**

**Trigonometry**

Prerequisite: MAT-35 and MAT-53 OR Appropriate placement.

Description: The study of trigonometric functions, their inverses and their graphs; identities and proofs related to trigonometric expressions; solving trigonometric equations; solving right triangles; solving oblique triangles using the law of sines and cosines; polar coordinates; complex numbers; introduction to vectors and elements of geometry important to the foundation of trigonometry. 72 hours lecture. (Letter Grade or Pass/No Pass option)

37587 
OL 08/26/19 12/14/19 08:20AM - 09:45AM  
WEQW5
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 campus for proctored exams on the following dates: one day between 10/15 to 10/19 and another day between 12/10 and 12/14.
Instructor: B Lopez Segoviano
37862 
WE 08/26/19 12/14/19 11:35AM - 12:50PM  
MWFW LBR108
Enrollment in the above class requires first enrolling in MAT-136-37863. The above section is a web-enhanced class. Internet access is required.
Instructor: B Lopez Segoviano
37589 
WE 08/26/19 12/14/19 01:00PM - 02:15PM MWF WEQW5
08/26/19 12/14/19 ONLINE
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
Instructor: E Chung
### MAT-42  
**Algebra for Statistics and Liberal Arts**  
*6 UNITS*

**Prerequisite:** MAT-64 or MAT-65 or MAT-90F  
Course Credit Recommendation: Non-Degree Credit

**Description:** An Algebra for Statistics and Liberal Arts course designed to enable students to develop conceptual understanding and problem solving competence as preparation for college level statistical reasoning and liberal arts level math. This course integrates numeracy, proportional, algebraic and statistical reasoning; functions and modeling and focuses on developing mathematical maturity through problem solving, critical thinking, data analysis, and the writing and communications of mathematics. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. Emphasis is placed on modeling and problem solving, with techniques and manipulations covered in context. Throughout the course, Math success content will be integrated with mathematical topics. Credit earned does not count toward any degree, nor does it transfer. 108 hours lecture.

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

**Instructor:** E Hwang

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### MAT-105  
**Corequisite Support for Math 5**  
*2 UNITS*

**Prerequisite:** Appropriate Placement

**Corequisite:** MAT-5

**Description:** A concurrent corequisite course containing geometry and algebra concepts designed to support students in Calculus for Business and Life Science. Topics include a review of skills developed in geometry and intermediate algebra: area and volume, factoring, graphing, operations on rational and radical expressions, linear, exponential and logarithmic expressions and equations, functions including composition and inverses, and an in-depth focus on linear and quadratic functions. Topics are taught strategically throughout the semester to provide a “just in time” instruction of skills needed to master concepts in MAT 5 as they arise in that course. A diverse approach to problem solving processes and enhancement of study strategies will prepare the student for later university courses. 36 hours lecture. (Pass/No Pass.)

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<td>10:45AM</td>
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<td>MW</td>
<td>ATEC211</td>
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Enrolling in the above course will require enrolling in MAT-5-37854. The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Park

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### MAT-112  
**Corequisite Support for Math 12**  
*2 UNITS*

**Prerequisite:** Appropriate Placement

**Corequisite:** MAT-12

**Description:** A concurrent corequisite course containing arithmetic and algebraic concepts designed to support students in Statistics. Topics include a review of skills developed in algebra: order of operations, scientific notation, conversion between fractions, decimals, and percents, solving linear equations, and using the symbols, notation, and vocabulary of algebra. Topics are taught strategically throughout the semester to provide a “just in time” instruction of skills needed to master concepts in MAT-12 as they arise in that course. A diverse approach to problem solving processes and enhancement of study strategies will prepare the student for later university courses. 36 hours lecture. (Pass/No Pass.)

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Enrolling in the above course will require enrolling in MAT-12-37868. The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Hutchings
MAT-125
Corequisite Support for Mat-25  2 UNITS
Corequisite: MAT-25 Prerequisite: Appropriate Placement
Description: A concurrent corequisite course containing algebra concepts designed to support the students taking MAT-25 (Mathematics for Liberal Arts Students). Topics include a review of skills from an elementary and intermediate algebra course: Rounding integer values, translating phrases into mathematical expressions, solving problems using percent and decimals, evaluating expressions containing exponents, solving linear equations, applying the four basic operations to real numbers, graphing and writing linear equations using slope and y-intercept, and simplifying expressions using order of operations. Topics are taught strategically throughout the semester to provide "just in time" instruction of skills needed to master concepts in MAT-25 as they arise in that course. A diverse approach to problem solving processes and enhancement of study strategies will prepare the student for later university courses. 36 hours lecture. (Pass/No Pass.)

Instructor: J Warsinski
37871 Last Day to add: 09/10/19
WE 08/26/19 11/22/19 01:07PM 03:10PM F LIBR108
Enrolling in the above course will require enrolling in MAT-12-37870. The above section is a web-enhanced class. Internet access is required.

Instructor: K Baccari
37877 Last Day to add: 09/13/19
WE 08/26/19 11/27/19 03:05PM 04:15PM MW ATEC211
Enrolling in the above course will require enrolling in MAT-12-37876. The above section is a web-enhanced class. Internet access is required.

Instructor: B Nguyen
37873 Last Day to add: 09/09/19
WE 08/29/19 11/21/19 06:00PM 08:05PM TH LIBR108
Enrolling in the above course will require enrolling in MAT-12-37872. The above section is a web-enhanced class. Internet access is required.

Instructor: J Burke

MAT-136
Corequisite Support for Mat-36  2 UNITS
Corequisite: MAT-36 Prerequisite: Appropriate Placement
Corequisite: MAT-36
Description: A concurrent corequisite course containing algebra concepts designed to support students in Trigonometry. Topics include a review of skills developed in intermediate algebra: factoring, graphing linear and quadratic functions, operations on rational and radical expressions, linear and quadratic expressions and equations, and an in-depth focus on operations on functions, including composition and inverses. Topics are taught strategically throughout the semester to provide a "just in time" instruction of skills needed to master concepts in MAT-36 as they arise in that course. A diverse approach to problem solving processes and enhancement of study strategies will prepare the student for later university courses. 36 hours lecture. (Pass/No Pass.)

37863 Last Day to add: 09/13/19
WE 08/26/19 11/27/19 10:20AM 11:30AM MW LIBR108
Enrolling in the above course will require enrolling in MAT-36-37862. The above section is a web-enhanced class. Internet access is required.

Instructor: B Lopez Segoviano
37865 Last Day to add: 09/13/19
WE 08/26/19 11/27/19 03:20PM 04:30PM MW LIBR108
Enrolling in the above course will require enrolling in MAT-36-37864. The above section is a web-enhanced class. Internet access is required.

Instructor: A Baccari

MUSIC INDUSTRY STUDIES
MIS-1A
Beginning Performance Techniques For Studio Recording  2 UNITS
Prerequisite: None
Limitation on enrollment: Audition on or before the first class meeting
Description: Introduction to practical performance techniques for the recording studio. Students will have the opportunity to participate in the planning process of a recording session utilizing techniques such as song formation, microphone technique, mixing and production. The class will culminate in a CD recording. This class is appropriate for vocalists and instrumentalists. 108 laboratory hours.

37617 Last Day to add: 09/06/19
WEL 08/26/19 12/14/19 01:00PM 03:05PM W THTR204
WEL 08/26/19 12/14/19 01:00PM 05:15PM F THTR204
The above section is a web-enhanced class. Internet access is required.

Instructor: B Kerr
38035 Last Day to add: 09/06/19
WEL 08/26/19 12/14/19 06:00PM 09:10PM TTH THTR204
The above section is a web-enhanced class. Internet access is required.

Instructor: B Kerr
MIS-1B
Intermediate Performance Techniques For Studio Recording
Prerequisite: MIS-1A
Description: Continuation of the skills studied in MIS-1A focusing on song collaboration, organization of vocals and instruments needed to record. Students will have the opportunity to participate in the planning process of a recording session utilizing techniques such as song formation, microphone technique, mixing and production. The class will culminate in a CD recording. This class is appropriate for intermediate vocalists and instrumentalists. 108 hours laboratory.

37618 Last Day to add: 09/06/19
WEL 08/26/19 12/14/19 01:00PM 03:05PM W THTR204
08/26/19 12/14/19 01:00PM 05:15PM F THTR204
The above section is a web-enhanced class. Internet access is required.
Instructor: B Kerr

MIS-1C
Advanced Performance Techniques For Studio Recording
Prerequisite: MIS-1B
Description: Advanced performance techniques for the recording studio. A continuation of the skills studied in MIS-1B the focus of this course is communication, song collaboration, studio session mapping. Students will have the opportunity to lead a collaborative group, duet or solo project toward successful completion/recording utilizing techniques such as song formation, microphone technique, mixing and production. The class will culminate in a CD recording. This class is appropriate for advanced vocalists and instrumentalists. 108 hours laboratory.

37619 Last Day to add: 09/06/19
WEL 08/26/19 12/14/19 01:00PM 03:05PM W THTR204
08/26/19 12/14/19 01:00PM 05:15PM F THTR204
The above section is a web-enhanced class. Internet access is required.
Instructor: B Kerr

MIS-3
Digital Audio Production 1
Prerequisite: None
Description: This course introduces the techniques and elements of electronic music production. Topics include synthesis, sampling, MIDI sequencing and audio production. Students will create original compositions using electronic music techniques. Students taking this course will complete the official AVID coursework for Pro Tools 101 and 110 and will have the opportunity to obtain AVID Pro Tools User Certification. 54 hours lecture and 54 hours laboratory.

37621 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 02:00PM 03:25PM TTH IT106
08/26/19 12/14/19 03:35PM 05:00PM TTH IT106
The above section is a web-enhanced class. Internet access is required.
Instructor: S Orozco

MIS-7
Introduction To Music Technology
Prerequisite: None
Description: This introductory course examines the terminology, equipment, techniques, and concepts related to music technology. The course will survey the principles and practices of audio, MIDI synthesis, notation, and audio recording utilizing hardware and software platforms. 36 hours lecture and 54 hours laboratory.

37622 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 08:00AM 09:05AM M IT106
08/26/19 12/14/19 08:00AM 08:50AM W IT106
08/26/19 12/14/19 09:15AM 10:40AM MW IT106
The above section is a web-enhanced class. Internet access is required.
Instructor: S Orozco

MIS-11A
Studio Arts Ensemble I
Prerequisite: None
Limitation on enrollment: Audition on or before the first class meeting
Description: An ensemble designed for instrumentalists and vocalists interested in the popular music and entertainment industries. This ensemble is open to: singers, guitarists, drummers, bassists, horn players, string players and keyboardists who work collaboratively to study, perform and/or record selected popular musical arrangements. The music studied in this class will be chosen from a diverse body of popular music literature. Subsequent enrollment will provide students an opportunity for additional skill development and competency in the subject area. May be taken a total of two times. 108 hours laboratory. (TBA option)

37614 Last Day to add: 09/26/19
WEL 08/26/19 12/14/19 04:00PM 05:55PM TTH THTR204
The above section is a web-enhanced class and has additional laboratory hours to be arranged. 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.
Instructor: B Kerr
MIS-11B  
**Studio Arts Ensemble II**  
Prerequisite: MIS-11A  
Description: A continuation of the skill development of instrumentalists and vocalists interested in the popular music and entertainment industries. This ensemble is open to singers, guitarists, drummers, bassists, horn players, string players and keyboardists who work collaboratively to study, perform and/or record selected popular musical arrangements. The music studied in this class will be chosen from a diverse body of popular music literature. Subsequent enrollment will provide students an opportunity for additional skill development and competency in the subject area. May be taken a total of two times.  
108 hours laboratory. (TBA option)  
37615  
Last Day to add: 09/26/19  
WEL  
08/26/19 12/14/19 04:00PM 05:55PM  TTH TTR204  
The above section is a web-enhanced class and has additional laboratory hours to be arranged. 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.  
Instructor: B Kerr  

MIS-12  
**Live Sound Reinforcement**  
Prerequisite: None  
Description: This course is an overview of live concert sound reinforcement. This course focuses on the fundamentals of equipment set up and configuration, mixing surfaces, amplifiers, speakers, signal path, signal processing, microphones, monitoring and mixing techniques and acoustics. This course offers opportunities for hands-on experience in troubleshooting, sound checking and mixing live sound. 36 hours lecture and 54 hours laboratory.  
37616  
Last Day to add: 09/06/19  
WE  
08/26/19 12/14/19 09:40AM 10:45AM TH THTR204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A Eastwood  

MARKETING  
MKT-20  
**Principles of Marketing**  
Prerequisite: None  
Advisory: BUS-10  
Description: Examines the role of marketing as it relates to society and economic development. The course will analyze products, consumer, marketing research and strategic market planning. The course will survey with a global perspective, the selection of target markets as well as the development of the marketing mix: place, product, price and promotion. 54 hours lecture.  
37623  
Last Day to add: 09/06/19  
WE  
08/26/19 12/14/19 06:30PM 09:40PM  T  
JKF112  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A Riker  

MUS  
MUS-3  
**Fundamentals of Music**  
Prerequisite: None  
Advisory: MUS-32A or Concurrent enrollment in an appropriate level piano class.  
Description: Through guided music notation and analysis, Fundamentals of Music incorporates the following concepts: Rhythm and meter; basic properties of sound; intervals; diatonic scales and triads; diatonic chords; basic cadential formulas and phrase structure; dominant seventh; figured bass symbols; and non-harmonic tones. Development of skills in handwritten notation is expected. Laboratory includes sight singing and ear training activities that incorporate melodic, harmonic, and rhythmic dictation. Keyboard activities require the playing of major and minor scales, modes, triads, and seventh chords. 54 hours lecture and 54 hours laboratory. (TBA option)  
37629  
Last Day to add: 09/10/19  
WE  
08/26/19 11/27/19 08:00AM 09:10AM MWF HUM101  
08/26/19 11/27/19 09:30AM 10:40AM MWF HUM101  
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.  
Instructor: A Eastwood  K Kamerin  

MUS-5  
**Music Theory II**  
Prerequisite: MUS-4 or the equivalent  
Advisory: MUS-32C or Concurrent enrollment in an appropriate level piano class.  
Description: Continued study and application of techniques acquired during Music Theory I. In addition, through guided composition and analysis, Music Theory II includes: Common Practice period voice leading involving four-part chorale writing; diatonic harmony; chromatic harmony; secondary/applied chords; modulation; borrowed chords; the Neapolitan chord; augmented sixth chords; and an introduction to binary and ternary forms. Laboratory includes chromatic sight singing and ear training activities that incorporate melodic, harmonic, and rhythmic dictation. Keyboard activities require the playing of chromatic chord progressions. 54 hours lecture and 54 hours laboratory. (TBA option)  
37639  
Last Day to add: 09/10/19  
WE  
08/26/19 11/27/19 08:00AM 09:10AM MWF HUM101  
08/26/19 11/27/19 09:30AM 10:40AM MWF HUM101  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A Eastwood  K Kamerin  

MUS-19  
**Music Appreciation**  
Prerequisite: None  
Description: A broad survey of music in the Western world, including terminology for describing musical elements, forms, and styles. Organized to acquaint students with the roles of music and musicians in society and with representative musical selections describing musical elements, forms, and styles. Organized to acquaint students with the roles of music and musicians in society and with representative musical selections through listening, reading, writing, and live performance. 54 hours lecture.  
37625  
Last Day to add: 09/06/19  
OL  
08/26/19 12/14/19  
08:00AM 09:00AM ONLINE  
The above section is an online class. Computer with Internet access required.  
Instructor: I Zubizarreta
MUS-23

History of Rock and Roll  
**3 UNITS**

**Prerequisite:** None

Description: A comprehensive study of rock and roll music from its origins to the present with emphasis on the historical, musical, and sociological influences. Study includes listening to music and identifying stylistic trends and influential artists. 54 hours lecture.

<table>
<thead>
<tr>
<th>Code</th>
<th>Start Date</th>
<th>End Date</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37969</td>
<td>08/26/19</td>
<td>12/14/19</td>
<td>TTH</td>
<td>08:00AM-10:45AM</td>
<td>0:00PM-03:45PM</td>
<td>J Lee</td>
</tr>
</tbody>
</table>

The above section is restricted to Corona High School students participating in Norco College's Dual Enrollment Program.

**Instructor:** Staff

MUS-25

Jazz Appreciation  
**3 UNITS**

**Prerequisite:** None

Description: A comprehensive study of jazz from its origins to the present day. Study will be centered on influential composers, instrumentalists, vocalists and arrangers. There will also be an introduction to, and study of, musical elements such as instrumentation, lyrics, form, rhythm and harmony. 54 hours lecture.

<table>
<thead>
<tr>
<th>Code</th>
<th>Start Date</th>
<th>End Date</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37628</td>
<td>08/26/19</td>
<td>12/14/19</td>
<td>TTH</td>
<td>12:45PM-02:10PM</td>
<td>06:30PM-09:40PM</td>
<td>T Walton</td>
</tr>
</tbody>
</table>

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

**Instructor:** T Walton

MUS-31

College Choir  
**1 UNIT**

**Prerequisite:** None

Description: A vocal ensemble of mixed voices dedicated to the study, rehearsal, and performance of a variety of choral literature. May be taken a total of four times. 54 hours laboratory.

<table>
<thead>
<tr>
<th>Code</th>
<th>Start Date</th>
<th>End Date</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37630</td>
<td>08/27/19</td>
<td>11/26/19</td>
<td>TTH</td>
<td>09:40AM-02:10PM</td>
<td>03:45PM-06:00PM</td>
<td>K Kamerin</td>
</tr>
</tbody>
</table>

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

**Instructor:** K Kamerin

MUS-32A

Class Piano I  
**1 UNIT**

**Prerequisite:** None

Description: This beginning course focuses on developing the skills needed for performing on piano, including reading from music notation, rhythm study, technique, expression, improvisation, harmonization, transposition, repertoire and style study. 54 hours laboratory.

<table>
<thead>
<tr>
<th>Code</th>
<th>Start Date</th>
<th>End Date</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37631</td>
<td>08/26/19</td>
<td>12/14/19</td>
<td>TTH</td>
<td>11:15AM-02:40PM</td>
<td>03:45PM-06:15PM</td>
<td>N Pirozzi</td>
</tr>
</tbody>
</table>

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

**Instructor:** N Pirozzi

MUS-32B

Class Piano II  
**1 UNIT**

**Prerequisite:** MUS-32A or the equivalent

Description: Continuation of the skills studied in MUS 32A focusing on techniques needed for performing on piano, including playing select major and parallel minor scales, reading music on the grand staff, tapping rhythms, harmonizing melodies using simple accompaniments, transposing, and simple score reading. 54 hours laboratory.

<table>
<thead>
<tr>
<th>Code</th>
<th>Start Date</th>
<th>End Date</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>37632</td>
<td>08/26/19</td>
<td>12/14/19</td>
<td>TTH</td>
<td>11:15AM-02:40PM</td>
<td>03:45PM-06:15PM</td>
<td>N Pirozzi</td>
</tr>
</tbody>
</table>

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

**Instructor:** N Pirozzi

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Instructor: B Palispis

MUS-32C

Class Piano III 1 UNIT

Prerequisite: MUS-32B or the equivalent

Description: Continuation of the skills studied in MUS 32B focusing on keyboard techniques required for playing major and minor scales, diatonic chord progressions, harmonizing melodies, transposing, accompanying, score reading, reading chord symbols, sight reading and performance of intermediate-level piano learning pieces. 54 hours laboratory.

37633 Last Day to add: 09/06/19
WEL 08/26/19 12/14/19 11:15AM 12:40PM TTH HUM101

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

Instructor: Z Shehata

MUS-32D

Class Piano IV 1 UNIT

Prerequisite: MUS-32C or the equivalent

Description: Culmination of keyboard skills previously studied focusing on increasing keyboard facility for playing major and minor scales and arpeggios, diatonic chord progressions, harmonizing melodies, modulating, transposing, accompanying, simple score reading, sight reading and performance of piano pieces from the standard classical piano teaching literature. 54 hours laboratory.

37634 Last Day to add: 09/06/19
WEL 08/26/19 12/14/19 11:15AM 12:40PM TTH HUM101

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

Instructor: N Pirozzi

MUS-37

Class Guitar 1 UNIT

Prerequisite: None

Description: Development of basic guitar playing skills, including reading from music notation, reading chord symbols, transposition, and playing open chords, barre chords, scales, and simple melodies. 54 hours laboratory.

37635 Last Day to add: 09/25/19
WEL 08/26/19 12/14/19 04:10PM 05:35PM MW THTR204

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

Instructor: B Palispis

MUS-38

Beginning Applied Music I 2 UNITS

Prerequisite: None

Limitation on enrollment: Audition on or before the first class meeting

Description: Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete a minimum of 6.75 hours a week in a combination of individualized practice, lessons and concert attendance. Not designed for beginning students. May be taken a total of four times. 162 hours laboratory.

37636 Last Day to add: 09/28/19
WEL 08/26/19 12/14/19 04:15PM 05:40PM MW HUM101

The above section is a web-enhanced class and has a 162-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 Tuesday, August 27th, 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, September 1st. 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 the instructor. kim.kamerin@norcocollege.edu or call 951-738-7703.

Instructor: K Kamerin

MUS-39

Applied Music I 3 UNITS

Prerequisite: None

Limitation on enrollment: Audition on or before the first class meeting

Description: Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 10.125 hours per week in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. May be taken a total of four times. 162 hours laboratory.

37637 Last Day to add: 09/28/19
WEL 08/26/19 12/14/19 12:45PM 02:10PM MW HUM101

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 Tuesday, August 27th, 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, August 31st. 9 hours of lessons 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 the instructor. kim.kamerin@norcocollege.edu or call 951-738-7703.

Instructor: K Kamerin

HYB - Hybrid Lecture • HYBL - Hybrid Lab • HYBLO - Hybrid Online Lab • HYBO - Hybrid Online Lecture • LAB - Lab • LEC - Lecture • OL - Online Lecture • OLL - Online Lab • WE - Web Enhanced Lecture • WEL - Web Enhanced Lab • WRK - Work Experience Lecture • WRKH - Hybrid Work Experience • WRKO - Work Experience Online

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MUS-41
Chamber Singers  2 UNITS
Prerequisite: None
Limitation on enrollment: Audition on or before the first class meeting
Description: This course is for the study, rehearsal, and public performance of literature
for vocal chamber ensemble, with an emphasis on the development of skills needed to
perform within an ensemble. Different literature will be studied each semester. Participa-
tion in public performances is required. May be taken a total of four times. 108 hours laboratory. (TBA option)
37638  Last Day to add: 09/23/19
WEL  08/26/19  11/27/19  11:00AM  12:35PM  MWF  THTR204
The above section has additional laboratory hours to be arranged. In addition to the
time spent in class, students are expected to perform outside of class at various locations
throughout the semester. All concert dates and times will be listed on the class syllabus.
Contact the instructor for additional information. The above section is a web-enhanced
class. Internet access is required.
Instructor: K Kamerin

MUS-67
Community Chamber Ensemble  1 UNIT
Prerequisite: None
Limitation on enrollment: Audition on or before the first class meeting
Description: The study, rehearsal, and public performance of advanced instrumental
chamber ensemble literature, with an emphasis on the development of skills needed to
perform within an ensemble. Different literature will be studied each semester. Participa-
tion in public performances is required. May be taken a total of four times. 54 hours laboratory. (TBA option)
38045  Last Day to add: 09/06/19
WEL  08/26/19  12/14/19  06:30PM  09:40PM  T  THTR101
The above section is a web-enhanced class. Internet access is required.
Instructor: J Lee

MUS-70
Guitar Lab Ensemble  1 UNIT
Prerequisite: MUS-37
Limitation on enrollment: Audition on or before first class meeting
Description: Study and performance of beginning and intermediate literature for guitar
ensemble. May be taken a total of four times. 54 hours laboratory.
37640  Last Day to add: 09/06/19
WEL  08/26/19  12/14/19  06:00PM  07:25PM  MW  THTR204
The above section is a web-enhanced class. Internet access is required.
Instructor: B Palispis

MUS-71
College Chorus  1 UNIT
Prerequisite: None.
Limitation on enrollment: Audition on or before the first class meeting. Description:
An advanced vocal ensemble of mixed voices dedicated to the further study, rehearsal,
and performance of a variety of choral literature. Different literature will be studied each
semester. May be taken a total of four times. 54 hours laboratory.
38038  Last Day to add: 09/09/19
WEL  08/27/19  11/26/19  02:10PM  03:45PM  TTH  THTR204
The above section is a short term web-enhanced class. Internet access is required. Please
note the start and end dates.
Instructor: K Kamerin

MUS-78
Beginning Applied Music II  2 UNITS
Prerequisite: None
Limitation on enrollment: Audition on or before the first class meeting
Description: Advanced vocal or instrumental instruction for students who are proficient
performers and could benefit from individualized instruction as determined by audition.
Course includes individual lessons, supervised practice, individual performance, and jury
evaluations. Not designed for beginning students. Course may be taken a total of four
times. 108 hours laboratory. (TBA option)
37641  Last Day to add: 09/28/19
WEL  08/26/19  12/14/19  THTR204
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 Tuesday, August 27th 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, August 31st. 6 hours of lessons 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
the instructor. kim.kamerin@norcocollege.edu or call 951-738-7703.
Instructor: K Kamerin
MUS-79
Applied Music II 3 UNITS
Prerequisite: None
Limitation on enrollment: Audition on or before the first class meeting.
Corequisite: Enrollment in a two-unit performance class.
Description: Advanced vocal or instrumental instruction for students who are proficient
performers and could benefit from individualized instruction as determined by audition.
Each student must complete 10.125 hours per week in a combination of individualized
practice, lessons, concert attendance and individual performance. Not designed for be-
inning students. Course may be taken a total of four times. 162 hours laboratory.
37642  Last Day to add: 09/28/19
WEL 08/26/19 12/14/19  THTR204
The above section is a web-enhanced class and has a 162-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 Tuesday, August 31st from 12:00PM - 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, August 31st. 12 hours of lessons are to be arranged with
your instructor. In addition, students are required to practice in the Norco music practice
facilities for 9 hours each week. For additional information, please email the instructor.
kim.kamerin@norcocolleger.edu or call 951-738-7703.
Instructor: K Kamerin

MUS-81
Consort Singers 2 UNITS
Prerequisite: None Limitation on enrollment (e.g. Performance tryout or audition):
Audition on or before the first class meeting.
Description: Study, rehearsal, and public performance of literature written for vocal
ensemble, with an emphasis on the development of skills needed to be a professional
musician and section leader within an ensemble. Different literature will be studied each
semester. Participation in public performances is required. May be taken a total of four
times. 108 hours laboratory. (TBA option)
38044  Last Day to add: 09/23/19
WEL 08/26/19 11/27/19 11:00AM 12:35PM MWF  THTR204
The above section has additional laboratory hours to be arranged. In addition to the
time spent in class, students are expected to perform outside of class at various locations
throughout the semester. All concert dates and times will be listed on the class syllabus.
Contact the instructor for additional information. The above section is a web-enhanced
class. Internet access is required.
Instructor: K Kamerin

MUS-89
Music of Multicultural America 3 UNITS
Prerequisite: None
Description: A comparative and integrative study of the multicultural musical styles of
the United States.
37643  Last Day to add: 09/06/19
OL 08/26/19 12/14/19  ONLINE
The above section is an online class. Computer with Internet access required.
Instructor: I Zubizarreta

PHILOSOPHY

PHI-10
Introduction to Philosophy 3 UNITS
Prerequisite: None
Advisory: ENG-50 or ENG-80
Description: A survey and exploration of significant questions in the Western philosophi-
cal tradition. Questions are drawn from the various branches of philosophy: metaphys-
ics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of
religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.
37648  Last Day to add: 09/06/19
OL 08/26/19 12/14/19  ONLINE
The above section is an online class. Computer with Internet access required.
Instructor: L Montes

Recommended text:
I Zubizarreta

PHI-11
Critical Thinking 3 UNITS
Prerequisite: None
Advisory: REA-82
Description: This course presents critical thinking as a skill to be used for better un-
derstanding, evaluating, and constructing arguments. The focus will be on developing
and enhancing the student’s ability to identify, analyze, and present arguments. Topics
covered through analysis and writing include the nature of argument, inductive and
deductive reasoning, rhetoric, theory of knowledge, scientific method, and informal
fallacies. 54 hours lecture.
37651  Last Day to add: 09/06/19
OL 08/26/19 12/14/19  ONLINE
The above section is an online class. Computer with Internet access required.
Instructor: L Montes

Recommended text:
I Zubizarreta

PHI-10
Introduction to Philosophy 3 UNITS
Prerequisite: None
Advisory: ENG-50 or ENG-80
Description: A survey and exploration of significant questions in the Western philosophi-
cal tradition. Questions are drawn from the various branches of philosophy: metaphys-
ics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of
religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.
37648  Last Day to add: 09/06/19
OL 08/26/19 12/14/19  ONLINE
The above section is an online class. Computer with Internet access required.
Instructor: L Montes

Recommended text:
I Zubizarreta

PHI-11
Critical Thinking 3 UNITS
Prerequisite: None
Advisory: REA-82
Description: This course presents critical thinking as a skill to be used for better un-
derstanding, evaluating, and constructing arguments. The focus will be on developing
and enhancing the student’s ability to identify, analyze, and present arguments. Topics
covered through analysis and writing include the nature of argument, inductive and
deductive reasoning, rhetoric, theory of knowledge, scientific method, and informal
fallacies. 54 hours lecture.
37651  Last Day to add: 09/06/19
OL 08/26/19 12/14/19  ONLINE
The above section is an online class. Computer with Internet access required.
Instructor: L Montes

Recommended text:
I Zubizarreta

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### PHYSICAL SCIENCE

**PHS-1**  
**Introduction to Physical Science**  
**3 UNITS**  
**Prerequisite:** None  
**Description:** Fundamental concepts of earth, space, and environmental science (astronomy, geology, meteorology, and oceanography) and principles of physics and chemistry, especially as they relate to these fields. Emphasis is placed on the application of science in the understanding and solution of environmental problems. 54 hours lecture.  
**37655**  
**Last Day to add:** 09/06/19  
**WE 08/26/19 12/14/19 08:00AM 09:25AM TTH HUM201**  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** D Johnson

### PHYSICS

**PHY-2B**  
**General Physics II**  
**4 UNITS**  
**Prerequisite:** PHY-2A  
**Description:** Meets the requirements for students majoring in biological science, including pre-medical and pre-dental students. This course includes: study of thermodynamics, including temperature, methods of heat transfer, calorimetry, ideal gas law, laws of thermodynamics, entropy, and heat engines; study of electricity and magnetism, including electric field and potential, Gauss Law, current, Ohm’s Law, capacitance and inductance, Faradays Law; study of optics, including electromagnetic waves, reflection, refraction, interference, and diffraction; study of modern physics, including the photoelectric effect, de Broglie wavelength, quantum numbers, and radioactive decay. 54 hours lecture and 54 hours laboratory.  
**37659**  
**Last Day to add:** 09/06/19  
**WE 08/26/19 12/14/19 11:15AM 12:40PM TTH HUM201**  
**08/26/19 12/14/19 02:00PM 05:10PM TH HUM201**  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** O Tripathi

**PHY-4A**  
**Mechanics**  
**4 UNITS**  
**Prerequisite:** None  
**Corequisite:** MAT-1A  
**Description:** Examines vectors, particle kinematics and dynamics, work and power, conservation of energy and momentum, rotation, oscillations and gravitation. 54 hours lecture and 54 hours laboratory.  
**37660**  
**Last Day to add:** 09/06/19  
**WE 08/26/19 12/14/19 09:15AM 10:40AM MW HUM201**  
**08/26/19 12/14/19 02:30PM 05:40PM MW HUM201**  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** O Tripathi

**PHI-12**  
**Ethics: Contemp Moral Issues**  
**3 UNITS**  
**Prerequisite:** None  
**Description:** An examination of contemporary moral problems in light of ethical theory.  
**38033**  
**Last Day to add:** 09/06/19  
**WE 08/26/19 12/14/19 09:15AM 10:40AM MW LIBR121**  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Gill

**PHI-19**  
**Native Amer Thought**  
**3 UNITS**  
**Prerequisite:** None  
**Description:** Introduction to Native American philosophies, religions, beliefs and practices historically and as they relate to contemporary society.  
**38031**  
**Last Day to add:** 09/06/19  
**WE 08/26/19 12/14/19 12:45PM 02:10PM MW IT111**  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** M Murphey

**PHY-2A**  
**General Physics I**  
**4 UNITS**  
**Prerequisite:** None  
**Description:** Meets the requirements for students majoring in biological science, including pre-medical and pre-dental students. This course includes: study of thermodynamics, including temperature, methods of heat transfer, calorimetry, ideal gas law, laws of thermodynamics, entropy, and heat engines; study of electricity and magnetism, including electric field and potential, Gauss Law, current, Ohm’s Law, capacitance and inductance, Faradays Law; study of optics, including electromagnetic waves, reflection, refraction, interference, and diffraction; study of modern physics, including the photoelectric effect, de Broglie wavelength, quantum numbers, and radioactive decay. 54 hours lecture and 54 hours laboratory.  
**37653**  
**Last Day to add:** 09/06/19  
**WE 08/26/19 12/14/19 08:30PM 10:35PM MW IT101**  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Sentmanat

**PHI-19**  
**Native Amer Thought**  
**3 UNITS**  
**Prerequisite:** None  
**Description:** Introduction to Native American philosophies, religions, beliefs and practices historically and as they relate to contemporary society.  
**38033**  
**Last Day to add:** 09/06/19  
**WE 08/26/19 12/14/19 08:30PM 10:35PM MW IT101**  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Sentmanat

**PHYSICAL SCIENCE**

**PHS-1**  
**Introduction to Physical Science**  
**3 UNITS**  
**Prerequisite:** None  
**Description:** Fundamental concepts of earth, space, and environmental science (astronomy, geology, meteorology, and oceanography) and principles of physics and chemistry, especially as they relate to these fields. Emphasis is placed on the application of science in the understanding and solution of environmental problems. 54 hours lecture.  
**37655**  
**Last Day to add:** 09/06/19  
**WE 08/26/19 12/14/19 08:00AM 09:25AM TTH HUM201**  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** D Johnson
<table>
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<tr>
<th>Course Code</th>
<th>Title</th>
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<th>Start Date</th>
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<th>Notes</th>
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<tr>
<td>PHY-4C</td>
<td>Heat, Light and Waves</td>
<td>4</td>
<td>08/26/19</td>
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<tr>
<td>PHY-10</td>
<td>Introduction to General Physics</td>
<td>3</td>
<td>08/26/19</td>
<td>12/14/19</td>
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<td>IT101</td>
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<td>PHY-11</td>
<td>Physics Laboratory</td>
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<td>POL-1</td>
<td>American Politics</td>
<td>3</td>
<td>08/26/19</td>
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**POLITICAL SCIENCE**

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<th>Course Code</th>
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<th>Instructor</th>
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<tr>
<td>POL-1</td>
<td>American Politics</td>
<td>3</td>
<td>08/26/19</td>
<td>12/14/19</td>
<td>OL</td>
<td>08:26/19</td>
<td>Online</td>
<td>S Popiden</td>
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</table>
POL-5
The Law and Politics  3 UNITS
Prerequisite: None
Advisory: REA-83 and qualification for English 1A
Description: The principles and problems of the constitution are examined, emphasis on how the constitution impacts public policy. Also, the course looks at the constitutional considerations affecting civil rights and liberties. 54 hours lecture.
OL 08/26/19 12/14/19 03:00PM 04:25PM TTH STEM201
The above section is an online class. Computer with Internet access required.
Instructor: L Adams

POL-7A
Current Political Issues A  3 UNITS
Prerequisite: None
Advisory: Qualification for English 1A
Description: Current political issues is designed to provide students the opportunity to examine major national and global issues which are not fully covered in the regular department curriculum. Topics selected are defined as current critical issues facing our nation and globe and will vary with each course offering. Each issue will be covered in detail, as will potential solutions to each issue and the political bodies involved in attempting resolution. 54 hours lecture.
OL 08/26/19 12/14/19 02:30PM 03:55PM TTH STEM201
The focus of the above section is Latina/o/x Politics. The above section is a web-enhanced class. Internet access is required.
Instructor: P Clark

PSYCHOLOGY
PSY-1
General Psychology  3 UNITS
Prerequisite: None.
Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.
OL 08/26/19 12/14/19 09:00PM 10:25PM MW STEM201
The above section is an online class. Computer with Internet access required.
Instructor: L Adams

POL-4H
Honors Introduction to World Politics  3 UNITS
Prerequisite: None
Advisory: REA-83 and Qualification for ENG-1A
Limitation on enrollment: Enrollment in the Honors Program
Description: A study of the theories, paradigms, and issues of global politics. Special attention is given to the role of the United States in the international community, the role of international organizations and international political economy. 54 hours lecture.
OL 08/26/19 12/14/19 10:00AM 11:25AM TTH STEM201
The above section is an online class. Computer with Internet access required.
Instructor: T Caddell

PSY-1
General Psychology  3 UNITS
Prerequisite: None.
Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.
OL 08/26/19 12/14/19 09:00PM 10:25PM MW STEM201
The above section is an online class. Computer with Internet access required.
Instructor: L Adams

POL-4
Introduction to World Politics  3 UNITS
Prerequisite: None
Advisory: Qualification for ENG-1A and REA-83
Description: A study of the theories, paradigms, and issues of global politics. Special attention is given to the role of the United States in the international community, the role of international organizations and international political economy. 54 hours lecture.
OL 08/26/19 12/14/19 10:00PM 11:25PM TTH STEM201
The above section is an online class. Computer with Internet access required.
Instructor: T Caddell

HYB 08/26/19 12/14/19 06:00PM 08:00PM TSTEM201
The above section is a hybrid class. Computer with Internet access required.
Instructor: C Moffatt

HYB 08/26/19 12/14/19 10:00AM 11:25AM TTH STEM201
The above section is a hybrid class. Internet access is required.
Instructor: C Moffatt

HYB 08/26/19 12/14/19 12:30PM 01:55PM TTH STEM201
The above section is a hybrid class. Internet access is required.
Instructor: C Moffatt

HYB 08/26/19 12/14/19 01:00PM 02:25PM TSTEM201
The above section is a hybrid class. Internet access is required.
Instructor: S Popiden

HYB 08/26/19 12/14/19 02:30PM 03:55PM TTH STEM201
The focus of the above section is Latina/o/x Politics. The above section is a web-enhanced class. Internet access is required.
Instructor: P Clark

HYB 08/26/19 12/14/19 02:40PM 03:55PM MW STEM201
The above section is an online class. Computer with Internet access required.
Instructor: L Adams

HYB 08/26/19 12/14/19 06:00PM 08:00PM TSTEM201
The above section is a hybrid class. Computer with Internet access required.
Instructor: C Moffatt

HYB 08/26/19 12/14/19 06:00PM 08:00PM TSTEM201
The above section is a hybrid class. Internet access is required.
Instructor: C Moffatt

HYB 08/26/19 12/14/19 06:00PM 08:00PM TSTEM201
The above section is a hybrid class. Internet access is required.
Instructor: C Moffatt

HYB 08/26/19 12/14/19 10:00AM 11:25AM TTH STEM201
The above section is a hybrid class. Internet access is required.
Instructor: C Moffatt
PSY-9
Developmental Psychology  3 UNITS

Prerequisite: None.

Description: Examines the prevailing theories and research of developmental psychology and the stages of human development from conception to death.

37706  Last Day to add: 09/06/19
OL  08/26/19  12/14/19  ONLINE

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

Instructor: K Zamiska

37707  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  07:35AM  09:00AM  MW  IT202

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

Instructor: J Trujillo

PSY-8
Introduction to Social Psychology  3 UNITS

Prerequisite: None.

Description: The study of individual human behavior in relation to the social environment.

37698  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  11:10AM  12:35PM  MW  IT202

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

Instructor: J Trujillo

PSY-2
Biological Psychology  3 UNITS

Prerequisite: PSY-1

Description: The scientific study of brain-behavior relationships and mental processes. Issues addressed include: historical scientific contributions and current research principles for studying brain-behavior associations and mental processes, basic nervous system structure and function, sensory and motor systems, emotion, motivation, learning and memory, sleep and dreaming, and neurological and mental disorders. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental investigations. 54 hours lecture.

37693  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  11:15AM  12:40PM  TTH  IT122

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

Instructor: L Adams

37692  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  12:45PM  02:10PM  MW  IT202

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

Instructor: L Adams
The above section is a web-enhanced class. Internet access is required.

**Instructor:** K Zamiska

**PSY-48**

**Statistics for the Behavioral Sciences**

**3 UNITS**

**Prerequisite:** MAT-35

Description: This course introduces students to basic statistical methods and analyses commonly used in behavioral science research. Topics cover both inferential and descriptive statistics including correlations, regression analysis, chi-squares, t-tests, analysis of variance, and an introduction to factorial designs. This course covers the logic of hypothesis testing and emphasizes conceptualization of material and interpreting findings for use in behavioral science research above computation. This course trains students to use a statistical software package used by behavioral science researchers and prepares them to proficiently consume published research in the behavioral sciences. 54 hours lecture.

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

**Instructor:** A Deane

**PSY-50**

**Research Methods in Psychology**

**4 UNITS**

**Prerequisite:** PSY-1 and PSY-48 or MAT-12 or MAT-12H

Description: Introduces students to psychological research methods with emphasis on the use of the scientific method. The laboratory will complement the lectures and allow each student to design and conduct behavioral research, including collecting and analyzing research data. 63 hours lecture and 27 hours laboratory.

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

**Instructor:** L Adams

**PSY-33**

**Theories of Personality**

**3 UNITS**

**Prerequisite:** None

Description: A survey and assessment of the basic concepts, theories, science, and principles of the prevailing theories of personality.

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<tr>
<th>Course Code</th>
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</table>

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

**Instructor:** J Hicks

**PSY-35**

**Abnormal Psychology**

**3 UNITS**

**Prerequisite:** None

Description: A survey of the nature, causes and treatment of psychological disorder.

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

**Instructor:** K Zamiska

**ACADEMIC LITERACY AND READING**

**REA-4**

**Critical Reading as Critical Thinking**

**3 UNITS**

**Prerequisite:** None

Description: The relationship between critical reading and critical thinking. Emphasis will be placed on the development of reading skills in the interpretation, analysis, criticism and advocacy of ideas encountered in academic reading. 54 hours lecture.

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

**Instructor:** M Sloniger

**HYB** - Hybrid Lecture • **HYBL** - Hybrid Lab • **HYBLO** - Hybrid Online Lab • **HYBO** - Hybrid Online Lecture • **LAB** - Lab • **LEC** - Lecture • **OL** - Online Lecture • **OLL** - Online Lab • **WEB** - Web Enhanced Lecture • **WEL** - Web Enhanced Lab • **WRK** - Work Experience Lecture • **WRKH** - Hybrid Work Experience • **WRKO** - Work Experience Online

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REAL ESTATE

REA-83
College Reading and Thinking 3 UNITS
Prerequisite: None.
Description: Instruction in reading academic materials. 54 hours lecture (Letter Grade or Pass/No Pass option.)
Instructor: T Wagner

REA-887
Reading Clinic 0 UNITS
Prerequisite: None
Description: This self-paced course provides practice on individually prescribed learning plans designed to improve and develop reading skills. Instruction is provided on an individualized basis through conferences with the student. Subsequent enrollment in the course will provide the student further opportunities for additional skill and competency development within the subject matter. May be taken a total of four times. 27 hours laboratory. (Non-credit course.)
Instructor: M Sloniger

RLE-80
Real Estate Principles 3 UNITS
Prerequisite: None.
Description: Comprehensive analysis of basic laws, principles, terminology and current practices of California real estate.
Instructor: L Namazi

RLE-81
Real Estate Practices 3 UNITS
Prerequisite: None
Description: Covers basic laws and principles of California real estate, terminology and daily operations in a real estate brokerage. Includes listing, prospecting, advertising, financing, sales techniques, escrow and ethics. Applies toward state's educational requirements for the brokers examination. 54 hours lecture.
Instructor: L Namazi

RLE-82
Legal Aspects of Real Estate 3 UNITS
Prerequisite: None.
Description: California real estate law, including rights incident to property ownership and management, agency, contracts, and application to real estate transfer, conveyance, probate proceedings, trust deeds, and foreclosure, as well as recent legislation governing real estate transactions. Applies toward educational requirement of brokers examination. 54 hours lecture.
Instructor: L Namazi
RLE-83
Real Estate Finance 3 UNITS
Prerequisite: None.
Description: Analysis of real estate finance in residential, apartment, commercial and special purpose properties.
37721  Last Day to add: 09/03/19
OL  08/26/19  10/19/19
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.
Instructor: K Andacheh
37722  Last Day to add: 10/29/19
OL  10/21/19  12/14/19
The above section is a short term online class. Please note the start and end dates.
Computer with Internet access required. See www.opencampus.com.
Instructor: K Andacheh

SUPPLY CHAIN AUTOMATION

SCA-1
Introduction to Automated Warehousing 3 UNITS
Prerequisites: NONE
Description: An industrial technology overview course covering the basic knowledge and skills needed for supply chain technicians to successfully work in an automated distribution center. Introduction to the troubleshooting and maintenance of complex electromechanical systems is a major focus of this class. 36 hours lecture and 54 hours laboratory. Same as SCT-1.
37919  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  06:00PM  07:05PM  T  IT124
08/26/19  12/14/19  06:00PM  06:50PM  TH  IT124
08/26/19  12/14/19  07:15PM  08:40PM  TTH  IT124
The above section is a web-enhanced class. Internet access is required.
Instructor: G Graham

SUPPLY CHAIN TECHNOLOGY

SCT-1
Introduction to Automated Warehousing 3 UNITS
Prerequisite: None
Description: An industrial technology overview course covering the basic knowledge and skills needed for supply chain technicians to successfully work in an automated distribution center. Introduction to the troubleshooting and maintenance of complex electromechanical systems is a major focus of this class. 36 hours lecture and 54 hours laboratory.
37920  Last Day to add: 09/06/19
WE  08/26/19  12/14/19  06:00PM  07:05PM  T  IT124
08/26/19  12/14/19  06:00PM  06:50PM  TH  IT124
08/26/19  12/14/19  07:15PM  08:40PM  TTH  IT124
The above section is a web-enhanced class. Internet access is required.
Instructor: K Andacheh

SOCIOLOGY

SOC-1
Introduction to Sociology 3 UNITS
Prerequisite: None
Advisory: ENG-50
Description: An introduction to the basic concepts relating to the study of society. The course includes exploration into the foundations of sociology including its overall perspective, theoretical orientations, and research methodology; the foundations of social life including the components of culture, social interaction and the processes of socialization, groups, organizations, and deviance; economic social inequality based upon class, race, sex, and age; social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and 1H. 54 hours lecture
37737  Last Day to add: 09/06/19
OL  08/26/19  12/14/19
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.
Instructor: F Vu

https://www.bkstr.com/norcocollegestore/
SOC-1
American Social Problems 3 UNITS
Prerequisite: None
Description: Identification and analysis of major social problems confronting contemporary America; emphasizing, among other topics, urban and rural transformations, family life, minorities, criminal and delinquent behavior. 54 hours lecture.

38010 Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 12:30PM 01:55PM MW CRCCRL609A
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.
Instructor: J Hill
37741 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 02:30PM 03:55PM MW WEQW6B
The above section is a web-enhanced class. Internet access is required.
Instructor: M McKail
38011 Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 06:00PM 09:10PM W CRCCRL609B
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.
Instructor: J Hill

SOC-2
American Social Problems 3 UNITS
Prerequisite: None
Description: An introduction to the relevant theories and operational definitions that ground the study of race and ethnic relations in the social sciences. Extensive treatment of prejudice, discrimination and the concept of racism. The course brings into sharper focus the history and contemporary status of White ethnics, religious minorities, American-Indians, African-Americans, Hispanic-Americans, and women in the United States. Social institutions, such as family, education, politics, and the economy receive special attention for each group. The similarities and differences in ethnic hostilities between the U.S. and other societies are closely examined. 54 hours lecture.

38014 Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 02:30PM 03:55PM T TH ATEC205
The above class is a hybrid class, designed with special emphasis on African American culture. See the Umoja counselor (sean.davis@norcocollege.edu) prior to enrolling. Internet access is required.
Instructor: J Hill
37738 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:00PM 09:10PM W IT101
The above section is a web-enhanced class. Internet access is required.
Instructor: M McKail

SOC-10
Race And Ethnic Relations 3 UNITS
Prerequisite: None
Description: Examines the major trends in marriage, families, and intimate relationships. Focuses on how inequality and diversity affect intimate and family relations. Discusses the dynamics of inequality among families and couples and how family life is shaped by race and ethnicity, social class, and sexuality. Discusses issues of interpersonal violence, divorce, and life in later years. 54 hours lecture. (Letter grade)

38013 Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 02:05PM 03:30PM MW CRCCRL609A
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.
Instructor: J Hill
37739 Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:00PM 09:10PM M WEQW6B
The above section is a web-enhanced class. Internet access is required.
Instructor: J Hill
38123 Last Day to add: 09/06/19
LEC 08/26/19 12/14/19 06:00PM 09:10PM T CRCCRL609A
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.
Instructor: J Cobb

SOC-12
Marriage and Family Relations 3 UNITS
Prerequisite: None
Advisory: SOC-1
Description: Examines the major trends in marriage, families, and intimate relationships. Focuses on how inequality and diversity affect intimate and family relations. Discusses the dynamics of inequality among families and couples and how family life is shaped by race and ethnicity, social class, and sexuality. Discusses issues of interpersonal violence, divorce, and life in later years. 54 hours lecture. (Letter grade)
SOC-20
Introduction to Criminology  3 UNITS
Prerequisite: None.
Description: A sociological analysis of crime, criminal law and criminality.
37742  Last Day to add: 09/06/19
WE 08/26/19 12/14/19 06:00PM 09:10PM  T  JFK114
The above section is a web-enhanced class. Internet access is required.
Instructor: J Hill

soc-50
Introduction to Social Research Methods  3 UNITS
Prerequisite: SOC-1
Description: Examination of the fundamental elements of empirical research and the ways sociologists think critically, including attention to the nature of theory, hypothesis, variables and ethics of research. Application of qualitative and quantitative analytic tools including logic and research design, such as experimental, survey, observational, comparative historical research and case studies. 54 hours lecture.
37744  Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 07:25AM 09:00AM  MWF  LIBR109
08/26/19 12/14/19 ONLINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: D Hitchcock

37750  Last Day to add: 09/06/19
HYB 08/31/19 12/14/19 08:00AM 12:05PM  S  LIBR121
08/31/19 12/14/19 ONLINE
08/31/19 12/14/19 ONLINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: R Contreras

37745  Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 09:15AM 10:50AM  MWF  LIBR109
08/26/19 12/14/19 ONLINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: A Covarrubias

37749  Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 11:05AM 12:40PM  MWF  LIBR109
08/26/19 12/14/19 ONLINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: A Covarrubias

SPANISH

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. This placement test is intended for placement only, not for credit replacement. Once you have taken a Spanish class, you can no longer take the placement test. Placement tests are available by appointment only. For more information, please visit our online appointment system at: https://esars.rccd.edu/Norco/Assessment/index.htm

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 UNITS
Prerequisite: None
Advisory: Completion of placement test to assess level of proficiency in Spanish.
Description: Develops basic skills in listening, reading, speaking and writing. Emphasis on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. Includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)
37744  Last Day to add: 09/06/19
HYB 08/26/19 12/14/19 07:25AM 09:00AM  MWF  LIBR109
08/26/19 12/14/19 ONLINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: D Hitchcock
SPA-3
Spanish 3
5 UNITS
Prerequisite: SPA-2 or SPA-2H or qualifying placement level on the Spanish assessment test or the equivalent
Description: Development of intermediate skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the intermediate level. Includes an expanded discussion of Hispanic culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)
Instructor: C Solorzano

SPA-12
Latin American Culture and Civilization
3 UNITS
Prerequisite: None
Description: Introduction to Latin America’s complex and unique history, as reflected in language, literature, art, history, customs, religions, and its political and social institutions. Class conducted in English. 54 hours lecture (Letter grade, or Pass/No Pass option)
Instructor: D Hitchcock

THEATER ARTS
THE-3
Introduction to the Theater
3 UNITS
Prerequisite: None
Description: A comprehensive study of theatrical styles and forms with units in directing, acting, designing, technical theater, playwriting, and genres, to acquaint the student with the diverse nature of theater leading to an appreciation and understanding of theater as a separate and distinctive art form. 54 hours lecture.
Instructor: W Stevens

SPA-2
Spanish 2
5 UNITS
Prerequisite: SPA-1B or SPA-1 or SPA-1H, or qualifying placement level on the Spanish assessment test or the equivalent
Description: Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the beginning level. This course includes an expanded discussion of Hispanic culture and daily life. Students may not receive credit for both SPA-2 and SPA-2H. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)
Instructor: I Vejar

THEATER ARTS
THE-3
Introduction to the Theater
3 UNITS
Prerequisite: None
Description: A comprehensive study of theatrical styles and forms with units in directing, acting, designing, technical theater, playwriting, and genres, to acquaint the student with the diverse nature of theater leading to an appreciation and understanding of theater as a separate and distinctive art form. 54 hours lecture.
Instructor: W Stevens
THE-32
Acting Fundamentals - Theater Games and Exercises 3 UNITS
Prerequisite: None
Description: Foundation training for actors through theater games and improvisational exercises for developing expressive freedom, creativity, relaxation, sensory awareness and concentration. Development and preparation of the actor's instrument: voice, speech, body and imagination. Beginning of relationship and motivation. 36 hours lecture and 54 hours laboratory.

THE-32
Acting Fundamentals - Theater Games and Exercises 3 UNITS
Prerequisite: None
Description: Foundation training for actors through theater games and improvisational exercises for developing expressive freedom, creativity, relaxation, sensory awareness and concentration. Development and preparation of the actor's instrument: voice, speech, body and imagination. Beginning of relationship and motivation. 36 hours lecture and 54 hours laboratory.

WORK EXPERIENCE
WKX-200
Occupational Work Experience 1 UNIT
Prerequisite: None
Advisory: Students should have paid or voluntary employment
Description: Work Experience is designed to coordinate the student's on-the-job training with workplace skills designed to assist the student in developing successful professional skills. Each student will establish measurable learning objectives appropriate for their job and discipline. Students may earn up to four (4) units each semester, for a maximum of 16 units of work experience total. 60 hours of volunteer work or 75 hours of paid work during the semester are required for each unit. No more than 20 hours per week, out of the 60 or 75 requirement, may be applied toward the work requirement. The course consists of an 18 hours of orientation/professional skills development and 60 hours of volunteer work experience per unit with a maximum of 240 for four units per semester OR 75 hours of paid work experience per unit, with a maximum of 300 for four units per semester.

Instructor: W Stevens

Instructor: W Stevens

Instructor: J Calarco
## WRITING LAB - NORCO FULL TERM

### WL-LAB

**Writing Center Lab**

**0 UNITS**

**PREREQUISITE:** None.

- **Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills.**

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<th>Course Code</th>
<th>Start Date</th>
<th>End Date</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<td>12/14/19</td>
<td>TH</td>
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<td>04:00PM-04:50PM</td>
<td>IT121</td>
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<td>08/26/19</td>
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** N Capps

37791 Last Day to add: 12/11/19

37792 Last Day to add: 12/11/19

37793 Last Day to add: 12/11/19