



NORCO COLLEGE  
SCHOOL OF  
Arts &  
Humanities

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.

#### ABBR BUILDING

ATEC	Applied Technology
CACT	CACT Center
LIBR	Wilfred J. Airey Library
HUM	Humanities
IT	Industrial Technology
JFK	John F. Kennedy Middle College High School

#### ABBR BUILDING

SSV	Student Services
ST	Science and Technology
STEM	STEM Center
THTR	Theater Building
WEQ	West End Quad

## 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.

37002 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](http://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

37005 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](http://www.opencampus.com). Please note the start and end dates.

Instructor: D White

37006 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](http://www.opencampus.com).

Instructor: D White

37004 Last Day to add: 09/06/19

WE 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

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](http://www.opencampus.com). Please note the start and end dates.

Instructor: P Worsham

38077 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 02:00PM 03:25PM MW CRCCRCUL3

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: J Muir

37003 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM M WEQW6A

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

Instructor: D White

38076 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 06:00PM 09:10PM M CRCCRCUL600

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: J Muir

37001 Last Day to add: 09/01/19

HYB 08/26/19 10/19/19 06:00PM 09:10PM W WEQW6A  
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](http://www.opencampus.com). Please note the start and end dates

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](http://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](http://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  
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](http://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  
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](http://www.opencampus.com). Please note the start and end dates

**Instructor:** D White

### 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 08:00AM 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](http://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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** M Scott

### 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](http://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](http://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.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** S Williams

37014 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM MW IT202

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

**Instructor:** S Williams

37942 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 03:00PM 04:25PM TTH SANTF201

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

**Instructor:** S Barnett

### 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.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** S Williams

37020 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH IT202

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

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**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 in 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. See [www.opencampus.com](http://www.opencampus.com).

**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. See [www.opencampus.com](http://www.opencampus.com).

**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 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:** A Gray

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.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** C Buchanan

37024 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 02:30PM 03:55PM TH HUM111

08/26/19 12/14/19 ONLINE

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

See [www.opencampus.com](http://www.opencampus.com).

**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.

See [www.opencampus.com](http://www.opencampus.com).

**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 IT208

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

**Instructor:** 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 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:** 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.

See [www.opencampus.com](http://www.opencampus.com).

**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.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** A Gray C Buchanan



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  
08/26/19 12/14/19 07:35PM 09:40PM T IT127  
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 Thro through Contemporary 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. Student may not receive credit for both ART-2 and ART-2H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

37042 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](http://www.opencampus.com).

**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: 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.)

37828 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 12:45PM 02:10PM MW WEQW6A

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

**Instructor:** D Martin

### 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 diversity of style, technique and media, evident in various art forms throughout history and culture. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

37054 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** M Eastridge

37826 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** Q Bemiller

38024 Last Day to add: 09/14/19

OL 08/26/19 10/20/19 ONLINE

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

**Instructor:** K Skiba

37827 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM MW WEQW7

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

**Instructor:** B May

37051 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM TTH WEQW6B

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

**Instructor:** J Bell

37053 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM M WEQW7

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

**Instructor:** C Goux

37052 Last Day to add: 08/31/19

HYB 08/26/19 10/20/19 07:30PM 09:00PM T HUM111

08/26/19 10/20/19 ONLINE

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

**Instructor:** C Sanford

### 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.)

37040 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:35AM 10:25AM T ATEC209

08/26/19 12/14/19 09:35AM 10:40AM TH ATEC209

08/26/19 12/14/19 10:35AM 12:50PM T ATEC209

08/26/19 12/14/19 11:00AM 12:50PM TH ATEC209

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

**Instructor:** Q Bemiller

37039 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:35PM 03:25PM M ATEC209

08/26/19 12/14/19 02:35PM 03:40PM W ATEC209

08/26/19 12/14/19 03:35PM 05:50PM M ATEC209

08/26/19 12/14/19 04:00PM 05:50PM W ATEC209

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

**Instructor:** B Wilkie

37041 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 06:50PM T ATEC209

08/26/19 12/14/19 06:00PM 07:05PM TH ATEC209

08/26/19 12/14/19 07:00PM 09:15PM T ATEC209

08/26/19 12/14/19 07:25PM 09:15PM TH ATEC209

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

**Instructor:** M Lindeman





### ART-20

#### Beginning Sculpture

3 UNITS

**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 traditional and contemporary forms and techniques. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: \$15.00)

37043	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	06:00PM	06:50PM	M	ATEC209
	08/26/19	12/14/19	06:00PM	07:05PM	W	ATEC209
	08/26/19	12/14/19	07:00PM	09:15PM	M	ATEC209
	08/26/19	12/14/19	07:25PM	09:15PM	W	ATEC209

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

**Instructor:** J Bell

### ART-22

#### Basic Design

3 UNITS

**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.)

37044	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	02:00PM	02:50PM	T	ATEC209
	08/26/19	12/14/19	02:00PM	03:05PM	TH	ATEC209
	08/26/19	12/14/19	03:00PM	05:15PM	T	ATEC209
	08/26/19	12/14/19	03:25PM	05:15PM	TH	ATEC209

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

**Instructor:** M Lindeman

### ART-24

#### Three Dimensional Design

3 UNITS

**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 three-dimensional art forms (i.e., sculpture, architecture and product, 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)

37045	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	07:45AM	08:35AM	M	ATEC209
	08/26/19	12/14/19	07:45AM	08:50AM	W	ATEC209
	08/26/19	12/14/19	08:45AM	11:00AM	M	ATEC209
	08/26/19	12/14/19	09:10AM	11:00AM	W	ATEC209

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

**Instructor:** D Campuzano

### ART-26

#### Beginning Painting

3 UNITS

**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.)

37046	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	11:10AM	12:00PM	M	ATEC209
	08/26/19	12/14/19	11:10AM	12:15PM	W	ATEC209
	08/26/19	12/14/19	12:10PM	02:25PM	M	ATEC209
	08/26/19	12/14/19	12:35PM	02:25PM	W	ATEC209

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

**Instructor:** M Lindeman

### ART-27

#### Intermediate Painting

3 UNITS

**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.)

37047	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	11:10AM	12:00PM	M	ATEC209
	08/26/19	12/14/19	11:10AM	12:15PM	W	ATEC209
	08/26/19	12/14/19	12:10PM	02:25PM	M	ATEC209
	08/26/19	12/14/19	12:35PM	02:25PM	W	ATEC209

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

**Instructor:** M Lindeman

### ART-28A

#### Studio Painting-Portfolio Preparation

3 UNITS

**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.)

38022	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	11:10AM	12:00PM	M	ATEC209
	08/26/19	12/14/19	11:10AM	12:15PM	W	ATEC209
	08/26/19	12/14/19	12:10PM	02:25PM	M	ATEC209
	08/26/19	12/14/19	12:35PM	02:25PM	W	ATEC209

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

**Instructor:** M Lindeman





### ART-36A

#### Computer Art-Introduction

3 UNITS

**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					
WE	08/26/19	12/14/19	07:45AM	08:35AM	M	ATEC109
	08/26/19	12/14/19	07:45AM	08:50AM	W	ATEC109
	08/26/19	12/14/19	08:45AM	11:00AM	M	ATEC109
	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

3 UNITS

**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 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

3 UNITS

**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 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

3 UNITS

**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 Finern

37058	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	T	IT128

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

**Instructor:** T Friedrich Finern

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					
WE	08/26/19	12/14/19	11:15AM	12:40PM	TTH	IT117
	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:** J Reyes

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

38055	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	05:00PM	08:10PM	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					
WE	08/26/19	12/14/19	02:00PM	05:10PM	F	IT117
	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					
WE	08/26/19	12/14/19	02:30PM	03:55PM	MW	IT117
	08/26/19	12/14/19	06:00PM	09:10PM	W	IT128

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

**Instructor:** A Tocts



37064	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	02:30PM	03:55PM	MW	IT117
	08/26/19	12/14/19	06:00PM	09:10PM	M	IT128

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

**Instructor:** A Tocts

37061	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	04:10PM	05:35PM	MW	IT117
	08/26/19	12/14/19	12:45PM	03:55PM	M	IT128

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

**Instructor:** F Almasarweh

37062	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	04:10PM	05:35PM	MW	IT117
	08/26/19	12/14/19	02:00PM	05:10PM	F	IT128

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

**Instructor:** F Almasarweh

37057	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	04:15PM	05:40PM	TTH	IT117
	08/26/19	12/14/19	06:00PM	09:10PM	T	IT128

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

**Instructor:** J Julius A Suriano

37060	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	04:15PM	05:40PM	TTH	IT117
	08/26/19	12/14/19	06:00PM	09:10PM	TH	IT128

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

**Instructor:** J Julius A Suriano

38056	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	06:00PM	09:10PM	W	ATEC114
	08/26/19	12/14/19	06:00PM	09:10PM	T	ST203

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

**Instructor:** Staff

38057	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	06:00PM	09:10PM	W	ATEC114
	08/26/19	12/14/19	06:00PM	09:10PM	TH	ST203

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

**Instructor:** Staff

### BIO-5

#### General Botany

4 UNITS

**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.

37845	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	09:15AM	10:40AM	MW	IT128
	08/26/19	12/14/19	11:00AM	12:25PM	MW	IT128

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

**Instructor:** J Drainville

### BIO-10

#### Life Science Principles

3 UNITS

**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.

38074	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	03:00PM	04:25PM	MW	CENT816

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

**Instructor:** M Gutierrez

### BIO-18

#### Human Genetics (formerly Bio-34)

3 UNITS

**Prerequisite:** None

**Advisory:** High school biology or any college life science course with laboratory.

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.

37066	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	08:00AM	09:25AM	TTH	ATEC210

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

**Instructor:** Staff

### BIO-19

#### Environmental Science (formerly Bio-36)

3 UNITS

**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.

37067	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	09:40AM	11:05AM	TTH	IT117

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

**Instructor:** J Drainville

### BIO-45

#### Survey of Human Anatomy and Physiology (formerly Amy-10)

3 UNITS

**Prerequisite:** None

Description: An introductory and survey course of structural and functional aspects of the human body. Emphasis is placed on cell organization, human tissues, and discussion of each of the human systems. 54 hours lecture.

37068	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	04:10PM	05:35PM	MW	STEM201

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

**Instructor:** G Johansen



### 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

WE	08/26/19	12/14/19	08:00AM	09:05AM	F	IT117
	08/26/19	12/14/19	08:00AM	08:50AM	S	IT117
	08/26/19	12/14/19	09:15AM	12:25PM	FS	ST211

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

**Instructor:** S Tronti

37069 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	11:30AM	12:20PM	T	ATEC114
	08/26/19	12/14/19	11:30AM	12:35PM	TH	ATEC114
	08/26/19	12/14/19	08:00AM	11:10AM	MW	ST207

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

**Instructor:** P Campo

37070 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	11:30AM	12:20PM	T	ATEC114
	08/26/19	12/14/19	11:30AM	12:35PM	TH	ATEC114
	08/26/19	12/14/19	08:00AM	11:10AM	TTH	ST207

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

**Instructor:** P Campo

37073 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	12:00PM	12:50PM	M	ST207
	08/26/19	12/14/19	12:00PM	01:05PM	W	ST207
	08/26/19	12/14/19	01:15PM	04:25PM	MW	ST207

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

**Instructor:** J Reyes

37071 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	04:15PM	05:05PM	M	ATEC114
	08/26/19	12/14/19	04:15PM	05:20PM	W	ATEC114
	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

WE	08/26/19	12/14/19	04:15PM	05:05PM	M	ATEC114
	08/26/19	12/14/19	04:15PM	05:20PM	W	ATEC114
	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

WE	08/26/19	12/14/19	05:00PM	05:50PM	M	ST207
	08/26/19	12/14/19	05:00PM	06:05PM	W	ST207
	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

WE	08/26/19	12/14/19	12:00PM	12:50PM	T	ST207
	08/26/19	12/14/19	12:00PM	01:05PM	TH	ST207
	08/26/19	12/14/19	01:15PM	04:25PM	TTH	ST207

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

**Instructor:** I McGuire

37074 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	02:00PM	02:50PM	TH	ST211
	08/26/19	12/14/19	02:00PM	03:05PM	T	ST211
	08/26/19	12/14/19	09:30AM	12:40PM	TTH	ST211

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

**Instructor:** C Sternburg

37848 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	05:00PM	05:50PM	T	ST211
	08/26/19	12/14/19	05:00PM	06:05PM	TH	ST211
	08/26/19	12/14/19	06:15PM	09:25PM	TTH	ST211

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	06:05PM	T	ST207
	08/26/19	12/14/19	05:15PM	06:20PM	TH	ST207
	08/26/19	12/14/19	06:30PM	09:40PM	TTH	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, growth, control, metabolism and reproduction; their role in disease, body defenses, and application to the biomedical field. 54 hours lecture and 54 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



37076	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	06:00PM	07:25PM	MW	IT117
	08/26/19	12/14/19	07:35PM	09:00PM	MW	ST203

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

**Instructor:** B Moore

37077	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	06:00PM	07:25PM	MW	IT117
	08/26/19	12/14/19	04:15PM	05:40PM	MW	ST203

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

**Instructor:** B Moore

### BIO-60

#### 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.

37080	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	10:30AM	12:35PM	TTH	ST203
	08/26/19	12/14/19	02:00PM	05:10PM	TH	ST203

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

**Instructor:** B Moore

### BIO-61

#### Introduction to Organismal and Population Biology (formerly Bio-12) 5 UNITS

**Prerequisite:** BIO-60 or BIO-60H

Description: An intensive course designed for all Life Science majors to prepare the student for upper division courses in organismal and population biology. Course materials include plant structure and function, animal systems and behavior, ecological diversity and dynamics, and evolutionary theory, including population genetics. This course along with Biology 60 is intended to fulfill a year of transferable lower division general biology. Some field trips are required. 72 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37081	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	04:15PM	06:20PM	TTH	WEQW7
	08/26/19	12/14/19	02:10PM	05:20PM	W	IT128

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

**Instructor:** T Friedrich Finner

## 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.)

37814	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

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

**Instructor:** C McConnell-Freeman

### BUS-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)

37087	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](http://www.opencampus.com).

**Instructor:** G Zwart

37088	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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** G Zwart

37090	Last Day to add: 09/03/19					
OL	08/26/19	10/19/19				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](http://www.opencampus.com).

**Instructor:** A Martin

37083	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	07:35AM	09:00AM	MW	STEM302

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

**Instructor:** Staff

37084	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	09:40AM	11:05AM	TTH	ATEC210

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

**Instructor:** L White

37086	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	12:45PM	02:10PM	MW	ATEC114

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

**Instructor:** Staff





38098 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 03:00PM 04:25PM TTH CRHSCCLASS  
The above section is restricted to Corona High School students participating in Norco College's Dual Enrollment Program and is a web-enhanced class. Computer access is required.

**Instructor:** Staff

38069 Last Day to add: 09/06/19  
LEC 08/26/19 12/14/19 06:00PM 09:10PM T CRCCRCUL3  
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:** A Smith

37089 Last Day to add: 10/27/19  
HYB 10/21/19 12/14/19 06:00PM 09:10PM W JFK112  
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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** Staff

38070 Last Day to add: 09/06/19  
LEC 08/26/19 12/14/19 06:00PM 09:10PM TH CRCCRCL600  
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:** A Smith

37085 Last Day to add: 09/01/19  
HYB 08/26/19 10/19/19 06:30PM 08:05PM W JFK112  
08/26/19 10/19/19 ONLINE

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

**Instructor:** G Sonnier

### BUS-12

#### Opportunity Analysis for Entrepreneurs

2 UNITS

**Prerequisite:** None

Description: This course examines the entrepreneur's role in the global economy as an exploiter of opportunities. Topics include the creative search for ideas, the innovation process, and the opportunity analysis to screen for the best ideas. Learning activities cover the decisions needed to transform an idea into a business opportunity. 36 hours lecture.

37091 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:30PM 08:35PM T IT111

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

**Instructor:** Staff

### BUS-13

#### Developing a Successful Business Plan/Model

2 UNITS

**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.

37092 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:30PM 08:35PM TH IT111

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

**Instructor:** Staff

### BUS-18A

#### Business Law I

3 UNITS

**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.

37093 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** T Wagner

37096 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** T Wagner

37097 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](http://www.opencampus.com).

**Instructor:** S Johnson

37950 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 03:00PM 04:25PM MW ERHSB106

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

38125 Last Day to add: 09/06/19  
LEC 08/26/19 12/14/19 06:00PM 09:20PM W CRCCRCL600

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

37095 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:30PM 09:40PM M IT208

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

**Instructor:** G Sonnier



37094 Last Day to add: 08/31/19  
 HYB 08/26/19 10/19/19 06:30PM 09:40PM T WEQW6A  
 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** T Wagner

### 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.

37098 Last Day to add: 10/26/19  
 HYB 10/21/19 12/14/19 06:30PM 09:40PM T WEQW6A  
 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](http://www.opencampus.com). Please note the start and end dates.

**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.

37099 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** P Worsham

37101 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** P Worsham

37100 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 07:35PM 09:00PM T IT109  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** S Schepler

### 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.

37102 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](http://www.opencampus.com).

**Instructor:** E Doucette

37103 Last Day to add: 09/06/19  
 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

### 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.

37105 Last Day to add: 09/06/19  
 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

### 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 venture opportunities; explore ways to shape and evaluate the viability of opportunities; understanding key industry factors, market, competitive factors, and customer needs.

37107 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](http://www.opencampus.com)

**Instructor:** Staff

37951 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](http://www.opencampus.com).

**Instructor:** L White



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](http://www.opencampus.com).

**Instructor:** L White

37953 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 03:00PM 04:25PM TTH SANTE203  
The above section is restricted to Santiago High School students participating in Norco College's Dual Enrollment Program and is a web-enhanced class. Internet access required.  
**Instructor:** F Almeida

### BUS-47

#### Applied Business and Management Ethics

3 UNITS

**Prerequisite:** None

Description: An examination of ethical concerns in business decision making. Includes corporate, personal, global, governmental, public, environmental, product, and job-related issues. Case studies and corporate ethics programs and audits also covered. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

37108 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** A Riker

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. Please note the start and end dates. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

**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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** R Beck

37110 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 06:00PM 07:25PM T IT109

08/26/19 12/14/19 ONLINE

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

**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.)

37112 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](http://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](http://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.)

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](http://www.opencampus.com). Please note the start and end dates.

**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

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

**Instructor:** R Beck



### 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](http://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

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

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](http://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](http://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





37125 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 04:10PM 05:35PM MW ATEC210  
 08/26/19 12/14/19 06:30PM 09:40PM MW HUM208

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

**Instructor:** W Cui

37123 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:00PM 07:25PM TTH JFK102  
 08/26/19 12/14/19 02:40PM 05:50PM MW HUM208

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

**Instructor:** Z Zhu

### CHE-1B

#### General Chemistry, II

5 UNITS

**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.)

37126 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 11:15AM 12:40PM TTH IT101  
 08/26/19 12/14/19 02:00PM 05:10PM TTH HUM208

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

**Instructor:** J Tyler

37127 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 07:35PM 09:00PM MW IT117  
 08/26/19 12/14/19 06:30PM 09:40PM TTH HUM208

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

**Instructor:** C Lugo

### CHE-2A

#### Introductory Chemistry, I

4 UNITS

**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.)

37132 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 11:10AM 12:35PM MW IT117  
 08/26/19 12/14/19 01:10PM 04:10PM M HUM204

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

**Instructor:** E Wen

37133 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 11:10AM 12:35PM MW IT117  
 08/26/19 12/14/19 01:00PM 04:10PM W HUM204

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

**Instructor:** E Wen

37129 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 11:15AM 12:40PM TTH THTR101  
 08/26/19 12/14/19 02:00PM 05:10PM TH HUM204

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

**Instructor:** A Duggal

37136 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 11:15AM 12:40PM TTH THTR101  
 08/26/19 12/14/19 02:00PM 05:10PM T HUM204

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

**Instructor:** A Duggal

37130 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 12:45PM 02:10PM MW STEM201  
 08/26/19 12/14/19 09:00AM 12:10PM W HUM204

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

**Instructor:** B Klavetter

37131 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 12:45PM 02:10PM MW STEM201  
 08/26/19 12/14/19 09:00AM 12:10PM M HUM204

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

**Instructor:** B Klavetter

37134 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 02:10PM 03:35PM TTH ATEC114  
 08/26/19 12/14/19 09:30AM 12:40PM T HUM204

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

**Instructor:** V Lee

37135 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 02:10PM 03:35PM TTH ATEC114  
 08/26/19 12/14/19 09:30AM 12:40PM TH HUM204

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

**Instructor:** V Lee

37128 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:00PM 09:10PM T IT117  
 08/26/19 12/14/19 06:00PM 09:10PM TH HUM204

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

**Instructor:** P Kimbrough

37137 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:00PM 09:10PM T IT117  
 08/26/19 12/14/19 06:00PM 09:10PM W HUM204

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

**Instructor:** P Kimbrough

### CHE-12A

#### Organic Chemistry I

5 UNITS

**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.)

37121 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 11:00AM 12:25PM MW STEM301  
 08/26/19 12/14/19 09:45AM 04:15PM F HUM208

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

**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	04:05PM	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



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](http://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](http://www.opencampus.com).

**Instructor:** J Coverdale

38015	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](http://www.opencampus.com).

**Instructor:** J Coverdale

37140	Last Day to add: 09/06/19					
HYB	08/26/19	12/14/19	04:10PM	05:35PM	MW	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](http://www.opencampus.com).

**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				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](http://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)

37148	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

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

**Instructor:** C McConnell-Freeman

### 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](http://www.opencampus.com).

**Instructor:** Staff

37151	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](http://www.opencampus.com). All hours, including the 18-hour laboratory requirement, are completed online.

**Instructor:** T Pryor

37152	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](http://www.opencampus.com). All hours, including the 54-hour laboratory requirement, are completed online.

**Instructor:** Staff

38073	Last Day to add: 09/02/19					
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 Perry

37150	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	12:45PM	02:10PM	MW	ATEC118
	08/26/19	12/14/19	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	06:00PM	09:10PM	TH	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:** C Andersen



### CIS-7

#### Discrete Structures

3 UNITS

**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)

3 UNITS

**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 li: C++ (same As Csc-17a)

3 UNITS

**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

3 UNITS

**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](http://www.opencampus.com).

**Instructor:** W Herrera

### CIS-17C

#### C++ Programming: Data Structures

3 UNITS

**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](http://www.opencampus.com)

**Instructor:** J Ruiz

### CIS-18A

#### Java Programming: Objects

3 UNITS

**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

3 UNITS

**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.)

37819 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	05:45PM	08:55PM	T	ATEC118
	08/26/19	12/14/19	09:00PM	09:50PM	T	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-66

#### Web Development I

3 UNITS

**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.

37155 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	08:00AM	11:10AM	S	ATEC118
	08/26/19	12/14/19	11:15AM	12:40PM	S	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 Manges

37954 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	03:00PM	04:25PM	MW	CENT401
	08/26/19	12/14/19	04:35PM	05:35PM	MW	CENT401

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

**Instructor:** B Kenney

### CIS-78A

#### Introduction to Adobe Photoshop (same As Cat-78a)

3 UNITS

**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)

38103 Last Day to add: 09/06/19

HYB	08/26/19	12/14/19	08:00AM	09:25AM	TTH	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](http://www.opencampus.com).

**Instructor:** A Johnson

38104

Last Day to add: 09/06/19

WE	08/26/19	12/14/19	01:15PM	02:25PM	M	JVHSB6
	08/26/19	12/14/19	01:15PM	02:05PM	TW	JVHSB6
	08/26/19	12/14/19	01:15PM	02:05PM	F	JVHSB6

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

**Instructor:** D Morse

### CIS-79

#### Intro Adobe Illustrator

3 UNITS

**Prerequisite:** None

Description: Fundamentals of Adobe Illustrator including creating objects, drawing paths, designing with type and working with graphics. (Same as CAT-79)

38053 Last Day to add: 09/06/19

HYB	08/26/19	12/14/19	09:40AM	11:05AM	TTH	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](http://www.opencampus.com).

**Instructor:** A Johnson

### CIS-80

#### Word Processing: Microsoft Word for Windows

3 UNITS

**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)

37157 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](http://www.opencampus.com). All hours, including the 18-hour laboratory requirement, will be completed online.

**Instructor:** C McConnell-Freeman

### CIS-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.)

37160 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



### 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	ONLINE
	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](http://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

## 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](http://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
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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
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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	CRCRCCL609A
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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

37164 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	09:15AM	10:40AM	MW	IT210
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** E Romero

37176 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	09:40AM	11:05AM	TTH	IT210
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Olaerts

37167 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	11:00AM	12:25PM	MW	WEQW6B
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Tufano

37166 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	11:15AM	12:40PM	TTH	IT210
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Olaerts

37169 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	12:45PM	02:10PM	MW	IT211
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** E Romero

37170 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	02:30PM	03:55PM	MW	IT211
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

37165 Last Day to add: 10/26/19

HYB	10/21/19	12/14/19	02:30PM	03:55PM	TTH	LIBR121
	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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** M Lewis

37996 Last Day to add: 09/02/19

HYB	08/26/19	10/19/19	02:30PM	03:55PM	TTH	LIBR121
	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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** E Romero

37171 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	04:10PM	05:35PM	MW	IT210
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Bettencourt

37995 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	04:10PM	05:35PM	TTH	HUM102
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The above section is a web-enhanced class, designed with special emphasis on African American culture. See the Umoja counselor ([sean.davis@norcollege.edu](mailto:sean.davis@norcollege.edu)) prior to enrolling. Internet access is required.

**Instructor:** N Aceves

37175 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	06:00PM	09:10PM	TH	IT210
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** D Romo



37172 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:30PM 09:40PM T IT210

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

**Instructor:** D Romo

37168 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:30PM 09:40PM W WEQW6B

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

**Instructor:** G Stinson

### COM-1H

#### Honors Public Speaking

3 UNITS

**Prerequisite:** None

**Limitation on enrollment:** Enrollment in the Honors Program

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 the enhanced exploration of: 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. 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 COM-1 and COM-1H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

37999 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH IT208

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

**Instructor:** E Romero

### 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.)

37179 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:10AM 12:35PM MW IT210

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

**Instructor:** E Romero

37180 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:10PM 05:35PM TTH IT211

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

**Instructor:** D Romo

### 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.)

37181 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:10PM 05:35PM MW IT211

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

**Instructor:** R Stinson

### 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.)

37187 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH IT210

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

**Instructor:** L Tat

37184 Last Day to add: 09/18/19

HYB 09/07/19 12/14/19 08:00AM 10:00AM S 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** B Rihan

37189 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 10:40AM MW WEQW6B

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

**Instructor:** A Olaerts

37186 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:40AM 11:05AM TTH WEQW5

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

**Instructor:** E Romero

38134 Last Day to add: 09/18/19

HYB 09/07/19 12/14/19 10:30AM 12:30PM S 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** B Rihan

37182 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 12:45PM 02:10PM MW IT210

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

**Instructor:** R Stinson



37183 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM MW IT210

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

**Instructor:** R Stinson

37192 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM TTH HUM102

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

**Instructor:** K Dhaliwal

38000 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 04:10PM 05:35PM T IT210

08/26/19 12/14/19 ONLINE

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

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** J Muto

38001 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 04:10PM 05:35PM TH IT210

08/26/19 12/14/19 ONLINE

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

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** J Muto

37188 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:45PM 06:10PM TTH LIBR109

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

**Instructor:** K Dhaliwal

37190 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 06:00PM 07:25PM T LIBR121

08/26/19 12/14/19 ONLINE

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

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** J Muto

37191 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM W IT210

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

**Instructor:** K Dhaliwal

37185 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 06:00PM 07:25PM TH LIBR121

08/26/19 12/14/19 ONLINE

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

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** J Muto

### 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.)

37177 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM M IT210

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

**Instructor:** Staff

### COM-12

#### Intercultural Communication

3 UNITS

**Prerequisite:** None

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

Description: Introduction to the factors affecting intercultural communication focusing on culture, language, and social patterns and their influence on how members of groups relate among themselves and with members of different ethnic and cultural groups. Theory and knowledge of effective communication within and between cultures and appreciation and comparison of communication among diverse groups within the larger context of American culture are explored with an emphasis on self-evaluation and skill development. 54 hours lecture. (Letter Grade or Pass/No Pass option)

37178 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** A Olaerts

## 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.

37921 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:10PM 05:35PM TTH IT123

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)

37194 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:30PM 09:40PM T IT123

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

**Instructor:** P Link

### CON-62

#### Blueprint Reading

3 UNITS

**Prerequisite:** None.

Description: Overview of the basic concepts of reading construction blueprints.

37195 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM M IT122

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

**Instructor:** R Skaggs





### 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 TTH ATEC119

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

**Instructor:** Staff

37202 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM M IT123

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

**Instructor:** J Thomas

### 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 W IT123

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

**Instructor:** J Thomas

### CON-70

#### Soil Tech Fundamentals

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.

37206 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:30AM 09:55AM T ATEC109

08/26/19 12/14/19 10:05AM 11:30AM T ATEC109

08/26/19 12/14/19 08:30AM 11:40AM TH ATEC109

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

**Instructor:** A Johnson

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
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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 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	06:00PM	09:10PM	T	ATEC109
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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	12:40PM	M	ATEC109
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	08/26/19	12/14/19	12:50PM	02:15PM	M	ATEC109
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	08/26/19	12/14/19	11:15AM	02:25PM	W	ATEC109
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** F Mirzaei

37902 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	06:00PM	07:25PM	M	STEM302
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	08/26/19	12/14/19	07:35PM	09:00PM	M	STEM302
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	08/26/19	12/14/19	06:00PM	09:10PM	W	STEM302
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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
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	08/26/19	12/14/19	10:05AM	11:30AM	M	IT125
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	08/26/19	12/14/19	08:30AM	11:40AM	W	IT125
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### 37903

Last Day to add: 09/06/19

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

**Instructor:** F Mirzaei

### 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-modeler 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
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	08/26/19	12/14/19	07:35PM	09:40PM	T	IT125
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	08/26/19	12/14/19	06:00PM	09:10PM	TH	IT125
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Inceoglu

### 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
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	08/26/19	10/16/19	09:35AM	11:05AM	MW	IT124
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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
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** G Cordier



### DFT-60

#### Math for Engineering Technology (same As Ene-60)

3 UNITS

**Prerequisite:** None.

Description: Math problems used in industry, including basic arithmetic, algebra, geometry and trigonometry.

37213 Last Day to add: 09/01/19

WE 08/26/19 10/16/19 11:10AM 02:30PM MW IT124

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

**Instructor:** A Johnson

37212 Last Day to add: 09/06/19

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

## EARLY CHILDHOOD EDUCATION

### EAR-19

#### Observation and Assessment-ECE

3 UNITS

**Prerequisite:** None.

Description: Appropriate use of a variety of assessment and observation strategies to document child development and behavior.

37214 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 12:25PM M IT209

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

**Instructor:** S Burnett

### EAR-20

#### Child Growth and Development

3 UNITS

**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. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. Outside observations required. 54 hours lecture.

37217 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](http://www.opencampus.com).

**Instructor:** S Sumiati

37218 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](http://www.opencampus.com).

**Instructor:** H Alvarado

37219 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:40AM 11:05AM TTH IT209

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

**Instructor:** S Burnett

37216

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH IT209

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

**Instructor:** S Burnett

37945

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 03:00PM 04:25PM MW SANTF204

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

**Instructor:** L Vazquez

37215

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM M IT209

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

**Instructor:** A Calloway

### EAR-24

#### Introduction to Curriculum

3 UNITS

**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.

37223 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM T IT209

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

**Instructor:** R Carreon-Bailey

### EAR-25

#### Teaching in a Diverse Society

3 UNITS

**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.

37224 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM W IT209

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

**Instructor:** T Oliver

### EAR-26

#### Health, Safety and Nutrition

3 UNITS

**Prerequisite:** None.

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

37225 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](http://www.opencampus.com).

**Instructor:** L Vazquez



### 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](http://www.opencampus.com).

**Instructor:** S Burnett

37226 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 12:25PM W IT209

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

**Instructor:** S Burnett

### EAR-33

#### Infant and Toddler Development

3 UNITS

**PREREQUISITE:** None.

A study of infants and toddlers development from pre-conception to age three. **PREREQUISITE:** 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

### EAR-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)

37228 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:00PM 04:05PM TH IT209

08/26/19 12/14/19 08:30AM 01:00PM MW HSSPCCLASS

The above section is a web-enhanced class that has 108 lab hours that must be completed. Each student will be assigned a practicum site on the first Thursday afternoon class session. Pursuant to California Law SB792 all students enrolled in this class must have proof of immunization against measles, pertussis (TDap), and tuberculosis (TB). By the first class meeting students must have a completed Child Development Course Clearance Checklist showing immunization clearance. Immunizations and TB tests can

be obtained at the Norco College Health Services office, or through your personal health provider. Copies of the clearance form can be located at [http://www.norcollege.edu/services/health/Documents/SB792%20Immunization%20Checklist%20Norco%20College\\_r3.pdf](http://www.norcollege.edu/services/health/Documents/SB792%20Immunization%20Checklist%20Norco%20College_r3.pdf). Take this blank form with your evidence of immunization to the Norco Health Center for clearance and bring a copy on the first day of the practicum. The first day of the practicum for all section begins on the first Thursday afternoon class session.

**Instructor:** M Adams

37229 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:00PM 04:05PM TH IT209

08/26/19 12/14/19 08:30AM 01:00PM TTH HSSPCCLASS

The above section is a web-enhanced class that has 108 lab hours that must be completed. Each student will be assigned a practicum site on the first Thursday afternoon class session. Pursuant to California Law SB792 all students enrolled in this class must have proof of immunization against measles, pertussis (TDap), and tuberculosis (TB). By the first class meeting students must have a completed Child Development Course Clearance Checklist showing immunization clearance. Immunizations and TB tests can be obtained at the Norco College Health Services office, or through your personal health provider. Copies of the clearance form can be located at [http://www.norcollege.edu/services/health/Documents/SB792%20Immunization%20Checklist%20Norco%20College\\_r3.pdf](http://www.norcollege.edu/services/health/Documents/SB792%20Immunization%20Checklist%20Norco%20College_r3.pdf). Take this blank form with your evidence of immunization to the Norco Health Center for clearance and bring a copy on the first day of the practicum. The first day of the practicum for all section begins on the first Thursday afternoon class session.

**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.

37233 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH IT109

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

**Instructor:** C Rajakone

37232 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:10AM 12:35PM MW IT109

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

**Instructor:** C Rajakone

### 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 aggregative 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.

37234 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:40AM 11:05AM TTH IT109

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

**Instructor:** P Boelman

37235 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM MW IT109

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

**Instructor:** P Boelman

38114 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 06:00PM 09:10PM T CRCCRC600

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

38115 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 06:00PM 09:10PM W CRCCRCUR15

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

### ECO-8

#### Principles of Microeconomics

3 UNITS

**Prerequisite:** MAT-52

**Advisory:** MAT-35 and qualification for ENG-1A

**Description:** Economic theory and analysis as applied to consumer and producer behavior in markets. Emphasizes the allocation of resources and the distribution of income through the price mechanism, and deals with the microeconomic concepts of equilibrium in product and factor markets, perfect and imperfect competition, government intervention in the private sector, and international trade and finance. 54 hours lecture.

37830

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH IT109

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

**Instructor:** P Boelman

37237

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 12:45PM 02:10PM MW IT101

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

**Instructor:** P Boelman

37236

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:30PM 09:40PM W IT109

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

**Instructor:** P Boelman

## 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)

37934 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

### 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.)

37931 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



### 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

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

### 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.)

37897	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	08:00AM	10:05AM	S	CACT2
	08/26/19	12/14/19	10:15AM	01:25PM	S	CACT2

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

**Instructor:** G Graham

### ELC-77

#### Electrical Theory for Electricians (same As Ele/Man-77)

3 UNITS

(Same as MAN/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. (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

## ELECTRONICS

### ELE-10

#### Survey Electronics

4 UNITS

**Prerequisite:** None

Description: Basic electronic theory including electron theory, Ohm's Law, DC, AC, vacuum tube and solid state devices, antenna principles, power supplies, amplifiers, RE 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

### ELE-11

#### DC Electronics

4 UNITS

**Prerequisite:** None

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

### ELE-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.

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

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.)

37893 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 start and end dates.

**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.

37264 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

### 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.

37932 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

### 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)

37265

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 the start and end dates.

**Instructor:** Staff

37266

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

### ELE-75

#### Solid State Devices Lighting Controls (same As Elc-75)

3 UNITS

**Prerequisite:** None.

Description: Learn to integrate electronic devices into electrical systems.

37267 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	08:00AM	10:05AM	S	CACT2
	08/26/19	12/14/19	10:15AM	01:25PM	S	CACT2

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

**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.)

37268 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



### 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.

37244 Last Day to add: 09/06/19

LEC	08/26/19	12/14/19	03:00PM	04:10PM	MW	JACT1
	08/26/19	12/14/19	04:20PM	05:45PM	MW	JACT1

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

37246 Last Day to add: 09/06/19

LEC	08/26/19	12/14/19	03:00PM	04:10PM	MW	JACT2
	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

37243 Last Day to add: 09/06/19

LEC	08/26/19	12/14/19	06:00PM	07:10PM	MW	JACT1
	08/26/19	12/14/19	07:20PM	08:45PM	MW	JACT1

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:** G Montejano

37245 Last Day to add: 09/06/19

LEC	08/26/19	12/14/19	06:00PM	07:10PM	MW	JACT9
	08/26/19	12/14/19	07:20PM	08:45PM	MW	JACT9

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 Brown

### 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.

37248 Last Day to add: 09/06/19

LEC	08/26/19	12/14/19	03:00PM	04:10PM	TTH	JACT3
	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:** G Montejano

37249 Last Day to add: 09/06/19

LEC	08/26/19	12/14/19	03:00PM	04:10PM	TTH	JACT4
	08/26/19	12/14/19	04:20PM	05:45PM	TTH	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:** J Bachtel

37247 Last Day to add: 09/06/19

LEC	08/26/19	12/14/19	06:00PM	07:10PM	TTH	JACT3
	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:** Staff

### 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 Electrical Code (NEC). 45 hours lecture and 54 hours laboratory.

37250 Last Day to add: 09/06/19

LEC	08/26/19	12/14/19	03:00PM	04:10PM	TTH	JACT2
	08/26/19	12/14/19	04:20PM	05:45PM	TTH	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:** L Vergeront

37251 Last Day to add: 09/06/19

LEC	08/26/19	12/14/19	06:00PM	07:10PM	TTH	JACT2
	08/26/19	12/14/19	07:20PM	08:45PM	TTH	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:** 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

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 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-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:** Staff

38131 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 03:00PM 04:10PM TTH JACT6

08/26/19 12/14/19 04:20PM 05:45PM TTH JACT6

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 Brown

37257 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 06:00PM 07:10PM TTH JACT5

08/26/19 12/14/19 07:20PM 08:45PM 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:** P Conway

38132

Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 06:00PM 07:10PM TTH JACT6

08/26/19 12/14/19 07:20PM 08:45PM TTH JACT6

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

### 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.

37258 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 06:00PM 07:10PM MW JACT8

08/26/19 12/14/19 07:20PM 08:45PM 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-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.

37260 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 06:00PM 07:10PM TTH JACT8

08/26/19 12/14/19 07:20PM 08:45PM TTH 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:** 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.

37261 Last Day to add: 09/06/19

LAB 08/26/19 12/14/19 08:00AM 08:50AM S JACT1

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 Rowe

37262 Last Day to add: 09/06/19

LAB 08/26/19 12/14/19 09:00AM 09:50AM S JACT1

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 Rowe

## ENGINEERING

### ENE-21

#### Drafting

3 UNITS

**Prerequisite:** None.

**Description:** Fundamentals of mechanical drawing including lettering, instruments, projection, freehand drawing, and auxiliary views.

37269 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:30AM 09:55AM T ATEC109

08/26/19 12/14/19 10:05AM 11:30AM T ATEC109

08/26/19 12/14/19 08:30AM 11:40AM TH ATEC109

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

**Instructor:** A Johnson

37270 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

### 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.)

37271 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

### 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.

37273 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

37272 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



### ENE-30

#### Computer Aided Drafting (CAD)

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.

37274 Last Day to add: 09/06/19

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 Last Day to add: 09/06/19

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

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.

37277 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:** P Van Hulle

37276 Last Day to add: 09/06/19

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

3 UNITS

**Prerequisite:** ENE-42 or prior SolidWorks experience

Description: An advanced course in using the three-dimensional parametric solid-modeler 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.)

### 37278

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:** S Inceoglu

### ENE-51

#### Blueprint Reading

2 UNITS

**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 machine trades. 27 hours lecture and 27 hours laboratory. Same as DFT-51. (Letter Grade, or Pass/No Pass)

37279 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

### ENE-52

#### Geometric Dimensioning and Tolerancing

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.)

37280 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	06:00PM	08:05PM	W	ATEC109
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** G Cordier

### ENE-60

#### Math for Engineering Technology

3 UNITS

**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.)

37282 Last Day to add: 09/01/19

WE	08/26/19	10/16/19	11:10AM	02:30PM	MW	IT124
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The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** A Johnson

37281 Last Day to add: 09/06/19

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

**Instructor:** A Johnson



### ENE-62

#### Math for Automated Systems

3 UNITS

**Prerequisite:** None

Description: Course concepts from arithmetic, algebra, geometry and scientific notation, extended and applied to problems in automation technology from electrical and mechanical engineering, including metal work, welding, and building energy systems. 54 hours lecture.

37914 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH ATEC119

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

**Instructor:** G Alcalá

## ENGLISH

### PLACEMENT GUIDELINES 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

4 UNITS

**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. Classroom 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 ONLINE

08/26/19 12/14/19 ONLINE

The above section is an online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). All hours, including the 18-hour laboratory requirement, will be completed online.

**Instructor:** C Brownell

37297 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](http://www.opencampus.com). All hours, including the 18-hour laboratory requirement, are completed online.

**Instructor:** J Hill

37304

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](http://www.opencampus.com). All hours, including the 18-hour laboratory requirement, are completed online.

**Instructor:** C Gomez

37306

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](http://www.opencampus.com). All hours, including the 18-hour laboratory requirement, are completed online.

**Instructor:** J Hill

37318

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](http://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

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](http://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

ONLINE

08/26/19 12/14/19

ONLINE

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

**Instructor:** C Gomez

37891

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 07:20AM 09:25AM MF IT111

08/26/19 12/14/19 IT121

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 Turrubiarres

37324

Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 07:20AM 09:25AM T 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](http://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.

ENG-1A 37891 M/F 7:20 - 9:25 am  
ENG-91 37911 W 7:20 - 9:35 am  
Staff

ENG-1A 37879 T/Th 9:00 - 11:05 am  
ENG-91 37363 W 9:15 - 11:05 am  
Staff

ENG-1A 37883 T/Th 10:45 am - 12:50 pm  
ENG-91 37906 T/Th 9:30 - 10:35 am  
Staff

ENG-1A 37310 T/Th 8:00 - 10:05 am  
ENG-91 37909 T/Th 10:15 - 11:20 am  
Staff

ENG-1A 37286 M/W/F 9:15 - 10:30 am  
ENG-91 37913 M/W 10:40 - 11:45 am  
Staff

ENG-1A 37296 T/Th 9:40 - 11:45 am  
ENG-91 37360 T/Th 11:55 - 1:00 pm  
Staff

ENG-1A 37308 M/W/F 11:15 am - 12:30 pm  
ENG-91 37359 M/W 12:40 - 1:45 pm  
Staff

ENG-1A 37312 M/W/F 11:15 am - 12:30 pm  
ENG-91 37361 M/W 12:40 - 1:45 pm  
Staff

ENG-1A 37314 M/W 10:50 am - 12:55 pm  
ENG-91 37362 M/W 1:05 - 2:10 pm  
Staff

ENG-1A 37300 T/Th 2:00 - 4:05 pm  
ENG-91 37910 T/Th 4:15 - 5:20 pm  
Staff

ENG-1A 37886 T/Th 4:15 - 6:20 pm  
ENG-91 37907 T/Th 6:25 - 7:30 pm  
Staff

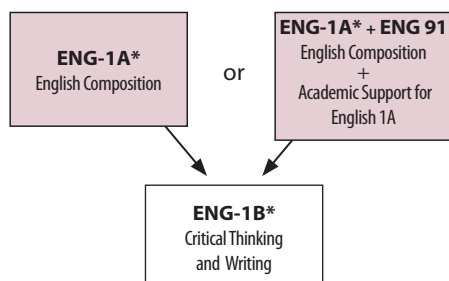
ENG-1A 37884 T/Th 4:15 - 6:20 pm  
ENG-91 37904 T/Th 6:30 - 7:35 pm  
Staff



# Moving through English, ESL and Reading

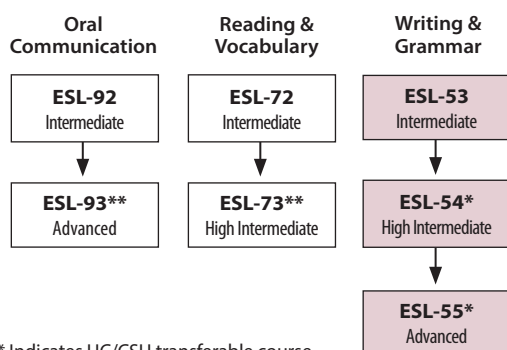
## English Composition at Norco College

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



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

## Moving Through Reading

**REA-83**  
College Reading  
& Thinking

or

**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.

REA 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 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.

\* Indicates CSU Transferable course

\*\*Satisfies CSU Critical Thinking requirement

**REA-4\***  
College Reading as  
Critical Thinking\*\*

REA 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.

Shaded areas indicate possible course placements



37881 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:** R Hitch N Franks

37885 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:20AM 09:25AM TTH CACT1  
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](http://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 CRCCRCUR15  
08/26/19 12/14/19 07:55AM 09:35AM W CRCCRCUR15  
08/26/19 12/14/19 09:35AM 10:25AM W CRCCRCUR15

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 CRCCRCL609A  
08/26/19 12/14/19 07:55AM 09:25AM W CRCCRCL609A  
08/26/19 12/14/19 09:35AM 10:25AM W CRCCRCL609A

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

37310 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 08:00AM 10:05AM TTH IT110  
08/26/19 12/14/19 IT121

The above section will have reading and writing assignments focusing on the Chicano experience and is designed for students in the Puente Program. Concurrent enrollment in GUI-48-38384 is required. See the instructor and a counselor before enrolling. The above section is a web-enhanced class and is linked to ENG 91 37909. 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 Mills

38133 Last Day to add: 09/11/19  
HYB 08/31/19 12/07/19 08:00AM 10:00AM S IT108  
08/31/19 12/07/19 ONLINE  
08/31/19 12/07/19 ONLINE

The above section is a short term hybrid class and will only meet on the following dates: 8/31/2019, 9/14/2019, 9/28/2019, 10/12/2019, 10/26/2019, 11/9/2019, 11/23/2019 and 12/7/2019. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** D Samson

37879 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:00AM 11:05AM TTH IT206  
08/26/19 12/14/19 IT121

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@norcollege.edu](mailto:sean.davis@norcollege.edu)) prior to enrolling. The above section is a web-enhanced class and is linked to ENG 91 37363. 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:** K Johnson-Jimenez

37285 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:15AM 10:30AM MWF CACT1  
08/26/19 12/14/19 IT121

The above section is a web-enhanced class. Internet access is required. In addition to the time spent in the above classes, 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:** A Moore



37286 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:15AM 10:30AM MWF IT110  
08/26/19 12/14/19 IT121

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 Web Advisor to schedule their lab requirement. See WL-LAB in Web Advisor 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 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 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](http://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 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](http://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 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 Web Advisor to schedule their lab requirement. See WL-LAB in Web Advisor for available laboratory sections.

**Instructor:** A Elizalde

37315 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:40AM 11:45AM TTH IT123  
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

37291 Last Day to add: 09/06/19  
HYB 08/26/19 12/14/19 09:40AM 11:45AM TH HUM102  
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](http://www.opencampus.com).

**Instructor:** C Miter

38027 Last Day to add: 09/11/19  
HYB 08/31/19 12/07/19 10:30AM 12:30PM S IT108  
08/31/19 12/07/19 ONLINE  
08/31/19 12/07/19 ONLINE

The above section is a short term hybrid class and will only meet on the following dates: 8/31/2019, 9/14/2019, 9/28/2019, 10/12/2019, 10/26/2019, 11/9/2019, 11/23/2019 and 12/7/2019. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** S Hanson

37883 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 10:45AM 12:50PM TTH CACT1  
08/26/19 12/14/19 IT121

The above section is a web-enhanced class and is linked to ENG 91 37906. 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:** T Comstock

37314 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 10:50AM 12:55PM MW IT123  
08/26/19 12/14/19 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 Web Advisor to schedule their lab requirement. See WL-LAB in Web Advisor for available laboratory sections.

**Instructor:** N Capps





37308 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:15AM 12:30PM MWF IT206  
08/26/19 12/14/19 IT121

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 Web Advisor to schedule their lab requirement. See WL-LAB in Web Advisor for available laboratory sections.

**Instructor:** M Pelle

37312 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:15AM 12:30PM MWF CACT1  
08/26/19 12/14/19 IT121

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 Web Advisor to schedule their lab requirement. See WL-LAB in Web Advisor for available laboratory sections.

**Instructor:** A Moore C Miter

37307 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:00PM 04:05PM MW CACT1  
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:** M Muldoon

37300 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:00PM 04:05PM TTH CACT1  
08/26/19 12/14/19 IT121

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 Web Advisor to schedule their lab requirement. See WL-LAB in Web Advisor for available laboratory sections.

**Instructor:** T Comstock

37301 Last Day to add: 09/06/19  
HYB 08/26/19 12/14/19 02:00PM 04:05PM T IT123  
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](http://www.opencampus.com).

**Instructor:** C Miter

37311 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:00PM 04:05PM TTH IT111  
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:** A Elizalde

37295 Last Day to add: 09/06/19  
HYB 08/26/19 12/14/19 02:00PM 04:05PM TH IT123  
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](http://www.opencampus.com).

**Instructor:** R Hitch

37298 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:45PM 04:00PM MWF IT110  
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:** J Gianunzio

37880 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:45PM 04:00PM MWF 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:** M Pelle

37320 Last Day to add: 09/06/19  
HYB 08/26/19 12/14/19 03:00PM 05:05PM MW SANTF107  
08/26/19 12/14/19 ONLINE  
08/26/19 12/14/19 ONLINE

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](http://www.opencampus.com).

**Instructor:** A Long

38091 Last Day to add: 09/06/19  
HYB 08/26/19 12/14/19 03:00PM 05:05PM MW  
08/26/19 12/14/19 ONLINE  
08/26/19 12/14/19 ONLINE

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

**Instructor:** R Mansikka



37321 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 03:00PM 05:05PM TTH ERHSB203  
 08/26/19 12/14/19 ONLINE  
 08/26/19 12/14/19 ONLINE

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](http://www.opencampus.com).

**Instructor:** B Alhoch

37299 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 04:15PM 06:20PM MW 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:** A Elizalde N Morford

37294 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 04:15PM 06:20PM TTH IT111  
 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:** A Elizalde

37882 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 04:15PM 06:20PM 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:** E Robles

37884 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 04:15PM 06:20PM TTH IT110  
 08/26/19 12/14/19 IT121

The above section is a web-enhanced class and is linked to ENG 91 37904. 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:** J Reed

37886 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 04:15PM 06:20PM TTH IT208  
 08/26/19 12/14/19 IT121

The above section is a web-enhanced class and is linked to ENG 91 37907. 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:** STkach

37316 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 06:00PM 07:30PM TH WEQW6B  
 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](http://www.opencampus.com).

**Instructor:** J Meiser

37302 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:15PM 08:20PM MW IT111  
 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:** M Muldoon

37888 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:30PM 08:35PM MW IT110  
 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:** J Lovell A Long

37317 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 08:00PM 09:45PM TH WEQW6B  
 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](http://www.opencampus.com).

**Instructor:** J Meiser



### ENG-1AH

#### Honors English Composition

4 UNITS

**Prerequisite:** 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)

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				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

**Prerequisite:** 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. Student may not receive credit for both ENG-1B and 1BH. 72 hours lecture and 18 hours laboratory. (TBA option)

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](http://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	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](http://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	CRCRCL609A
	08/26/19	12/14/19	08:00AM	09:40AM	TH	CRCRCL609A
	08/26/19	12/14/19	09:40AM	10:30AM	TH	CRCRCL609A

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				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](http://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				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](http://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				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:** 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				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:** 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				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:** 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				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:** L Hernandez



37962 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 03:00PM 05:05PM MW ERHSB211  
 08/26/19 12/14/19 ONLINE  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** C Brownell

37968 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 03:00PM 05:05PM TTH ERHSE111  
 08/26/19 12/14/19 ONLINE  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** N Soriano

37330 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 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:** A Moore

37339 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 04:15PM 06:20PM MW HUM102  
 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:** R Marsh

37336 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 04:15PM 06:20PM TTH JFK106  
 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:** E Wagner

37337 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 04:15PM 06:20PM TTH 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:** J Watson

37332 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:30PM 08:35PM MW 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:** R Mansikka

37340 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:30PM 08:35PM MW HUM102  
 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:** R Marsh

37329 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:30PM 08:35PM TTH JFK106  
 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:** E Wagner

37338 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:30PM 08:35PM TTH 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:** J Watson

### ENG-4

#### Writing Tutor Training

**2 UNITS**

**Prerequisite:** ENG-1A or ENG-1AH

Description: Designed to prepare students to become peer tutors in the Writing Center. Participants learn specific tutoring techniques and discuss problems, questions, and challenges in tutoring writing. Tutors develop student-centered, non-intrusive tutoring skills that avoid appropriating the text (i.e., becoming a proofreader, editor, or co-author). Topics include theory and practice of tutoring writing, including writing as a process, interpersonal communication techniques, cross-cultural tutoring, group learning, and computer programs applicable to writing instruction. 27 hours lecture and 27 hours laboratory. (TBA option)

38120 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





### 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 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 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.)

37358 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 craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

37911 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

37363 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

37906 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

37909 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

37913 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

37364

Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 10:45AM 11:50AM MW CRCCRCUR15

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

37365

Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 10:45AM 11:50AM 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:** C Young

37360

Last Day to add: 09/09/19

WE 08/27/19 12/05/19 11:55AM 01:00PM TTH IT111

The above section is a web-enhanced class and is linked to ENG 1A 37296. 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:** A Elizalde

37359

Last Day to add: 09/13/19

WE 08/26/19 12/04/19 12:40PM 01:45PM MW IT206

The above section is a web-enhanced class and is linked to ENG 1A 37308. 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:** M Pelle

37361

Last Day to add: 09/13/19

WE 08/26/19 12/04/19 12:40PM 01:45PM MW CACT1

The above section is a web-enhanced class and is linked to ENG 1A 37312. 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:** A Moore

37362

Last Day to add: 09/13/19

WE 08/26/19 12/04/19 01:05PM 02:10PM MW IT123

The above section is a web-enhanced class and is linked to ENG 1A 37314. 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:** N Capps

37910

Last Day to add: 09/09/19

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

The above section is a web-enhanced class and is linked to ENG 1A 37300. 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



37907 Last Day to add: 09/09/19  
 WE 08/27/19 12/05/19 06:25PM 07:30PM TTH IT208  
 The above section is a web-enhanced class and is linked to ENG 1A 37886. 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:** S Tkach

37904 Last Day to add: 09/09/19  
 WE 08/27/19 12/05/19 06:30PM 07:35PM TTH IT110  
 The above section is a web-enhanced class and is linked to ENG 1A 37884. 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:** J Reed

## ENGLISH AS A SECOND LANGUAGE

### ESL-51

#### Basic Writing and Grammar

4 UNITS

**Prerequisite:** None

Description: Emphasizes elementary competency in standard written English with a focus on basic writing and grammar skills. Instruction will also include vocabulary and reading skills necessary for success in basic English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

37366 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:30PM 08:35PM TTH IT211  
 08/26/19 12/14/19 08:45PM 09:35PM TH 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:** L Tougas

### ESL-52

#### Low-intermediate Writing and Grammar

4 UNITS

**Prerequisite:** ESL-51 or Qualifying placement level on a state-approved placement instrument

Description: Develops competency in standard written English with a continued focus on basic writing and grammar skills. Instruction includes vocabulary and reading skills necessary for success in low-intermediate English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

37367 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 10:40AM 12:45PM 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

### 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.)

37368 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:30PM 08:35PM MW IT211  
 08/26/19 12/14/19 08:45PM 09:35PM W 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:** D Tougas

### 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.)

37369 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:10AM 10:45AM MWF IT211  
 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:** M Shirinian

### 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.)

37370 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 10:55AM 12:30PM MWF IT211  
 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:** M Shirinian



### 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.)

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	09:35AM	10:25AM	TH	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

## 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) (Letter Grade, or Pass/No Pass option.)

37372 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	03:00PM	05:05PM	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

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

**Instructor:** L Smith

37373 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	06:00PM	09:10PM	TH	LIBR110
	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 a web-enhanced class. Internet access is required.

**Instructor:** A Smith

## GAME DEVELOPMENT

### 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 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](http://www.opencampus.com).

**Instructor:** J Coverdale

37375 Last Day to add: 09/06/19

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

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

**Instructor:** J Coverdale

37374 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 12:45PM 02:10PM MW STEM115

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

**Instructor:** J Coverdale

38072 Last Day to add: 08/31/19

HYB 08/19/19 11/27/19 01:00PM 02:30PM T INTLINTL  
08/19/19 11/27/19 ONLINE

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 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](http://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  
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](http://www.opencampus.com).

**Instructor:** Staff





38071 Last Day to add: 08/31/19  
 HYBO 08/19/19 11/27/19 ONLINE  
 08/19/19 11/27/19 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](http://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 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](http://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](http://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)

37385	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	02:00PM	02:50PM	T	STEM125
	08/26/19	12/14/19	03:00PM	04:05PM	T	STEM125
	08/26/19	12/14/19	02:00PM	04:05PM	TH	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:** R Bourbeau

### 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.

37386	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	09:00AM	11:05AM	S	ATEC209
	08/26/19	12/14/19	11:15AM	02:25PM	S	ATEC209

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

### 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)

37387	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	09:00AM	11:05AM	F	STEM125
	08/26/19	12/14/19	11:15AM	02:25PM	F	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:** T Dunipace

### 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)

37389	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	08:00AM	09:25AM	TTH	IT125
	08/26/19	12/14/19	09:30AM	10:55AM	TTH	IT125

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:** G Marquez

37388	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	04:15PM	07:25PM	T	STEM125
	08/26/19	12/14/19	04:15PM	07:25PM	TH	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:** 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)

38099	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	02:30PM	03:55PM	MW	STEM125
	08/26/19	12/14/19	04:05PM	05:30PM	MW	STEM125

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

**Instructor:** Staff



### GAM-82

#### Game Rigging and Animation

4 UNITS

**Prerequisite:** GAM-81

Description: A course that teaches students how to prepare an animation rig accurately and anatomically in a 3D simulation environment. Prepare previously created humanoid and creature 3D models for an animation-ready state using professional production techniques. Applies classic animation principles to objects in a 3D environment. Introduces tools used for 3D animation as well as the best working practices for animating objects and characters. Applies real-life action sequences to characters. Topics include game cycle animation, weight, actions and personality for the character including advanced techniques with key frame animation including incorporating audio as well as dynamic animation to assist the character driven animation. 54 hours lecture and 54 hours laboratory. (TBA option)

37390 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	06:00PM	09:10PM	M	STEM125
	08/26/19	12/14/19	06:00PM	09:10PM	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:** 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. 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	08:00AM	09:25AM	TTH	ATEC205
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Justice

37391 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	09:15AM	10:40AM	MW	ATEC114
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** R Christov

37393 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	11:00AM	12:25PM	MW	ATEC114
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Justice

37395 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	04:15PM	05:40PM	TTH	ATEC205
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Roozee

37394 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	06:00PM	09:10PM	M	ATEC205
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Roozee

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

**Instructor:** S Justice

37397 Last Day to add: 09/06/19

WEL	08/26/19	12/14/19	11:10AM	12:35PM	MW	ATEC205
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** R Christov

37398 Last Day to add: 09/06/19

WEL	08/26/19	12/14/19	11:15AM	12:40PM	TTH	ATEC205
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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	12:45PM	02:10PM	MW	ATEC205
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** E Ogbuchiekwe

37401 Last Day to add: 09/06/19

WEL	08/26/19	12/14/19	04:10PM	05:35PM	MW	ATEC205
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Roozee

37400 Last Day to add: 09/06/19

WEL	08/26/19	12/14/19	06:00PM	09:10PM	W	ATEC205
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** E Ogbuchiekwe



### GEG-3

#### World Regional Geog

3 UNITS

**Prerequisite:** None.

Description: A study of major world regions, emphasizing current characteristics and issues including cultural, economic, political, and environmental conditions.

37403 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM MW ATEC205

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

**Instructor:** R Christov

## GUIDANCE

### GUI-45

#### Introduction to College

1 UNIT

**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.

37404 Last Day to add: 09/03/19

LEC 08/30/19 10/18/19 09:30AM 11:35AM F IT123

This above section is a short term class. Please note the start and end date

**Instructor:** A Kramer

### GUI-46

#### Intro Transfer Process

1 UNIT

**Prerequisite:** None.

Description: Survey of transfer requirements with hands-on activities through the application process for students transferring to four-year institutions.

37405 Last Day to add: 10/29/19

HYB 10/25/19 12/14/19 11:50AM 12:40PM F HUM102

10/25/19 12/14/19 ONLINE

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

**Instructor:** M Hernandez

### GUI-47

#### Career Exploration and Life Planning

3 UNITS

**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.

37407

Last Day to add: 09/06/19

OL 08/26/19 12/14/19

ONLINE

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

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** M Iliscupidez

37409

Last Day to add: 09/06/19

OL 08/26/19 12/14/19

ONLINE

The above section is an ONLINE class. Computer Internet access is required.

See [www.opencampus.com](http://www.opencampus.com)

**Instructor:** J Rubino

37416

Last Day to add: 09/06/19

OL 08/26/19 12/14/19

ONLINE

The above section is an ONLINE Class. Computer with ONLINE internet access required.

See [www.opencampus.com](http://www.opencampus.com)

**Instructor:** M Iliscupidez

37974

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM MW JFK106

The above section is restricted to JFK High School students participating in Norco College's Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

37415

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH JFK106

The above section is restricted to JFK High School students only. The above section is a web-enhanced class. Internet access is required.

**Instructor:** B Serrano Madsen

37420

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH IT208

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

**Instructor:** A Iglesias

38030

Last Day to add: 09/11/19

HYB 08/31/19 12/07/19 08:00AM 09:30AM S IT106

08/31/19 12/07/19 ONLINE

The above section is a short term hybrid class and will only meet on the following dates: 8/31/2019, 9/14/2019, 9/28/2019, 10/12/2019, 10/26/2019, 11/9/2019, 11/23/2019 and 12/7/2019. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** J Frith

37410

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 10:40AM MW IT127

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

**Instructor:** M Mendoza

37419

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 10:40AM MW HUM102

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

**Instructor:** J Moore

38094

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 10:40AM MW ATEC210

The above class is reserved for students participating in Norco College's Engineering Pathways program. For information on the program, please visit [www.norcollege.edu/stempathways](http://www.norcollege.edu/stempathways)

**Instructor:** B Quintanar





37975 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:35AM 11:00AM TTH JFK106  
The above section is restricted to JFK High School students participating in Norco College's Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.

**Instructor:** B Serrano Madsen

37418 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:40AM 11:05AM TTH IT106  
This course will include training and information required for NCAA athletes. This section is a web-enhanced class. Internet access is required.

**Instructor:** J Midgett

37413 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 10:30AM 01:40PM F IT209  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Lopez Ediss

37414 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:10AM 12:35PM MW IT127  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Williams

37987 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:15AM 12:40PM TTH IT125  
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.

**Instructor:** A Davis

37988 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:15AM 12:40PM TTH IT106  
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.

**Instructor:** V Yanez

37989 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:30AM 12:55PM TTH IT110  
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.

**Instructor:** M Jurado-Martinez

37417 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 12:45PM 02:10PM MW IT106  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** R Ghazaleh

37408 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:30PM 03:55PM MW IT127  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** O Guerrero

37976 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:30PM 03:55PM TTH JVHSD-24  
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.

**Instructor:** J Frith

37973 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 03:00PM 04:25PM MW CRHS102  
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

37978 Last Day to add: 09/06/19  
HYB 08/26/19 12/14/19 03:00PM 04:25PM T ERHSB212  
08/26/19 12/14/19 ONLINE

The above section is restricted to Eleanor Roosevelt 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](http://www.opencampus.com)

**Instructor:** C Lopez Ediss

38100 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 04:15PM 05:40PM T JFK102  
08/26/19 12/14/19 03:15PM 04:40PM TH JFK102

The above section is restricted to JFK Hybrid High School students participating in Norco College's Dual Enrollment program.

**Instructor:** D Johnson

37412 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:00PM 09:10PM W IT208  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** E Montgomery

38124 Last Day to add: 09/06/19  
LEC 08/26/19 12/14/19 06:00PM 09:10PM W CRCCRL609A  
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

37411 Last Day to add: 09/06/19  
HYB 08/26/19 12/14/19 07:35PM 09:00PM TH IT208  
08/26/19 12/14/19 ONLINE

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

**Instructor:** S Alcala

### 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 personal/interpersonal awareness necessary to succeed in college. 54 hours lecture. (Letter grade only)

38059 Last Day to add: 09/06/19  
OL 08/26/19 12/14/19 ONLINE  
The above section is an Online class. Computer with ONLINE internet access is required. See [www.opencampus.com](http://www.opencampus.com)

**Instructor:** J Rubino

38060 Last Day to add: 09/06/19  
OL 08/26/19 12/14/19 ONLINE  
The above section is an Online class. Computer with ONLINE internet access is required. See [www.opencampus.com](http://www.opencampus.com)

**Instructor:** A Davis



37430 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 07:35AM 09:00AM MW LIBR121

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

**Instructor:** R Zamora

37428 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH ATEC204

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

**Instructor:** E Amezola

37940 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH IT106

The above section is intended for students with disabilities. The course is intended to assist students in the areas of college success strategies, disability management, self-advocacy, and navigating academic adjustments. For additional information, please contact the DRC at (951) 372-7070. This section is a web-enhanced section. Internet access is required

**Instructor:** C Beirne

38093 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:00AM 12:10PM S IT109

The above section is restricted to Upward Bound students only. See Claudia Garcia for an add code. This section is a Web enhanced class. Internet access is required.

**Instructor:** C Garcia

37427 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 10:40AM MW IT123

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

**Instructor:** R Zamora

37429 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:30AM 12:55PM MW WEQW5

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

**Instructor:** Y Haro

37424 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:00PM 03:25PM TTH IT125

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

**Instructor:** R Chacon

37426 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 06:00PM 09:10PM TH CRCCRCL609A

The above course 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 Titterud

37421 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:30PM 09:40PM W IT206

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

**Instructor:** M Razo

## 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.

37433 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH THTR101

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

**Instructor:** S Witmer

37434 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:40AM 11:05AM TTH THTR101

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

**Instructor:** S Witmer

37440 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:10AM 12:35PM MW IT101

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

**Instructor:** V Genian

37436 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH WEQW7

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

**Instructor:** T Wallstrom

37432 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 12:45PM 02:10PM MW IT117

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

**Instructor:** V Genian

37435 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM MW THTR101

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

**Instructor:** T Wallstrom

37438 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM TTH WEQW7

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

**Instructor:** N Corselli

37439 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:10PM 05:35PM MW IT101

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

**Instructor:** T Wallstrom

37431 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM TH IT101

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

**Instructor:** N Corselli

37437 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:30PM 09:40PM TH WEQW7

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

**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.

37441 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:** S Kyriakos

### 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 pre-colonial 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.

37811 Last Day to add: 09/06/19

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

37810 Last Day to add: 09/06/19

WE 08/31/19 12/14/19 08:00AM 11:35AM S HUM103

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

**Instructor:** M Hickerson

37807 Last Day to add: 09/06/19

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

37806 Last Day to add: 09/06/19

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:** T Russell

37808 Last Day to add: 09/06/19

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

37809 Last Day to add: 09/06/19

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

37813 Last Day to add: 09/06/19

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

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 ENG-50 or 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.

38008 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH HUM103

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

**Instructor:** T Russell

### 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.

37449 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](http://www.opencampus.com).

**Instructor:** D Reina

37454 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](http://www.opencampus.com).

**Instructor:** C Day

37453 Last Day to add: 09/06/19

WE 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:** H Vion

37445 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:10AM 12:35PM MW HUM103

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

**Instructor:** S Kyriakos

37446 Last Day to add: 09/06/19

WE 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



37447 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:00PM 03:25PM TTH HUM103

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

**Instructor:** S Kyriakos

37448 Last Day to add: 09/06/19

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

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

**Instructor:** S Kyriakos

37450 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM W HUM103

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

**Instructor:** D Reina

37452 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM TH HUM111

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

**Instructor:** C Delgadillo

37443 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:30PM 09:40PM M HUM103

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

**Instructor:** H Vion

### HIS-14

#### African American History I

3 UNITS

**Prerequisite:** None

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

Description: A selected study of the complex continent from which African Americans came with special emphasis on the historical, political and socio-cultural aspects of African civilizations in Ancient Egypt and the western Sudan; the transformation of the continent and of Africans through the transatlantic slave trade; and a study of the African American experience during their confinement as slaves in British North America and the early national and ante-bellum periods through the Civil War and Emancipation. 54 hours lecture.

38009 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:40AM 11:05AM TTH HUM103

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

**Instructor:** T Russell

### HIS-34

#### History of Women in America

3 UNITS

**Prerequisite:** None

Description: A survey of the political social and cultural institutions which have shaped the role and character of women in America. The historical role of women in the development of the nation, and the ongoing struggle to achieve political, economic, and social equality will be examined. 54 hours lecture.

37442 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM T HUM103

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

**Instructor:** D Reina

## 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.

37461 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](http://www.opencampus.com).

**Instructor:** G DeAngelis

38034 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 07:35AM 09:00AM MW IT209

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

**Instructor:** A Silva

37462 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH LIBR121

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

**Instructor:** A Silva

37463 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH LIBR121

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

**Instructor:** M Bobo

### 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)

37465 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





### HUM-10

#### World Religions

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for English 1A

Description: Thought and concepts of the major religious systems, including primal religions, 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. See [www.opencampus.com](http://www.opencampus.com).

**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 English 1A

**Limitation on enrollment:** Enrollment in Honors Program

Description: Thought and concepts of the major religious systems, including primal religions, 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 evaluation. 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 ENG-1A.

Description: An interdisciplinary survey of the cultural movements in art, architecture, literature, music, philosophy, and religion of American culture. American culture is studied 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.

38025

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:10PM 05:35PM MW IT209

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

**Instructor:** M Bobo

## INTERDISCIPLINARY STUDIES

### ILA-1

#### Introduction to Tutor Training

1 UNIT

**Prerequisite:** None

**Advisory:** Qualification for ENG-1A

Description: Introduction to tutoring, with an emphasis on tutoring strategies, learning 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 practical 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 W 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, problem-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



38109 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:40AM 07:30AM TH SANTF213  
The above section is restricted to Santiago 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

38110 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:40AM 07:30AM TH SANTF107  
The above section is restricted to Santiago High School Students participating in Norco College's Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.

**Instructor:** R Finley

37980 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:00AM 07:50AM W CRHSP8  
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:** A Molina Padilla

37467 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:40AM 08:30AM W ERHSB206  
The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

37468 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:40AM 08:30AM W ERHSB208  
The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.

**Instructor:** J Mendez

37475 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:40AM 08:30AM W ERHSB102  
The above section is restricted to Eleanor Roosevelt High school students participating in Norco College's Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.

**Instructor:** R Finley

37981 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:50AM 08:40AM W SANTF213  
The above section is restricted to Santiago 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

37982 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:50AM 08:40AM W SANTD106  
The above section is restricted to Santiago High School students participating in Norco College's Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.

**Instructor:** M Hernandez

37983 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:50AM 08:40AM W SANTF107  
The above section is restricted to Santiago High School students participating in Norco College's Dual Enrollment Program. This section is a web-enhanced class. Internet access is required.

**Instructor:** D Sy

## 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.)

38112

Last Day to add: 12/14/19

LAB 08/26/19 12/14/19

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

**Instructor:** A Jimenez

## JOURNALISM

### JOU-7

#### 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.

37477

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM TTH IT210

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

**Instructor:** J Muto

## KINESIOLOGY

### KIN-4

#### 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.

38018

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](http://www.opencampus.com)

**Instructor:** S Witmer

38019

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](http://www.opencampus.com)

**Instructor:** S Witmer



38020 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](http://www.opencampus.com)

**Instructor:** K Roberts  
37488 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 08:00AM 09:25AM TTH WEQW7  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Wallstrom  
37489 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:40AM 11:05AM TTH WEQW7  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Wallstrom  
37490 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:30PM 09:40PM T WEQW7  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** T Wallstrom

### 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  
37478 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:00PM 09:10PM W WEQW3  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** W Elton

### 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  
37482 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:00PM 09:10PM TH WEQW3  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** J McMains

### 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  
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-38

#### 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.

37486 Last Day to add: 09/08/19

WE	08/26/19	11/06/19	08:45AM	10:35AM	MW	WEQW3
	08/26/19	11/06/19	10:45AM	11:50AM	MW	WEQW2

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

**Instructor:** B Wimer

37487 Last Day to add: 09/08/19

WE	08/26/19	11/06/19	12:45PM	02:35PM	MW	WEQW3
	08/26/19	11/06/19	02:45PM	03:50PM	MW	WEQW2

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

**Instructor:** B Wimer

### KIN-A40

#### 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.)

37491 Last Day to add: 09/06/19

LAB	08/26/19	12/14/19	12:45PM	02:10PM	MW	WEQW2
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** D Namekata

### KIN-A41

#### 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.)

37492 Last Day to add: 09/06/19

LAB	08/26/19	12/14/19	12:45PM	02:10PM	MW	WEQW2
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** D Namekata

### KIN-A46

#### Hatha Yoga, Beginning

1 UNIT

**Prerequisite:** None.

Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.

37495 Last Day to add: 09/06/19

LAB	08/26/19	12/14/19	08:00AM	09:25AM	TTH	WEQW2
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** F Stewart

37493 Last Day to add: 09/06/19

LAB	08/26/19	12/14/19	09:15AM	10:40AM	MW	WEQW2
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** L Zank

37494 Last Day to add: 09/06/19

LAB	08/26/19	12/14/19	09:40AM	11:05AM	TTH	WEQW2
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** F Stewart

### 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.)

37496 Last Day to add: 09/06/19

LAB	08/26/19	12/14/19	09:40AM	11:05AM	TTH	WEQW2
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** F Stewart

### KIN-A75A

#### 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.)

37497 Last Day to add: 09/06/19

LAB	08/26/19	12/14/19	08:00AM	09:25AM	TTH	WEQW8
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** B Wimer





### 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 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37498 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

37499 Last Day to add: 09/06/19

LAB 08/26/19 12/14/19 12:45PM 02:10PM MW WEQW8

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

**Instructor:** R Aguilar

### 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.

37501 Last Day to add: 09/06/19

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

37500 Last Day to add: 09/06/19

LAB 08/26/19 12/14/19 11:15AM 12:40PM TTH WEQW8

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

**Instructor:** V Genian

### 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. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

38052 Last Day to add: 09/06/19

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. 54 hours laboratory. (Letter grade, Pass/No pass option)

38087 Last Day to add: 09/06/19

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.)

38012 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.)

37502 Last Day to add: 09/26/19

LAB 08/26/19 12/14/19 08:00AM 09:30AM MWTH 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.)

37503 Last Day to add: 09/26/19

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



### KIN-V25

#### Soccer, Varsity, Women

3 UNITS

**Prerequisite:** None Limitation on enrollment (e.g. Performance tryout or audition): 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

## 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 ONLINE

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

**Instructor:** M Castro

37507 Last Day to add: 10/25/19

HYB 10/21/19 12/14/19 02:15PM 03:20PM M IT106

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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** S Seifried

## MANAGEMENT

### 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 ONLINE

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

**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 ONLINE

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

**Instructor:** A Riker

37511 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](http://www.opencampus.com).

**Instructor:** D Dokter

### 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 ONLINE

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

**Instructor:** G Zwart

38067 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:30PM 09:40PM M JFK216

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)

#### Standards for General Industry

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](http://www.opencampus.com).

**Instructor:** P Van Hulle

37998	Last Day to add: 09/03/19					
OL	08/26/19	10/18/19	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](http://www.opencampus.com).

**Instructor:** P Van Hulle

37916	Last Day to add: 10/29/19					
WE	10/25/19	12/13/19	08:45AM	11:05AM	F	IT125

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

**Instructor:** K Mosley

### MAN-57

#### CNC Program Writing

3 UNITS

**Prerequisite:** None

Description: Introduction to manual CNC program writing. Includes the Cartesian coordinate system, absolute/incremental programming, circular interpolation, cutter radius compensation, canned cycles, and other programming techniques related to CNC machine tools. Students will gain hands-on experience with CNC machine tools. 36 hours lecture and 54 hours laboratory. (Letter grade or Pass/No Pass)

37519

Last Day to add: 09/06/19

WE	08/26/19	12/14/19	06:00PM	06:50PM	M	CACT2
	08/26/19	12/14/19	06:00PM	07:05PM	W	CACT2
	08/26/19	12/14/19	07:10PM	08:35PM	MW	CACT2

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

**Instructor:** O Delmonte

### MAN-60

#### Hydraulic and Pneumatic Systems

3 UNITS

**Prerequisite:** None

**Advisory:** ENE-60 or MAT-52

Description: Basics of hydraulic and pneumatic systems including physical properties of liquids under pressure. Pumps, motors, accumulators, valves and drive cylinders are studied. The design and assembly of both high and low pressure fluid control systems from standard components is experienced. Applications of fluids in robotic and industrial equipment systems are presented. 40 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

37917	Last Day to add: 10/26/19					
WE	10/22/19	12/12/19	09:35AM	12:00PM	TTH	IT124
	10/22/19	12/12/19	12:30PM	05:00PM	TTH	IT124

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

**Instructor:** Staff

### 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

## MATHEMATICS

### MAT-1A

#### Calculus I

4 UNITS

**Prerequisite:** MAT-10 or MAT-23 or qualifying placement level.

Description: Functions, limits, continuity, techniques and applications of differentiation, the Fundamental Theorem of Calculus, and basic integration. 72 hours lecture and 18 hours laboratory. (Letter Grade or Pass/No Pass option)

38086 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	07:15AM	08:30AM	MTW	JVHSA-10
	08/26/19	12/14/19	07:15AM	08:05AM	F	JVHSA-10

The above section is restricted to Jurupa Valley High School students participating in Norco College's Dual Enrollment Program. The above section is a web-enhanced class. Internet access is required.

**Instructor:** P Ramirez

37553 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	09:15AM	10:30AM	MWF	WEQW4
	08/26/19	12/14/19	08:15AM	09:05AM	F	WEQW4

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:** E Shonoda

37552 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	09:40AM	12:10PM	T	WEQW6A
	08/26/19	12/14/19	09:40AM	11:10AM	TH	WEQW6A
	08/26/19	12/14/19	11:20AM	12:10PM	TH	WEQW6A

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 Jacinto

37959 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	12:45PM	02:50PM	TTH	JFK106
	08/26/19	12/14/19	12:45PM	01:35PM	F	JFK106

The above section is restricted to JFK High School students participating in Norco College's STEM Dual Enrollment Program. The above section is a web-enhanced class. Internet access is required.

**Instructor:** L Durfee

37550 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	02:00PM	04:30PM	T	WEQW4
	08/26/19	12/14/19	02:00PM	03:30PM	TH	WEQW4
	08/26/19	12/14/19	03:40PM	04:30PM	TH	WEQW4

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 Wood

37555 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	02:00PM	04:30PM	T	IT109
	08/26/19	12/14/19	02:00PM	03:30PM	TH	IT109
	08/26/19	12/14/19	03:40PM	04:30PM	TH	IT109

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

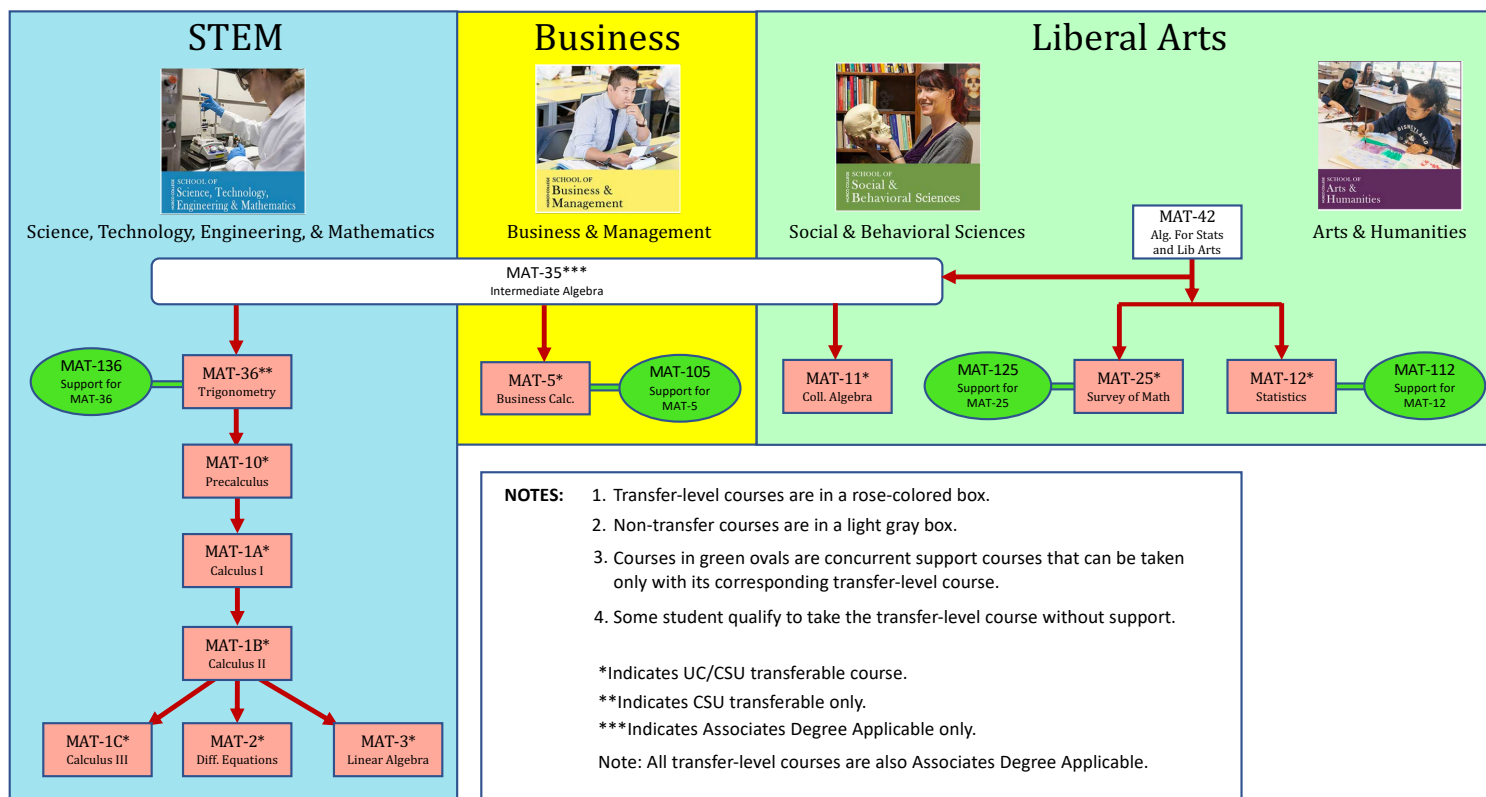
**Instructor:** V Tran





### NORCO COLLEGE

### MOVING THROUGH MATH



37554 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	03:00PM	05:30PM	M	ERHSC212
	08/26/19	12/14/19	03:00PM	04:25PM	W	ERHSC212
	08/26/19	12/14/19	04:40PM	05:30PM	W	ERHSC212

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:** J Tousignant

37556 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	04:15PM	06:45PM	M	WEQW5
	08/26/19	12/14/19	04:15PM	05:45PM	W	WEQW5
	08/26/19	12/14/19	05:55PM	06:45PM	W	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.

**Instructor:** O Olaluyoye

37551 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	06:30PM	09:00PM	M	ATEC210
	08/26/19	12/14/19	06:30PM	08:00PM	W	ATEC210
	08/26/19	12/14/19	08:10PM	09:00PM	W	ATEC210

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 Thomas

### 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.)

37558 Last Day to add: 09/06/19

WE	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.

**Instructor:** L Durfee

37557 Last Day to add: 09/06/19

WE	08/26/19	12/14/19	09:40AM	12:10PM	T	ATEC204
	08/26/19	12/14/19	09:40AM	11:10AM	TH	ATEC204
	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.

**Instructor:** S Johnson



NORCO COLLEGE

**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..

MAT-5 37854 M/W/F 11:00 am - 12:15 pm  
MAT-105 37857 M/W 9:45 - 10:55 am  
Staff

MAT-12 37866 M/W/F 8:55 - 10:10 am  
MAT-112 37899 M/W 7:40 - 8:50 am  
Staff

MAT-12 37868 T 10:35 am - 12:40 pm  
MAT-112 37869 Th 10:35 am - 12:40 pm  
Staff

MAT-12 37870 M/W 1:05 - 3:10 pm  
MAT-112 37871 F 1:05 - 3:10 pm  
Staff

MAT-12 37874 M/W/F 1:40 - 2:55 pm  
MAT-112 37875 M/W 12:25 pm - 1:35 pm  
Staff

MAT-12 37876 M/W/F 4:20 - 5:45 pm  
MAT-112 37877 M/W 3:05 - 4:15 pm  
Staff

MAT-12 37872 M/W 6:00 - 8:35 pm  
MAT-112 37873 Th 6:00 - 8:05 pm  
Staff

MAT-25 37858 T/Th 11:25 am - 12:50 pm  
MAT-125 37859 T/Th 10:15 - 11:20 am  
Staff

MAT-25 37860 T/Th 3:10 pm - 4:35 pm  
MAT-125 37861 T/Th 2:00 - 3:05 pm  
Staff

MAT-36 37862 M/W/F 11:35 am - 12:50 pm  
MAT-136 37863 M/W 10:20 - 11:30 am  
Staff

MAT-36 37864 M/W/F 4:35 - 5:50 pm  
MAT-136 37865 M/W 3:20 - 4:30 pm  
Staff



37559	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	02:10PM	04:40PM	T	STEM201
	08/26/19	12/14/19	02:10PM	03:40PM	TH	STEM201
	08/26/19	12/14/19	03:50PM	04:40PM	TH	STEM201

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 Mulari

37560	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	07:00PM	09:30PM	M	WEQW4
	08/26/19	12/14/19	07:00PM	08:30PM	W	WEQW4
	08/26/19	12/14/19	08:40PM	09:30PM	W	WEQW4

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:** S Borissova

### MAT-1C

#### Calculus III

4 UNITS

**Prerequisite:** MAT-1B

Description: Vectors in a plane and in space, vector functions, calculus on functions of multiple variables, partial derivatives, multiple integrals, line and surface integrals, Green's theorem, Stokes' theorem, Divergence theorem, and elementary applications to the physical and life sciences. 72 hours lecture. 18 hours lab.

37561	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	09:40AM	12:10PM	T	STEM302
	08/26/19	12/14/19	09:40AM	11:10AM	TH	STEM302
	08/26/19	12/14/19	11:20AM	12:10PM	TH	STEM302

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 Robles

38119	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	03:00PM	05:30PM	M	STEM302
	08/26/19	12/14/19	03:00PM	04:30PM	W	STEM302
	08/26/19	12/14/19	04:40PM	05:30PM	W	STEM302

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

**Instructor:** J Mulari

37562	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	05:40PM	08:10PM	T	ATEC204
	08/26/19	12/14/19	05:40PM	07:10PM	TH	ATEC204
	08/26/19	12/14/19	07:20PM	08:10PM	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.

**Instructor:** J Tousignant

### MAT-2

#### Differential Equations

4 UNITS

**Prerequisite:** MAT-1B

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 solution(s) exists, 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.)

37563	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	09:40AM	11:45AM	TTH	WEQW4

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.)

37565	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	11:25AM	12:50PM	MW	WEQW4

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

**Instructor:** J Mulari

38118	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	01:10PM	02:35PM	MW	STEM302

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.)

37854	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	11:00AM	12:15PM	MWF	ATEC211

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

37595	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	01:00PM	02:15PM	MWF	WEQW4

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

**Instructor:** S Park

37594	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	02:00PM	04:05PM	TTH	WEQW3

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

**Instructor:** J Basinger



### MAT-10

#### Precalculus

5 UNITS

**Prerequisite:** MAT-36 or qualifying placement level

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)

37524 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:15AM 10:50AM MWF WEQW6A

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

**Instructor:** M Zeller

37523 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:15AM 12:50PM MWF ATEC204

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

**Instructor:** J DeGuzman

37527 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 01:00PM 02:35PM MWF ATEC204

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

**Instructor:** J DeGuzman

37525 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:30PM 05:00PM TTH ATEC204

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

**Instructor:** J DeGuzman

37526 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:00PM 08:30PM MW ATEC204

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

**Instructor:** J Warsinski

### MAT-11

#### College Algebra

4 UNITS

**Prerequisite:** MAT-35 or qualifying placement level

Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade or Pass/No Pass option)

37530 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:20AM 09:25AM TTH LIBR108

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

**Instructor:** A Walid

37532 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:45AM 09:00AM MWF ATEC211

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

**Instructor:** L Ting

37528 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:45PM 04:00PM MWF ATEC204

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

**Instructor:** J DeGuzman

37529

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:15PM 06:20PM MW JFK102

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

**Instructor:** S Park

37531 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:15PM 06:20PM TTH WEQW6A

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

**Instructor:** E Hwang

### MAT-12

#### Statistics

4 UNITS

**Prerequisite:** MAT-35 or MAT-37 or MAT-43 or qualifying placement level.

Description: 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.)

37542 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](http://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

37543 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](http://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 Johnson

37548 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](http://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:** J Mulari

38129 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](http://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

37541 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:20AM 09:25AM TTH ATEC211

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

**Instructor:** S Johnson





37535 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 07:45AM 09:00AM MWF STEM201

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

**Instructor:** N Alvarado

37533 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 08:00AM 10:30AM M IT109

08/26/19 12/14/19 ONLINE

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

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** B Johnson

38078 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 08:00AM 10:05AM MW 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. Enrolling in the above course will require enrolling in MAT-112-38079.

**Instructor:** J La Turno

37534 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 08:00AM 10:30AM W IT109

08/26/19 12/14/19 ONLINE

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

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** B Johnson

37866 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:55AM 10:10AM MWF LIBR108

Enrollment in the above class requires first enrolling in MAT-112-37899. The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Warsinski

37546 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 10:30AM MWF STEM201

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

**Instructor:** N Alvarado

37868 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 10:35AM 12:40PM T LIBR108

08/26/19 12/14/19 ONLINE

Enrollment in the above class requires first enrolling in MAT-112-37869. The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Hutchings

37538 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:30PM MWF WEQW6A

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

**Instructor:** L Ting

37539 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:30PM MWF WEQW7

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

**Instructor:** Y Lam

38080 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 11:30AM 01:35PM MW 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 La Turno

37545 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 01:00PM 02:15PM MWF ATEC210

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

**Instructor:** Y Lam

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 MWF ATEC211

Enrollment in the above class requires first enrolling in MAT-112-37875. 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

37957 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 MWF IT109

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 MWF 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

08/26/19 12/14/19 ONLINE

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

**Instructor:** V Tran



37872 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:00PM 08:05PM MW LIBR108  
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 Last Day to add: 09/06/19  
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 Last Day to add: 09/06/19  
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 Last Day to add: 09/06/19  
HYB 08/26/19 12/14/19 07:55PM 10:00PM T ATEC211  
08/26/19 12/14/19 ONLINE  
The above section is a hybrid class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** K Gilman

### MAT-25

#### Mathematics for the Liberal Arts Student

3 UNITS

**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 Last Day to add: 09/06/19  
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 Last Day to add: 09/06/19  
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 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 03:10PM 04:35PM TTH ATEC211  
Enrollment in the above class requires first enrolling in MAT-mat-125-37861. The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Hsu

### MAT-35

#### Intermediate Algebra

5 UNITS

**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 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:00AM 09:30AM TTH WEQW6A  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Park

37575 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:15AM 10:50AM MWF WEQW7  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** F Gelenchi

37574 Last Day to add: 09/06/19  
HYB 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](http://www.opencampus.com).

**Instructor:** E Chung

37580 Last Day to add: 09/06/19  
HYB 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](http://www.opencampus.com).

**Instructor:** S Park

37568 Last Day to add: 09/06/19  
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

4 UNITS

**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 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](http://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 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:35AM 12:50PM MWF LIBR108  
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 Last Day to add: 09/06/19  
HYB 08/26/19 12/14/19 01:00PM 02:15PM MW WEQW5  
08/26/19 12/14/19 ONLINE  
The above section is a hybrid class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** E Chung



37585 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:00PM 04:05PM TTH WEQW6A

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

**Instructor:** E Hwang

37588 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 02:45PM 04:00PM MW WEQW5  
08/26/19 12/14/19 ONLINE

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

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** E Chung

37586 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:15PM 05:30PM MWF WEQW4

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

**Instructor:** R Prior

37864 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:35PM 05:50PM MWF LIBR108

Enrollment in the above class requires first enrolling in MAT-136-37865. The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Baccari

37590 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:30PM 08:35PM TTH ATEC210

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

**Instructor:** M Rocha

### 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.

37591 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:25AM 10:30AM MWF ATEC204

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

**Instructor:** J Frewing

37853 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 08:05PM MWTH ATEC211

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

**Instructor:** T Malouf

### MAT-105

#### Corequisite Support for Math 5

2 UNITS

**Prerequisite:** Appropriate Placement

**Corequisite:** MAT-5

Description: A concurrent co-requisite 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.)

37857 Last Day to add: 09/13/19

WE 08/26/19 11/27/19 09:45AM 10:55AM MW ATEC211

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

### 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)

37899 Last Day to add: 09/13/19

WE 08/26/19 11/27/19 07:40AM 08:50AM MW LIBR108

Enrolling in the above course will require enrolling in MAT-12-37866. The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Warsinski

38079 Last Day to add: 09/10/19

LEC 08/30/19 12/06/19 08:00AM 10:05AM F 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. Enrolling in the above course will require enrolling in MAT-12-38078.

**Instructor:** J La Turno

37869 Last Day to add: 09/09/19

WE 08/29/19 11/21/19 10:35AM 12:40PM TH LIBR108

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



37875 Last Day to add: 09/13/19  
WE 08/26/19 11/27/19 12:25PM 01:35PM MW ATEC211  
Enrolling in the above course will require enrolling in MAT-12-37874. The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Warsinski

37871 Last Day to add: 09/10/19  
WE 08/30/19 11/22/19 01:05PM 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-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)

37859 Last Day to add: 09/09/19  
WE 08/27/19 11/26/19 10:15AM 11:20AM TTH ATEC211  
Enrolling in the above course will require enrolling in MAT-MAT-25-37858. The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Frewing

37861 Last Day to add: 09/09/19  
WE 08/27/19 11/26/19 02:00PM 03:05PM TTH ATEC211  
Enrolling in the above course will require enrolling in MAT-25-37860. The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Hsu

### MAT-136

#### Corequisite Support for Mat-36

2 UNITS

**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  
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

2 UNITS

**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

38036	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-1C

#### Advanced Performance Techniques For Studio Recording

2 UNITS

**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

38037	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-3

#### Digital Audio Production 1

4 UNITS

**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

37620	Last Day to add: 09/06/19					
WE	08/26/19	12/14/19	03:25PM	04:50PM	MW	IT106
	08/26/19	12/14/19	05:00PM	06:25PM	MW	IT106

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

**Instructor:** B Kerr

### MIS-7

#### Introduction To Music Technology

3 UNITS

**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

2 UNITS

**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

2 UNITS

**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 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-12

#### Live Sound Reinforcement

3 UNITS

**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 T THTR204

08/26/19 12/14/19 09:40AM 10:30AM TH THTR204

08/26/19 12/14/19 10:55AM 12:20PM T THTR204

08/26/19 12/14/19 10:40AM 12:05PM TH THTR204

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

**Instructor:** A Eastwood

## MARKETING

### MKT-20

#### Principles of Marketing

3 UNITS

**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 JFK112

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

**Instructor:** A Riker

## MUSIC

### MUS-3

#### Fundamentals of Music

4 UNITS

**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

4 UNITS

**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

3 UNITS

**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 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 ONLINE

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

**Instructor:** I Zubizarreta



37626 Last Day to add: 10/29/19  
OL 10/21/19 12/14/19 ONLINE  
The above section is an online class. Computer with Internet access required.  
See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** S Son

38029 Last Day to add: 09/18/19  
HYB 09/07/19 12/14/19 10:30AM 12:30PM S IT101  
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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** J Lee

37624 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 12:45PM 02:10PM MW THTR101

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

**Instructor:** E Holt

### 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.

37969 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 CRHS106

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

**Instructor:** Staff

37970 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:30PM 03:55PM MW JVHSB7

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

**Instructor:** Staff

37627 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:30PM 03:55PM TTH IT101

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

**Instructor:** N Pirozzi

37971 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:45PM 04:10PM TTH LSHS104

The above section is restricted to La Sierra 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.

37628 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:30PM 09:40PM TH HUM102

The above section is a 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.

37630 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-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.

37631 Last Day to add: 09/06/19  
WEL 08/26/19 12/14/19 09:40AM 11:05AM TTH HUM101

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

**Instructor:** N Pirozzi

38040 Last Day to add: 09/06/19  
WEL 08/26/19 12/14/19 12:45PM 02:10PM MW HUM101

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

**Instructor:** Z Shehata

### 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.

37632 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



38041 Last Day to add: 09/06/19  
WEL 08/26/19 12/14/19 12:45PM 02:10PM MW HUM101  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** Z Shehata

### 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:** N Pirozzi  
38042 Last Day to add: 09/06/19  
WEL 08/26/19 12/14/19 12:45PM 02:10PM MW 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  
38043 Last Day to add: 09/06/19  
WEL 08/26/19 12/14/19 12:45PM 02:10PM MW HUM101  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** Z Shehata

### 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. 108 hours laboratory.

37636 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, 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@norcollege.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  
**Corequisite:** Enrollment in a two- or three-unit performance class.  
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 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 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 9 hours each week. For additional information, please email the instructor. kim.kamerin@norcollege.edu or call 951-738-7703.

**Instructor:** K Kamerin





### 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. Participation 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. Participation 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. **Discription:** 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 beginning 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 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. 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@norcollege.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. See www.opencampus.com.

**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 philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, 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. See www.opencampus.com.

**Instructor:** L Montes

37647 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:40AM 11:05AM TTH ATEC205

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

**Instructor:** J Sentmanat

37645 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH ATEC210

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

**Instructor:** J Sentmanat

37646 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM TTH STEM302

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

**Instructor:** J Sentmanat

37649 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM TH ATEC114

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

**Instructor:** J Gill

### 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 understanding, 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. See www.opencampus.com.

**Instructor:** L Montes

37652 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH HUM102

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

**Instructor:** M Murphy



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

37650 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 10:30AM 02:35PM F ATEC205  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Farmer

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

### PHI-12

#### Ethics: Contemp Moral Issues

3 UNITS

**Prerequisite:** None.

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

37653 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:30PM 03:55PM 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.

38026 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 12:45PM 02:10PM MW WEQW7  
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

## 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. (Letter grade or Pass/No Pass option)

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 W HUM201

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

**Instructor:** O Tripathi

37661 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:40AM 11:05AM TTH HUM201  
08/26/19 12/14/19 02:00PM 05:10PM T HUM201

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

**Instructor:** O Tripathi

38097 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 04:10PM 05:35PM TTH ATEC210  
08/26/19 12/14/19 06:15PM 09:25PM T HUM201

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

**Instructor:** F Motta



### PHY-4C

#### Heat, Light and Waves

4 UNITS

**Prerequisite:** PHY-4A

**Corequisite:** MAT-1B

Description: Examines fluid mechanics; temperature, heat transfer, thermal properties of matter, laws of thermodynamics; oscillations and waves; reflection, refraction, lenses and mirrors, interference, and diffraction. 54 hours lecture and 54 hours laboratory.

37662 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:10AM 12:35PM MW HUM201

08/26/19 12/14/19 02:30PM 05:40PM M HUM201

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

**Instructor:** O Tripathi

### PHY-10

#### Introduction to General Physics

3 UNITS

**Prerequisite:** MAT-52

Description: A non-science major physics course covering mechanics, properties of matter, heat, sound, light, electricity and magnetism, and nuclear physics. 54 hours lecture.

37657 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:10PM 05:35PM TTH LIBR121

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

**Instructor:** D Johnson

37656 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 07:25PM MW HUM201

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

**Instructor:** I Salakhutdinov

### PHY-11

#### Physics Laboratory

1 UNIT

**Prerequisite:** None

**Corequisite:** PHY-10

Description: An optional laboratory science course for the non-science major. Emphasis on laboratory techniques, student experimentation and laboratory demonstrations. 54 hours laboratory.

37658 Last Day to add: 09/06/19

WEL 08/26/19 12/14/19 06:00PM 09:10PM TH HUM201

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

**Instructor:** I Salakhutdinov

## POLITICAL SCIENCE

### POL-1

#### American Politics

3 UNITS

**Prerequisite:** None

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

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

37670 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](http://www.opencampus.com).

**Instructor:** S Popiden

37674

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](http://www.opencampus.com).

**Instructor:** S Popiden

37946

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

**Instructor:** S Popiden

37676

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH IT122

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

**Instructor:** P Clark

38090

Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 08:00AM 11:10AM F 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:** S Fathy

37663

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 10:40AM MW IT122

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

**Instructor:** P Clark

37667

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:10AM 12:35PM MW IT122

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

**Instructor:** P Clark

37666

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH IT206

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

**Instructor:** S Popiden

37675

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM MW STEM201

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

**Instructor:** R Brown

37669

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:10PM 05:35PM MW THTR101

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

**Instructor:** J Buckner

37671

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:10PM 05:35PM MW IT122

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

**Instructor:** R Brown

37672

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM M THTR101

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

**Instructor:** R Brown

37664

Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM T IT101

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

**Instructor:** F Carballo





37842 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 06:00PM 07:25PM T STEM201  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** C Moffatt

37673 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:00PM 09:10PM W IT202

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

**Instructor:** J Buckner

37665 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:00PM 09:10PM TH STEM201

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

**Instructor:** S Nicola

37843 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 07:35PM 09:00PM T STEM201  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** C Moffatt

### 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.

37679 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 09:40AM 11:05AM TTH IT122

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

**Instructor:** S Popiden

### 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. This honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, student-generated and-led discussions and projects, a focus on primary texts in translation, and the applications of higher-level thinking and writing skills analysis, synthesis, and evaluation. Students may not receive credit for both POL-4 and POL-4H. 54 hours lecture.

37846 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 12:45PM 02:10PM MW IT208

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

**Instructor:** C Samuels

### 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, with emphasis on how the constitution impacts public policy. Also, the course looks at the constitutional considerations affecting civil rights and liberties. 54 hours lecture.

38061 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 02:40PM 04:05PM MW WEQW3

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

**Instructor:** P Clark

### 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.

37965 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 02:30PM 03:55PM TTH IT122

"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.

37681 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](http://www.opencampus.com).

**Instructor:** L Adams

37687 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](http://www.opencampus.com).

**Instructor:** L Adams

37966 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](http://www.opencampus.com).

**Instructor:** T Caddell



37689 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 10:40AM MW IT202

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

**Instructor:** V Agars

37688 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:40AM 11:05AM TTH IT202

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

**Instructor:** A Deane

37680 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:00AM 02:10PM F IT122

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

**Instructor:** J Trujillo

37684 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM MW IT122

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

**Instructor:** N Hightower

37682 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:10PM 05:35PM MW IT202

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

**Instructor:** N Hightower

37685 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:10PM 05:35PM TTH IT202

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

**Instructor:** G Curasi

37683 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM M WEQW3

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

**Instructor:** K Carlson

37686 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM TH ATEC205

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

**Instructor:** W Holmquist

### 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

### 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-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](http://www.opencampus.com).

**Instructor:** K Zamiska

37708 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](http://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:** V Agars

38066 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 08:00AM 09:25AM MW 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:** J Trujillo

37705 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 09:25AM TTH IT202

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

**Instructor:** A Deane

38065 Last Day to add: 09/06/19

LEC 08/26/19 12/14/19 08:00AM 09:25AM TTH CRCCRCUL609B

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 Hunter-Southern

37700 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 08:00AM 11:10AM F IT109

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

**Instructor:** B Adams

37703 Last Day to add: 09/06/19

WE 08/31/19 12/14/19 08:00AM 11:35AM S ATEC114

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

**Instructor:** H Alvarado



37699 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 10:40AM MW IT101

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

**Instructor:** G Curasi

37702 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:15AM 12:40PM TTH WEQW5

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

**Instructor:** A Deane

37701 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 12:45PM 02:10PM MW IT122

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

**Instructor:** N Hightower

37947 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 03:00PM 04:25PM MW 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:** G Curasi

37948 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 03:00PM 04:30PM MW ERHSC102

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

**Instructor:** J Hicks

37704 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM T ATEC114

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

**Instructor:** J Hicks

### 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.

37694 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 06:00PM 09:10PM T ATEC205

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

**Instructor:** W Radtke

### PSY-35

#### Abnormal Psychology

3 UNITS

**Prerequisite:** None.

Description: A survey of the nature, causes and treatment of psychological disorder.

37695 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:40AM 11:05AM TTH IT101

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.

38032 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 02:30PM 03:55PM MW IT208

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

**Instructor:** L Adams

### 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.

37696 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 12:30PM 02:25PM MW WEQW6B

08/26/19 12/14/19 09:15AM 10:40AM W STEM302

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

**Instructor:** K Zamiska

37697 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 04:05PM 05:55PM TTH IT122

08/26/19 12/14/19 09:15AM 10:40AM M STEM302

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.

37984 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 09:15AM 10:40AM MW LIBR110

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

**Instructor:** M Sloniger

37709 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 12:45PM 02:10PM MW LIBR110

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

**Instructor:** M Sloniger



### 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.)

37713 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:10AM 12:35PM MW LIBR110

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

Instructor: M Sloniger

37712 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:20AM 12:45PM TTH LIBR110

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

Instructor: M Sloniger

### 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.)

38126 Last Day to add: 12/14/19

WEL 08/26/19 12/14/19 09:40AM 10:30AM TTH LIBRLRC

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

Instructor: M Sloniger

38128 Last Day to add: 12/14/19

WEL 08/26/19 12/14/19 02:30PM 03:20PM MW LIBRLRC

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

Instructor: M Sloniger

38127 Last Day to add: 12/14/19

WEL 08/26/19 12/14/19 02:30PM 03:20PM TTH LIBRLRC

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

Instructor: M Sloniger

## REAL ESTATE

### RLE-80

#### Real Estate Principles

3 UNITS

Prerequisite: None.

Description: Comprehensive analysis of basic laws, principles, terminology and current practices of California real estate.

37715 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](http://www.opencampus.com). Please note the start and end dates.

Instructor: L Namazi

37716 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](http://www.opencampus.com). Please note the start and end dates.

Instructor: L Namazi

37717

Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 06:00PM 07:25PM M JFK112

08/26/19 12/14/19 ONLINE

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

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.

37718 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](http://www.opencampus.com). Please note the start and end dates.

Instructor: T Wagner

37719 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](http://www.opencampus.com). Please note the start and end dates.

Instructor: T Wagner

### 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.

37720 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](http://www.opencampus.com). Please note the start and end dates.

Instructor: T Wagner

38068 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](http://www.opencampus.com).

Instructor: T Wagner





### 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 ONLINE

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

**Instructor:** S Doll

37722 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](http://www.opencampus.com).

**Instructor:** S Doll

## 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:** G Graham

## 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 investigation 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 process 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 ONLINE

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

**Instructor:** F Vu

38021 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](http://www.opencampus.com).

**Instructor:** F Vu

37726 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 07:35AM 09:00AM MW HUM102

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

**Instructor:** K Andacheh

37727 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 08:00AM 09:25AM TTH STEM201

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

**Instructor:** K Andacheh

37730 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 08:00AM 11:10AM F IT101

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

**Instructor:** M Ysaïs

37728 Last Day to add: 09/06/19  
WE 08/31/19 12/14/19 08:00AM 11:35AM S HUM111

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

**Instructor:** M Chavez

37731 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 09:40AM 11:05AM TTH STEM201

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

**Instructor:** K Andacheh

37723 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 11:15AM 12:40PM TTH STEM201

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

**Instructor:** K Andacheh

37734 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 12:45PM 02:10PM MW IT209

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

**Instructor:** K Andacheh



37725 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 02:30PM 03:55PM T IT117  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** R Halili

37824 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 02:30PM 03:55PM TH IT117  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** R Halili

37949 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 03:00PM 04:25PM TTH ERHSE104

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

**Instructor:** T Gamache

37729 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 04:10PM 05:35PM MW WEQW6A

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

**Instructor:** J Hill

37732 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 04:10PM 05:35PM TTH IT101

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

**Instructor:** J Hill

37724 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 06:00PM 09:10PM TH IT109

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

**Instructor:** F Vu

### SOC-2

#### American Social Problems

3 UNITS

**Prerequisite:** None

Description: Identification and analysis of major social problems confronting contemporary 20th century 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 CRCCRCL609A

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 CRCCRCL609B

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-10

#### Race And Ethnic Relations

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  
 WE 08/26/19 12/14/19 02:30PM 03:55PM TTH ATEC205

The above section is a web-enhanced class, designed with special emphasis on African American culture. See the Umoja counselor ([sean.davis@norcollege.edu](mailto:sean.davis@norcollege.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-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)

38013 Last Day to add: 09/06/19  
 LEC 08/26/19 12/14/19 02:05PM 03:30PM MW CRCCRCL609A

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 CRCCRCL609A

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-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.

37743 Last Day to add: 09/06/19

WE 08/26/19 12/14/19 11:10AM 12:35PM MW HUM102

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

**Instructor:** K Andacheh

## 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.

Please visit our online appointment system at:

<https://esars.rccd.edu/Norco/Assessment/index.htm>

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

### 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.

See [www.opencampus.com](http://www.opencampus.com).

**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.

See [www.opencampus.com](http://www.opencampus.com).

**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.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** A Covarrubias

37749 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 09:30AM 01:05PM F LIBR110

08/26/19 12/14/19 ONLINE

08/26/19 12/14/19 ONLINE

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

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** D Hitchcock

37747 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.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** A Covarrubias

37751 Last Day to add: 09/06/19

HYB 08/26/19 12/14/19 02:00PM 04:30PM TTH LIBR109

08/26/19 12/14/19 ONLINE

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

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** D Hitchcock



37748 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 06:30PM 09:00PM MW LIBR109  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** C Solorzano

37746 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 06:30PM 09:00PM TTH LIBR109  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** N Guillen

### 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.)

37754 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 07:25AM 09:00AM MWF LIBR110  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** I Vejar

37753 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 09:40AM 12:10PM TTH LIBR109  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** A Covarrubias

37755 Last Day to add: 09/06/19  
 HYB 08/26/19 12/14/19 02:20PM 04:50PM MW LIBR110  
 08/26/19 12/14/19 ONLINE

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

**Instructor:** A Lomeli Gomez

### 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.)

37756 Last Day to add: 09/06/19  
 WE 08/26/19 12/14/19 08:00AM 11:10AM T LIBR110  
 08/26/19 12/14/19 08:00AM 10:05AM TH LIBR110  
 08/26/19 12/14/19 10:10AM 11:00AM TH LIBR110

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

**Instructor:** D Hitchcock

### 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)

37990 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](http://www.opencampus.com).

**Instructor:** R Contreras

## 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.

37757 Last Day to add: 09/03/19  
 OL 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** W Stevens

37759 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](http://www.opencampus.com).

**Instructor:** W Stevens





37761 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](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** W Stevens

37760 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 02:00PM 03:25PM TTH THTR101  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** W Stevens

37758 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 06:00PM 09:10PM W THTR101  
The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Calarco

### 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.

38085 Last Day to add: 09/06/19  
WE 08/26/19 12/14/19 03:35PM 04:40PM T THTR101  
08/26/19 12/14/19 03:35PM 04:25PM TH THTR101  
08/26/19 12/14/19 04:40PM 06:05PM TTH THTR101

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

**Instructor:** W Stevens

## 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.

37762 Last Day to add: 09/06/19  
WRKO 08/26/19 12/14/19 ONLINE

The above section is an online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture, students are required to attend one, one hour orientation at Norco College the first week of the semester. The orientations have been scheduled for: TBD Students need to only attend one. Students must also meet on-campus for an instructor conference and for final exams. Please see Canvas for specific dates and times.

**Instructor:** A Etchison

37763 Last Day to add: 09/06/19  
WRKO 08/26/19 12/14/19 ONLINE

The above section is an online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture, students are required to attend one, one hour orientation at Norco College the first week of the semester. The orientations have been scheduled for: TBD Students need to only attend one. Students must also meet on-campus for an instructor conference and for final exams. Please see Canvas for specific dates and times.

**Instructor:** D Schlanger



## 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.

37791 Last Day to add: 12/11/19

WEL 08/26/19 12/14/19 03:00PM 03:50PM TH IT121

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

**Instructor:** N Capps

37792 Last Day to add: 12/11/19

WEL 08/26/19 12/14/19 04:00PM 04:50PM TH IT121

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

**Instructor:** N Capps

37793 Last Day to add: 12/11/19

WEL 08/26/19 12/14/19 05:00PM 05:50PM TH IT121

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

**Instructor:** N Capps