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

ACCOUNTING

ACC-1A  Principles of Accounting I  3 UNITS
Prerequisite: None
Advisory: BUS-20
Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture.
37002     Last day to add: 09/07/18
OL  08/27/18 12/14/18
ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com. In addition to the online lecture, students are required to come to campus for a proctored final exam. Your instructor will have additional details.
Instructor: P Worsham

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.
37004     Last day to add: 09/07/18
WE  08/27/18 12/14/18 07:40AM 09:05AM MW  IT 122
The above section is a web-enhanced class. Internet access is required.
Instructor: D White

Our distance education courses are currently undergoing a change in learning management systems (LMS) from Blackboard to Canvas. Certain course sections are now being taught in Canvas. To find a list of these courses and how this affects your online, hybrid, or web-enhanced class, please go to the Distance Education Website, students’ page for RCCD at: http://www.opencampus.com/students.html.
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.
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.

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.

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.

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.

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.

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.

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.

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.

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.
**ADMINISTRATION OF JUSTICE**

**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:** 10/30/18  
OL  
10/22/18  12/14/18  
**On Line**  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
**Instructor:** M 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.)  
37961  
**Last day to add:** 10/27/18  
HYB  
10/23/18  12/13/18  
08:00AM  09:25AM  TTH  CACT 2  
**HYBO**  
10/23/18  12/13/18  
08:00AM  09:25AM  TTH  CACT 2  
The above section is a short term hybrid class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
**Instructor:** N Ildefonso

**ACC-67  U.S. and California Income Tax Preparation**  
4 UNITS  
Prerequisite: None  
Description: U.S. and California income tax principles and tax return preparation as it relates to individuals, sole proprietorships, and other business entities. This course is certified by the California Tax Education Council (CTEC) as fulfilling the 60-hour qualifying education requirement imposed by the State of California for becoming a Registered Tax Preparer. 72 hours lecture.  
37012  
**Last day to add:** 09/02/18  
HYB  
08/29/18  10/17/18  
05:30PM  09:45PM  W  JFK 118  
**HYBO**  
08/29/18  10/17/18  
05:30PM  09:45PM  W  JFK 118  
The above section is a short term hybrid class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
**Instructor:** J Muir

**ADJ-2  Principles and Procedures of the Justice System**  
3 UNITS  
Prerequisite: None  
Description: This course provides 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.  
37015  
**Last day to add:** 09/07/18  
WE  
08/27/18  12/14/18  02:00PM 03:25PM  TTH  IT 202  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** S Williams

**ADJ-3  Concepts of Criminal Law**  
3 UNITS  
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.  
37777  
**Last day to add:** 09/07/18  
WE  
08/27/18  12/14/18  06:00PM  09:10PM  T  IT 202  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** S Williams

**ADJ-4  Legal Aspects of Evidence**  
3 UNITS  
Prerequisite: None  
Description: Origin, development, philosophy and constitutional basis of evidence; constitutional and procedural considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies. 54 hours lecture.  
37016  
**Last day to add:** 09/07/18  
WE  
08/27/18  12/14/18  11:15AM  12:40PM  TTH  IT 202  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** S Williams

**ADJ-14  Advanced Criminal Investigation**  
3 UNITS  
Prerequisite: ADJ-13 or JUS-13  
Description: Advanced training and skill development in the conduct of crime scene investigation and in the recording, collection, and preservation of physical 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 24 hours laboratory. (TBA Option)  
37776  
**Last day to add:** 10/01/18  
WE  
08/27/18  12/14/18  06:00PM  09:10PM  M  IT 202  
WEL  
08/27/18  12/14/18  09:00AM  02:50PM  S  IT 202  
The above section is a web-enhanced class, which has 24 hours of lab to be held on 9/15, 10/6, 11/3 and 12/1 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.
37023  Last day to add: 09/07/18
OL 08/27/18 12/14/18 10:40AM 09:10PM M HUM 111
The above section is an online class. Computer with Internet access required.
Instructor: A Gray

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.
37020  Last day to add: 09/07/18
WE 08/27/18 12/14/18 07:30AM 10:40AM F HUM 111
The above section is a web-enhanced class. Internet access is required.
Instructor: G Loffler

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.
37022  Last day to add: 09/07/18
HYB 08/27/18 12/14/18 02:00PM 03:25PM T HUM 111
HYBO 08/27/18 12/14/18 ON LINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: C Buchanan

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.
37782  Last day to add: 09/07/18
HYB 08/27/18 12/14/18 02:00PM 03:25PM TH HUM 111
HYBO 08/27/18 12/14/18 ON LINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: C Buchanan

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.
37018  Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 09:10PM M HUM 111
The above section is a web-enhanced class. Internet access is required.
Instructor: P Roberts

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.
37780  Last day to add: 09/07/18
WEL 08/27/18 12/14/18 09:15AM 10:40AM MW HUM 111
The above section is a web-enhanced class. Internet access is required.
Instructor: G Loffler

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.
37781  Last day to add: 09/07/18
WEL 08/27/18 12/14/18 04:15PM 05:40PM MW HUM 111
The above section is a web-enhanced class. Internet access is required.
Instructor: G Loffler

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.
37024  Last day to add: 09/07/18
OL 08/27/18 12/14/18 ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: A Gray
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.
37029  Last day to add: 09/07/18
OL  08/27/18  12/14/18  ON LINE

The above section is an online class. Computer with Internet access required.
Instructor: A Gray

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.
37026  Last day to add: 09/07/18
WE  08/27/18  12/14/18  09:40AM  11:05AM  TTH  HUM 111

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

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.
37025  Last day to add: 09/07/18
WE  08/27/18  12/14/18  11:00AM  12:25PM  MW  HUM 111

The above section is a web-enhanced class. Internet access is required.
Instructor: C Buchanan

ANT-2H  Honors Cultural Anthropology  3 UNITS
Prerequisite: None. Limitation on enrollment: Enrollment in the Honors Program
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. 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 ANT-2 and ANT-2H. 54 hours lecture.
37783  Last day to add: 09/07/18
WE  08/27/18  12/14/18  09:40AM  11:05AM  TTH  IT 208

The above section is a web-enhanced class. Internet access is required.
Instructor: C Buchanan

ANT-5  Cultures of Ancient Mexico  3 UNITS
Prerequisite: None
Description: An examination of the basic concepts, methods, and findings of cultures. Archaeological methods of recovery and interpretation, and the analysis of archaeological 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.
37784  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  W  HUM 111

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.
37032  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:30PM  03:55PM  MW  HUM 111

The above section is a web-enhanced class. Internet access is required.
Instructor: C Buchanan
ANT-7  Anthropology of Religion  3 UNITS
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.
37033  Last day to add: 09/07/18
WE 08/27/18 12/14/18 12:45PM 02:10PM MW HUM 111
The above section is a web-enhanced class. Internet access is required.
Instructor: A Gray

ANT-8  Language and Culture  3 UNITS
Description: An introduction to the anthropological study of language in world cultures. Characteristics of human verbal and non-verbal communication, language diversity and change, and the relationship of language to culture and social groups. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
37034  Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:15AM 12:40PM TTH HUM 111
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.)
37035  Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 07:25PM TTH IT 127
WEL 08/27/18 12/14/18 07:35PM 09:40PM T IT 127
WEL2 08/27/18 12/14/18 06:00PM 09:10PM TH IT 127
The above section is a web-enhanced class. Internet access is required.
Instructor: C Bohigian

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.)
37846  Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:30PM 09:40PM W IT 106
The above section is a web-enhanced class. Internet access is required.
Instructor: P Rezai

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.)
37790  Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 09:10PM W WEQ W7
The above section is a web-enhanced class. Internet access is required.
Instructor: C Goux

ART-2  History of Western Art: Renaissance 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.)
37039  Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 09:10PM M WEQ W7
The above section is a web-enhanced class. Internet access is required.
Instructor: C Goux

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.)
37050  Last day to add: 09/04/18
OL 08/27/18 10/21/18 09:00PM 10:00PM ON LINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: K Skiba

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.)
37051  Last day to add: 10/30/18
OL 10/22/18 12/14/18 09:00PM 10:00PM ON LINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: K Skiba
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.)
37052  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:30PM  03:55PM  MW  WEQ W7
The above section is a web-enhanced class. Internet access is required.
Instructor: B May

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.)
37063  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  T  HUM 102
The above section is a web-enhanced class. Internet access is required.
Instructor: J Bell

ART-6H  Honors Art Appreciation  3 UNITS
Prerequisite: None.
Advisory: ENG-1A Limitation on enrollment: Enrollment in the Honors Program
Description: An introductory course designed for the non-art major. The creative process and the diversity of styles, technique and media evident in various art forms throughout history and culture. 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 ART-6 and ART-6H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
37789  Last day to add: 09/07/18
WE  08/27/18  12/14/18  04:15PM  05:40PM  MW  IT 208
The above section is a web-enhanced class. Internet access is required.
Instructor: D Martin

ART-12  Asian Art History  3 UNITS
Prerequisite: None
Description: A survey of the history of Asian art (China, Japan, Korea, and India) from prehistoric times to the present, including the religious and philosophical influence on the development of the art forms of architecture, sculpture, ceramics, painting, and the minor arts. 54 hours lecture.(Letter Grade, or Pass/No Pass option.)
37788  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:00PM  03:25PM  TTH  WEQ W68
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

ART-13  Pre-Columbian Art History  3 UNITS
Prerequisite: None
Advisory: Qualification for ENG-1A
Description: A survey of the visual arts of ancient Mesoamerica and the Andes from 2000 BC-AD 1521 including the Maya, the Aztecs, and the Inca. 54 hours lecture. (Letter grade, or Pass/No Pass option.)
37787  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  T  STEM 201
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.)
37038  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:00AM  10:30AM  F  ATEC 209
WE2  08/27/18  12/14/18  09:35AM  10:25AM  T  ATEC 209
WE3  08/27/18  12/14/18  10:35AM  10:45AM  TH  ATEC 209
WE4  08/27/18  12/14/18  11:00AM  12:50PM  T  ATEC 209
WE2  08/27/18  12/14/18  12:35PM  02:25PM  M  ATEC 209
WE4  08/27/18  12/14/18  12:35PM  02:25PM  W  ATEC 209
The above section is a web-enhanced class. Internet access is required.
Instructor: C Glaze

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.)
37037  Last day to add: 09/07/18
WE  08/27/18  12/14/18  09:35AM  10:25AM  T  ATEC 209
WE2  08/27/18  12/14/18  09:35AM  10:40AM  TH  ATEC 209
WE3  08/27/18  12/14/18  10:35AM  12:50PM  T  ATEC 209
WE4  08/27/18  12/14/18  12:35PM  12:50PM  TH  ATEC 209
The above section is a web-enhanced class. Internet access is required.
Instructor: Q Bemiller

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.)
37036  Last day to add: 09/07/18
WE  08/27/18  12/14/18  11:10AM  12:00PM  M  ATEC 209
WE2  08/27/18  12/14/18  11:10AM  12:15PM  W  ATEC 209
WE3  08/27/18  12/14/18  12:10PM  02:25PM  M  ATEC 209
WE4  08/27/18  12/14/18  12:35PM  02:25PM  W  ATEC 209
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)

Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  06:50PM  M  ATEC 209
WE2  08/27/18  12/14/18  06:00PM  07:05PM  W  ATEC 209
WEL  08/27/18  12/14/18  07:00PM  09:15PM  M  ATEC 209
WEL2  08/27/18  12/14/18  07:25PM  09:15PM  W  ATEC 209

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.)

Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:35PM  03:25PM  M  ATEC 209
WE2  08/27/18  12/14/18  02:35PM  03:40PM  W  ATEC 209
WEL  08/27/18  12/14/18  03:35PM  05:50PM  M  ATEC 209
WEL2  08/27/18  12/14/18  04:00PM  05:50PM  W  ATEC 209

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)

Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  06:50PM  T  ATEC 209
WE2  08/27/18  12/14/18  06:00PM  07:05PM  TH  ATEC 209
WEL  08/27/18  12/14/18  07:00PM  09:15PM  T  ATEC 209
WEL2  08/27/18  12/14/18  07:25PM  09:15PM  TH  ATEC 209

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.)

Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:00PM  02:50PM  T  ATEC 209
WE2  08/27/18  12/14/18  02:00PM  03:05PM  TH  ATEC 209
WEL  08/27/18  12/14/18  03:00PM  05:15PM  T  ATEC 209
WEL2  08/27/18  12/14/18  03:25PM  05:15PM  TH  ATEC 209

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.)

Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:00PM  02:50PM  T  ATEC 209
WE2  08/27/18  12/14/18  02:00PM  03:05PM  TH  ATEC 209
WEL  08/27/18  12/14/18  03:00PM  05:15PM  T  ATEC 209
WEL2  08/27/18  12/14/18  03:25PM  05:15PM  TH  ATEC 209

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 lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

Last day to add: 09/07/18
WE  08/27/18  12/14/18  07:45AM  08:35AM  M  ATEC 109
WE2  08/27/18  12/14/18  07:45AM  08:50AM  W  ATEC 109
WEL  08/27/18  12/14/18  08:45AM  11:00AM  M  ATEC 109
WEL2  08/27/18  12/14/18  09:00AM  10:50AM  W  ATEC 109

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).
37047  Last day to add: 09/07/18
WE  08/27/18  12/14/18  07:45AM  08:35AM  M  ATEC 209
WE2  08/27/18  12/14/18  07:45AM  08:50AM  W  ATEC 209
WEL  08/27/18  12/14/18  08:45AM  11:00AM  M  ATEC 209
WEL2  08/27/18  12/14/18  09:10AM  11:00AM  W  ATEC 209
The above section is a web-enhanced class. Internet access is required.
Instructor: Q Bemiller

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).
37785  Last day to add: 09/07/18
WE  08/27/18  12/14/18  07:45AM  08:35AM  M  ATEC 209
WE2  08/27/18  12/14/18  07:45AM  08:50AM  W  ATEC 209
WEL  08/27/18  12/14/18  08:45AM  11:00AM  M  ATEC 209
WEL2  08/27/18  12/14/18  09:10AM  11:00AM  W  ATEC 209
The above section is a web-enhanced class. Internet access is required.
Instructor: Q Bemiller

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)
37058  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:00AM  09:25AM  TH  IT 101
WEL  08/27/18  12/14/18  09:40AM  12:50PM  T  IT 128
The above section is a web-enhanced class. Internet access is required.
Instructor: M Gutierrez

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: 09/07/18
WE  08/27/18  12/14/18  11:15AM  12:40PM  T  THTR 101
WEL  08/27/18  12/14/18  02:00PM  05:10PM  T  IT 128
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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)
37059  Last day to add: 09/07/18
WE  08/27/18  12/14/18  11:15AM  12:40PM  T  THTR 101
WEL  08/27/18  12/14/18  02:00PM  05:10PM  T  IT 128
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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)
37063  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:00AM  09:25AM  T  IT 101
WEL  08/27/18  12/14/18  09:40AM  12:50PM  T  IT 128
The above section is a web-enhanced class. Internet access is required.
Instructor: F Almasarweh
### 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)

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**Instructor:** F Almasarweh

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**Instructor:** T Friedrich Finnerm

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**Instructor:** C Wilson

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

### BIO-9 Principles of Ecology 4 UNITS
**Prerequisite:** None.
Description: Ecology is the study of the interactions between organisms and their environment. Basic principles include evolution and natural selection, climate and other abiotic factors, population growth and genetics, community interactions, species diversity, biogeography, and biome recognition. Human impacts on the above will also be discussed. This course requires field trips. 54 hours lecture and 54 hours laboratory.

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**Instructor:** T Friedrich Finnerm

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

### BIO-8 Principles of Ecology 4 UNITS
**Prerequisite:** None.
Description: Ecology is the study of the interactions between organisms and their environment. Basic principles include evolution and natural selection, climate and other abiotic factors, population growth and genetics, community interactions, species diversity, biogeography, and biome recognition. Human impacts on the above will also be discussed. This course requires field trips. 54 hours lecture and 54 hours laboratory.

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

### BIO-19 Environmental Science (formerly Bio-36) 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.

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

### 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.

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The above section is a web-enhanced class. Internet access is required.
**Instructor:** J Julius
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.
37793 Last day to add: 09/07/18
WE 08/27/18 12/14/18 04:15PM 05:40PM MW STEM 201
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.
3794 Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:30AM 12:20PM T IT 101
WE 08/27/18 12/14/18 11:30AM 12:35PM TH IT 101
WEL 08/27/18 12/14/18 09:15AM 12:25PM MW ST 207
The above section is a web-enhanced class. Internet access is required.
Instructor: I McGuire

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.
3795 Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:30AM 12:20PM T IT 101
WE 08/27/18 12/14/18 11:30AM 12:35PM TH IT 101
WEL 08/27/18 12/14/18 08:00AM 11:10AM TTH ST 207
The above section is a web-enhanced class. Internet access is required.
Instructor: I McGuire

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.
37915 Last day to add: 09/07/18
WE 08/27/18 12/14/18 01:30PM 02:20PM M ST 207
WE2 08/27/18 12/14/18 02:45PM 05:55PM MW ST 207
WEL 08/27/18 12/14/18 01:30PM 02:35PM W ST 207
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.
37810 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 04:15PM 05:05PM M ATEC 114
LEC2 08/27/18 12/14/18 04:15PM 05:20PM W ATEC 114
LAB 08/27/18 12/14/18 12:45PM 03:55PM MW ST 211
Instructor: C Stermburg

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.
37811 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 04:15PM 05:05PM M ATEC 114
LEC2 08/27/18 12/14/18 04:15PM 05:20PM W ATEC 114
LAB 08/27/18 12/14/18 06:00PM 09:10PM MW ST 211
Instructor: C Stermburg
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.

37813  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  02:00PM  03:05PM  T  ST 211
LEC2  08/27/18  12/14/18  02:00PM  02:50PM  TH  ST 211
LAB  08/27/18  12/14/18  09:30AM  12:40PM  TTH  ST 211
Instructor: C Sterburg

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

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.

37796  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  07:25PM  MW  IT 117
WEL  08/27/18  12/14/18  07:35PM  09:00PM  MW  ST 203
The above section is a web-enhanced class. Internet access is required.
Instructor: B Moore

BIO-55  Microbiology (formerly Mic-1)  4 UNITS
Instructor: M Gutierrez

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.

37808  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  07:25PM  MW  IT 117
WEL  08/27/18  12/14/18  04:15PM  05:40PM  MW  ST 203
The above section is a web-enhanced class. Internet access is required.
Instructor: B Moore
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.)

37087  Last day to add: 09/04/18
WE 08/27/18 12/14/18 08:00AM 02:30PM HYB
WE 08/27/18 12/14/18 10:15AM 01:25PM HYBLO
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)

37077  Last day to add: 10/30/18
OL 10/22/18 12/14/18 ON LINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: G Zwart

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)

37066  Last day to add: 09/07/18
WE 08/27/18 12/14/18 08:45AM 10:00AM HYBLO
The above section is a web-enhanced class. Internet access is required.
Instructor: A Martin

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)

37069  Last day to add: 09/07/18
WE 08/27/18 12/14/18 12:45PM 02:10PM WE
The above section is a web-enhanced class. Internet access is required.
Instructor: M Snow

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)

37957  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 02:45PM 04:10PM WEL
The above section is restricted to La Sierra High School students only.
Instructor: L White
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)
37072  Last day to add: 10/26/18
HYB  10/22/18  12/14/18  06:00PM  09:10PM  M
HYBO  10/22/18  12/14/18  ON LINE
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: D Dokter

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.
37073  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:30PM  08:35PM  T  IT 111
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
Instructor: E Davalos

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.
37074  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:30PM  08:35PM  TH  JFK 118
The above section is a web-enhanced class. Internet access is required.
Instructor: L White

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.
37075  Last day to add: 09/04/18
OL  08/27/18  10/21/18  ON LINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: 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.
37080  Last day to add: 10/27/18
OL  10/23/18  12/11/18  ON LINE
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: T Wagner

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.
37078  Last day to add: 10/30/18
OL  10/22/18  12/14/18  ON LINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: T Wagner

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.
37076  Last day to add: 09/01/18
OL  08/27/18  10/16/18  ON LINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: 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.
37082  Last day to add: 09/04/18
OL  08/27/18  10/21/18  ON LINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: P Worsham

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.
37083  Last day to add: 10/30/18
OL  10/22/18  12/14/18  ON LINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: P Worsham

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.
37084  Last day to add: 09/07/18
OL  08/27/18  12/14/18  IT 106
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: V Mixson

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.
37956  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  03:00PM 04:25PM  MW  ERHS B106
The above section is restricted to Eleanor Roosevelt High School students only.
Instructor: J Holmes

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.
37086  Last day to add: 09/07/18
WE  08/27/18  12/14/18  11:15AM 12:40PM  TTH  IT 127
The above section is a web-enhanced class. Internet access is required.
Instructor: E Doucette
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.  
37088  Last day to add: 09/07/18  
OL  08/27/18  12/14/18  
The above section is an online class. Computer with Internet access required.  
Instructor: A Martin

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)  
37090  Last day to add: 10/30/18  
OL  10/22/18  12/14/18  
The above section is a short term online class. Computer with Internet access required.  
Instructor: E Doucette

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.  
37091  Last day to add: 09/07/18  
HYB  08/27/18  12/14/18  06:00PM  07:25PM  T  IT 109  
HYBO  08/27/18  12/14/18  
The above section is a hybrid class. Computer with Internet access required.  
Instructor: R Beck

BUS-82  Freight Claims  1.50 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.)  
37093  Last day to add: 10/30/18  
OL  10/22/18  12/14/18  
The above section is a short term online class. Computer with Internet access required.  
Instructor: C Pentis

BUS-83  Contracts  1.50 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.)  
37094  Last day to add: 09/04/18  
OL  08/27/18  10/21/18  
The above section is a short term online class. Computer with Internet access required.  
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.)  
37791  Last day to add: 09/04/18  
OL  08/27/18  10/21/18  
The above section is a short term online class. Computer with Internet access required.  
Instructor: C Pentis

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WE - Web Enhanced Lecture • WEL - Web Enhanced Lab • WRE - Work Experience Lecture • WREK - Hybrid Work Experience • WREKO - Work Experience Online

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**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 need 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.)  
37095  Last day to add: 09/04/18  
OL 08/27/18  10/21/18  ON LINE  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
**Instructor:** R Beck

**BUS-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.)  
37096  Last day to add: 10/30/18  
OL 10/22/18  12/14/18  ON LINE  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
**Instructor:** R Beck

**COMPUTER APPLICATIONS/OFFICE**

**CAT-3  Computer Applications for Business** 3 UNITS  
**Prerequisite:** None  
Description: This course introduces a suite of computer applications to students preparing to enter business, and office professions. Individuals who are already established in these professions may also benefit from skills emphasized which include: use of basic operating system functions, file management, word processing, spreadsheets, database management, and presentation graphics. 54 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)  
37097  Last day to add: 09/04/18  
HYB 08/27/18  10/21/18  08:00AM  02:30PM  F  ATEC 118  
HYBO 08/27/18  10/21/18  ON LINE  
HYBLO 08/27/18  10/21/18  ON LINE  
The above section is a short term hybrid class. Computer with Internet access required.  
See www.opencampus.com. Designated laboratory hours are to be completed online. Please note the start and end dates.  
**Instructor:** C McConnell-Freeman

**CAT-80  Word Processing: Microsoft Word for Windows 3 UNITS**  
**Prerequisite:** None  
Advisory: Typing knowledge/skills with at least 40 wpm  
Description: This course provides introductory, intermediate, and advanced skill levels necessary to produce a variety of professional documents using Microsoft Word word processing program. Students will develop skills in word processing techniques and tasks. 54 hours lecture and 18 hours laboratory.  
(TBA Option)  
37098  Last day to add: 10/30/18  
HYB 10/22/18  12/14/18  08:30AM  03:00PM  F  ATEC 118  
HYBO 10/22/18  12/14/18  ON LINE  
HYBLO 10/22/18  12/14/18  ON LINE  
The above section is a short term hybrid class. Computer with Internet access required.  
See www.opencampus.com. Designated laboratory hours are to be completed online. Please note the start and end dates.  
**Instructor:** C McConnell-Freeman

**CAT-80  Word Processing: Microsoft Word for Windows 3 UNITS**  
**Prerequisite:** None  
Advisory: Typing knowledge/skills with at least 40 wpm  
Description: This course provides introductory, intermediate, and advanced skill levels necessary to produce a variety of professional documents using Microsoft Word word processing program. Students will develop skills in word processing techniques and tasks. 54 hours lecture and 18 hours laboratory.  
(TBA Option)  
37880  Last day to add: 09/07/18  
HYB 08/27/18  12/14/18  11:00AM  12:25PM  TH  STEM 125  
HYBO 08/27/18  12/14/18  ON LINE  
HYBLO 08/27/18  12/14/18  ON LINE  
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:** D Friedman

**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 editing online. Computer with Internet access required.  
(TBA option)(Letter Grade, or Pass/No Pass option.)  
37099  Last day to add: 09/07/18  
WE 08/27/18  12/14/18  09:00AM  12:35PM  F  CACT 2  
WEL 08/27/18  12/14/18  12:45PM  01:50PM  F  CACT 2  
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 Reoturar

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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.)
Instructor: B Fuller

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.)
Instructor: J Tyler

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

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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.)
37111  Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:00AM 12:25PM MW IT 117
WEL 08/27/18 12/14/18 09:15AM 12:25PM F HUM 204
The above section is a web-enhanced class. Internet access is required.
Instructor: V Lee

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.)
37112  Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:00AM 12:25PM MW IT 117
WEL 08/27/18 12/14/18 01:30PM 04:40PM F HUM 204
The above section is a web-enhanced class. Internet access is required.
Instructor: A Duggal

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.)
37108  Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:15AM 12:40PM TTH ATEC 114
WEL 08/27/18 12/14/18 02:00PM 05:10PM TH HUM 204
The above section is a web-enhanced class. Internet access is required.
Instructor: A Duggal

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.)
37109  Last day to add: 09/07/18
WE 08/27/18 12/14/18 04:15PM 05:40PM TTH ATEC 114
WEL 08/27/18 12/14/18 09:15AM 12:25PM W HUM 204
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.)
37115  Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:15AM 12:40PM TTH ATEC 114
WEL 08/27/18 12/14/18 02:00PM 05:10PM T HUM 204
The above section is a web-enhanced class. Internet access is required.
Instructor: A Duggal

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.)
37113  Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:30PM 03:55PM TH HUM 204
WEL 08/27/18 12/14/18 09:15AM 12:25PM T HUM 204
The above section is a web-enhanced class. Internet access is required.
Instructor: S Tyler

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.)
37114  Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:30PM 03:55PM TH HUM 204
WEL 08/27/18 12/14/18 09:15AM 12:25PM W HUM 204
The above section is a web-enhanced class. Internet access is required.
Instructor: S Tyler

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WE - Web Enhanced Lecture • WEL - Web Enhanced Lab • WRK - Work Experience Lecture • WRKH - Hybrid Work Experience • WRKO - Work Experience Online
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## 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.)

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

Instructor: P. Kimbrough

## 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.)

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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.)

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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.)

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

Instructor: S. Tyler

## 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.

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

Instructor: C. Brotherton

### 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.

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

Instructor: C. Brotherton

### 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.

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

Instructor: C. Brotherton
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.
Last day to add: 09/07/18
OL  08/27/18  12/14/18  ON LINE
OLL  08/27/18  12/14/18  ON LINE
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: B Fuller

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.
Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:00AM  09:25AM  MW  ATEC 118
WEL  08/27/18  12/14/18  09:35AM  10:25AM  W  ATEC 118
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

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.
Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:00AM  09:25AM  MW  ATEC 118
WEL  08/27/18  12/14/18  09:35AM  10:25AM  W  ATEC 118
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: B Fuller

CIS-2  Fundamentals of Systems Analysis  3 UNITS
Prerequisite: None.
Description: The course presents a systematic methodology for analyzing a business problem or opportunity, determining what role, if any, computer-based technologies can play in addressing the business need, articulating business requirements for the technology solution, specifying alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specifying the requirements for the information systems solution in particular, in-house development, development from third-party providers, or purchased commercial-off-the-shelf packages. 54 hours lecture and 18 hours laboratory,(TBA option) (Letter Grade, or Pass/No Pass option.)
Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  M  ATEC 118
HYB  08/27/18  12/14/18  09:10PM  W  STEM 115
HYBLO  08/27/18  12/14/18  10:00PM  W  STEM 115
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: W Ibeke
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)

37130  HYB 08/27/18 10/21/18  08:00AM 02:30PM  F  ATEC 118
HYBO 08/27/18 10/21/18  ON LINE
HYBLO 08/27/18 10/21/18  ON LINE

The above section is a short term hybrid class. Computer with Internet access required.
See www.opencampus.com. Designated laboratory hours are to be completed online. Please note the start and end dates.
Instructor: J Perry

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.

37131  HYBO 08/27/18 12/14/18  09:35AM 12:45PM  M  STEM 115

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

CIS-5  Programming Concepts and Methodology I: C++  4 UNITS
Prerequisite: None
Advisory: CIS-1A
Description: Introductory to intermediate concepts covering 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.

37133  OL 08/27/18 12/14/18  ON LINE
OLL 08/27/18 12/14/18  ON LINE

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

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.

37134  OL 08/27/18 12/14/18  ON LINE
OLL 08/27/18 12/14/18  ON LINE

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

CIS-5  Programming Concepts and Methodology I: C++  4 UNITS
Prerequisite: None
Advisory: CIS-1A
Description: Introductory to intermediate concepts covering 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.

37872  WE 08/27/18 12/14/18  06:00PM 09:00PM  T  STEM 115
WEL 08/27/18 12/14/18  06:00PM 09:00PM  TH  STEM 115

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).
Last day to add: 09/07/18
WE  08/27/18  12/14/18  05:50PM  09:00PM  W  ATEC 118
WEL  08/27/18  12/14/18  09:05PM  09:55PM  W  ATEC 118
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 Wilson

CIS-12  PHP Dynamic Web Site Programming  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.)
Last day to add: 09/07/18
WE  08/27/18  12/14/18  11:00AM  12:25PM  MW  STEM 125
WEL  08/27/18  12/14/18  12:35PM  01:25PM  W  STEM 125
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
Instructor: Staff

CIS-17A  Programming Concepts and Methodology II: C++  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)
Last day to add: 09/07/18
WE  08/27/18  12/14/18  10:35AM  12:30PM  M  ATEC 118
WE  08/27/18  12/14/18  10:35AM  11:25AM  W  ATEC 118
WEL  08/27/18  12/14/18  11:30AM  12:20PM  W  ATEC 118
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.)
Last day to add: 09/07/18
HYB  08/27/18  12/14/18  06:00PM  09:10PM  M  STEM 115
HYBO  08/27/18  12/14/18  ON LINE
HYBLO  08/27/18  12/14/18  ON LINE
The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.
Instructor: J 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.)
Last day to add: 09/07/18
WE  08/27/18  12/14/18  05:30PM  08:40PM  TH  ATEC 118
WEL  08/27/18  12/14/18  08:50PM  09:40PM  TH  ATEC 118
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.)
Last day to add: 09/07/18
WE  08/27/18  12/14/18  05:30PM  08:40PM  T  ATEC 118
WEL  08/27/18  12/14/18  08:50PM  09:40PM  T  ATEC 118
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-21 Introduction to Operating Systems 3 UNITS
Prerequisite: CIS-1A
Description: An introduction to operating system concepts, structure, functions, performance, and management is covered. A current operating system, such as Windows, Linux, or UNIX is used as a case study. File multi-processing, system security, device management, network operating systems, and utilities are introduced. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)
37129 Last day to add: 09/07/18
OL 08/27/18 12/14/18 ON LINE
OLL 08/27/18 12/14/18 ON LINE
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: W Ibeke

CIS-59 Typography and Graphic Design 3 UNITS
Prerequisite: None
Description: This course is a study of the fundamentals of typography including type anatomy, design, hierarchy, and aesthetic expression. Emphasis is placed on the process of design development from roughs to comprehensives, layout, and the use of type for effective communication. Industry standard software is used in the development of typographic and graphic design solutions appropriate for print, web and other media. 36 hours lecture and 72 hours laboratory.
37873 Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 06:50PM MW IT 127
WEL 08/27/18 12/14/18 07:00PM 09:05PM MW IT 127
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-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.
37135 Last day to add: 09/07/18
WE 09/01/18 12/08/18 08:30AM 12:05PM $ ATEC 118
WEL 09/01/18 12/08/18 12:15PM 01:20PM $ ATEC 118
The above section is a short term web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class. Please note the start and end dates.
Instructor: W Manges

CIS-78A Intro Adobe Photoshop 3 UNITS
Prerequisite: None
Description: Introduction to Adobe Photoshop including selections, layers, masks, channels and vector art for manipulating images. (Same as CAT-78A)
37137 Last day to add: 09/07/18
HYB 08/27/18 12/14/18 08:00AM 09:25AM TTH ATEC 118
HYBO 08/27/18 12/14/18 ON LINE
HYBLO 08/27/18 12/14/18 ON LINE
The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.
Instructor: C Brotherton

CIS-80 Word Processing: Microsoft Word for Windows 3 UNITS
Prerequisite: None
Advisory: Typing knowledge/skills with at least 40 wpm
Description: This course is designed to provide introductory, intermediate, and advanced skill levels necessary to produce a variety of professional documents using Microsoft Word word processing program. Students will develop skills in word processing techniques and tasks. 54 hours lecture and 18 hours laboratory.
37139 Last day to add: 10/30/18
HYB 10/22/18 12/14/18 08:30AM 03:00PM F STEM 115
HYBO 10/22/18 12/14/18 ON LINE
HYBLO 10/22/18 12/14/18 ON LINE
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Designated laboratory hours are to be completed online. Please note the start and end dates.
Instructor: C McConnell-Freeman

CIS-81 Intro Adobe InDesign 3 UNITS
Prerequisite: None
Description: Page design and layout techniques using Adobe InDesign. (Same as CAT-81)
37879 Last day to add: 09/07/18
HYB 08/27/18 12/14/18 09:35AM 11:00AM TH ATEC 118
HYBO 08/27/18 12/14/18 ON LINE
HYBLO 08/27/18 12/14/18 ON LINE
The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.
Instructor: C Brotherton

CIS-81 Intro Adobe InDesign 3 UNITS
Prerequisite: None
Description: Page design and layout techniques using Adobe InDesign. (Same as CAT-81)
37940 Last day to add: 09/07/18
WE 08/27/18 12/14/18 03:00PM 04:25PM MW
WEL 08/27/18 12/14/18 04:25PM 05:15PM W
Instructor: Staff

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-hour laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)
37140 Last day to add: 09/07/18
WE 08/27/18 12/14/18 09:00AM 12:35PM F CACT 2
WEL 08/27/18 12/14/18 12:45PM 01:50PM F CACT 2
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 Retutaur
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.)
37958 Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:20PM 03:45PM MW
WEL 08/27/18 12/14/18 03:45PM 04:35PM MW
Instructor: Staff

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.)
37958 Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:20PM 03:45PM TTH
WEL 08/27/18 12/14/18 03:45PM 04:35PM TH
Instructor: Staff

CIS-98A Introduction to Excel 1.50 UNITS
Prerequisite: None.
Description: An introduction to electronic spreadsheets using Excel. (Same as CAT-98A)
37141 Last day to add: 09/04/18
OL 08/27/18 10/21/18 ON LINE
OLL 08/27/18 10/21/18 ON LINE
The above section is a short term online class. Computer with Internet access required.
See www.opencampus.com. All hours, including the 18-hour laboratory requirement, will be completed online. Please note the start and end dates.
Instructor: B Fuller

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.)
37152 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 09:15AM 10:40AM MW IT 210
Instructor: M Lewis

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.)
37154 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 11:00AM 12:25PM MW IT 210
Instructor: M Lewis
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.)
37143 Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:15AM 12:40PM TTH ATEC 210
The above section is a web-enhanced class. Internet access is required.
Instructor: L Tat

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.)
37144 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 11:15AM 12:40PM TTH IT 210
Instructor: A Olaerts

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.)
37147 Last day to add: 09/07/18
WE 08/27/18 12/14/18 12:45PM 02:10PM MW IT 211
The above section is a web-enhanced class. Internet access is required.
Instructor: D Romo

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.)
37150 Last day to add: 09/07/18
WE 08/27/18 12/14/18 04:15PM 05:40PM MW IT 210
The above section is a web-enhanced class. Internet access is required.
Instructor: K Dhaliwal

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.)
37142 Last day to add: 09/07/18
WE 08/27/18 12/14/18 04:15PM 05:40PM TTH IT 211
The above section is a web-enhanced class. Internet access is required.
Instructor: K Dhaliwal
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.)
37154  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  TH  IT 210
The above section is a web-enhanced class. Internet access is required.
Instructor: J. Dhaliwal

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.)
37151  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:30PM  09:40PM  T  IT 210
The above section is a web-enhanced class. Internet access is required.
Instructor: M. Lewis

COM-3  Argumentation and Debate  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
Description: Covers theoretical underpinnings of argumentation and debate including a systematic approach to the process of debate, theories of argumentation as related to topic analysis, research, case construction, rebuttals, cross-examination, utilization of sound reasoning, and the importance of ethical behavior in debate. Focus is on effective delivery of verbal and nonverbal communication as well as effective listening. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
37161  Last day to add: 09/07/18
WE  08/27/18  12/14/18  09:15AM  10:40AM  MW  WEQ W6B
The above section is a web-enhanced class. Internet access is required.
Instructor: D. Romo

COM-3  Argumentation and Debate  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
Description: Covers theoretical underpinnings of argumentation and debate including a systematic approach to the process of debate, theories of argumentation as related to topic analysis, research, case construction, rebuttals, cross-examination, utilization of sound reasoning, and the importance of ethical behavior in debate. Focus is on effective delivery of verbal and nonverbal communication as well as effective listening. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
37160  Last day to add: 09/07/18
WE  08/27/18  12/14/18  11:00AM  12:25PM  MW  WEQ W6B
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
Advisory: COM-51 and qualification for ENG-1A
Description: Provides an introduction to the dynamics of communication in purposeful small groups (i.e. problem-solving). Theoretical knowledge of small group communication becomes the basis for the practical application of group development, problem-solving, decision-making, discussion, interaction and presentation. Develops student competence and confidence as a group member and leader. 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.)
37162  Last day to add: 09/07/18
WE  08/27/18  12/14/18  04:15PM  05:40PM  MW  IT 211
The above section is a web-enhanced class. Internet access is required.
Instructor: K. Stinson
COM-9  Interpersonal Communication  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
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.)

37168  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:00AM  09:25AM  TTH  IT 210
The above section is a web-enhanced class. Internet access is required.
Instructor: L Tat

COM-9  Interpersonal Communication  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
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.)

37165  Last day to add: 09/12/18
WE  09/01/18  12/08/18  08:00AM  11:10AM  S  IT 210
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: B Rihan

COM-9  Interpersonal Communication  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
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.)

37167  Last day to add: 09/07/18
WE  08/27/18  12/14/18  09:40AM  11:05AM  TTH  WEO W5
The above section is a web-enhanced class. Internet access is required.
Instructor: L Tat

COM-9  Interpersonal Communication  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
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.)

37163  Last day to add: 09/07/18
WE  08/27/18  12/14/18  12:45PM  02:10PM  MW  IT 210
The above section is a web-enhanced class. Internet access is required.
Instructor: R Stinson

COM-9  Interpersonal Communication  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
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.)

37164  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:30PM  03:55PM  MW  IT 210
The above section is a web-enhanced class. Internet access is required.
Instructor: R Stinson

COM-9  Interpersonal Communication  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
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.)

37171  Last day to add: 09/07/18
HYB  08/27/18  12/14/18  03:15PM  05:05PM  F  IT 210
HYBO  08/27/18  12/14/18  03:15PM  05:05PM  ON LINE
The above section is a hybrid class. Internet access is required.
Instructor: B Rihan

COM-9  Interpersonal Communication  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
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.)

37169  Last day to add: 09/07/18
WE  08/27/18  12/14/18  04:15PM  05:40PM  TTH  LIBR 110
The above section is a web-enhanced class. Internet access is required.
Instructor: N Aceves

COM-9  Interpersonal Communication  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
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.)

37990  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:00PM  W  IT 210
The above section is a web-enhanced class. Internet access is required.
Instructor: B Rihan
COM-9 Interpersonal Communication 3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
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.)

HYB 08/27/18 12/14/18 06:30PM 07:55PM T LIBR 110
HYBO 08/27/18 12/14/18 ON LINE
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com.
Instructor: J Muto

COM-9H Honors Interpersonal Communication 3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A Limitation on enrollment: Enrollment in the Honors Program
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. This Honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and greater application of higher level critical thinking skills. Students may not receive credit for both COM-9 and COM-9H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

HYB 08/27/18 12/14/18 06:30PM 07:55PM TH LIBR 110
HYBO 08/27/18 12/14/18 ON LINE
The above section is a hybrid class. Computer with Internet access required. See 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.)

HYB 08/27/18 12/14/18 06:00PM 09:10PM M IT 210
Instructor: M Lewis

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.

LEO 08/27/18 12/14/18 06:30PM 09:40PM T IT 123
Instructor: P Link

CON-62 Blueprint Reading 3 UNITS
Prerequisite: None
Description: Overview of the basic concepts of reading construction blueprints.

LEO 08/27/18 12/14/18 06:00PM 09:10PM M IT 122
Instructor: R Skaggs
CON-63A  Uniform Bldg Code/Ordin
Prerequisite: None.
Description: Use of uniform building code in plan checking for compliance.
37175  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 09:10PM TH IT 123
Instructor: J Thomas

CON-63B  Analysis of Revisions to the Uniform Building Code
3 UNITS
Prerequisite: CON-63A
Description: An analysis which discusses the changes, amendments and the intent of the code. This analysis to provide to the building industry a concise understanding and purpose of facilitating the current code. In addition, the analysis of the revisions may be used as a plancheck and field inspection aid to ensure a better appraisal of the latest revisions. 54 hours lecture.
37176  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 09:10PM TH IT 123
Instructor: J Thomas

CON-63C  Analysis of Revisions to the Uniform Building Code
3 UNITS
Prerequisite: CON-63A
Description: An analysis which discusses the changes, amendments and the intent of the code. This analysis to provide to the building industry a concise understanding and purpose of facilitating the current code. In addition, the analysis of the revisions may be used as a plancheck and field inspection aid to ensure a better appraisal of the latest revisions. 54 hours lecture.
37177  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 09:10PM TH IT 123
Instructor: J Thomas

CON-63D  Analysis of Revisions to the Uniform Building Code
3 UNITS
Prerequisite: CON-63A
Description: An analysis which discusses the changes, amendments and the intent of the code. This analysis to provide to the building industry a concise understanding and purpose of facilitating the current code. In addition, the analysis of the revisions may be used as a plancheck and field inspection aid to ensure a better appraisal of the latest revisions. 54 hours lecture.
37178  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 09:10PM TH IT 123
Instructor: J Thomas

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.
37179  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 09:10PM TH IT 122
Instructor: T Kearns

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.
37180  Last day to add: 10/27/18
LEC 10/23/18 12/13/18 02:00PM 05:10PM TH ATC 119
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: M Dowlatabadi

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.
37181  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 09:10PM M IT 123
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.
37936  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:30PM 09:40PM W IT 123
Instructor: J Thomas

CON-70  Soil Tech Fundamentals
3 UNITS
Prerequisite: None
Description: Inspection and testing of soils, their classification and characteristics.
37183  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:30PM 09:40PM T IT 122
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.)
37185  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 10:30AM 02:35PM F ATC 114
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.

37890 Last day to add: 09/07/18
WE 08/27/18 12/14/18 08:30AM 09:55AM T ATEC 109
WEL 08/27/18 12/14/18 10:05AM 11:30AM T ATEC 109
WEL2 08/27/18 12/14/18 08:30AM 11:40AM TH ATEC 109

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

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.

37891 Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:35PM 04:00PM M ATEC 109
WEL 08/27/18 12/14/18 04:05PM 05:30PM M ATEC 109
WEL2 08/27/18 12/14/18 02:35PM 05:45PM W ATEC 109

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

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.)

37892 Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:00PM 03:25PM T ATEC 109
WEL 08/27/18 12/14/18 03:35PM 05:00PM T ATEC 109
WEL2 08/27/18 12/14/18 02:00PM 05:10PM TH ATEC 109

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

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.

37894 Last day to add: 09/02/18
WE 08/27/18 10/17/18 08:00AM 11:20AM MW IT 124

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

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.

37893 Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 09:10PM T ATEC 109

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

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.)

37895 Last day to add: 10/26/18
WE 10/22/18 12/12/18 08:00AM 09:30AM MW IT 124
WEL 10/22/18 12/12/18 09:35AM 11:05AM MW IT 124

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

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.

37897 Last day to add: 09/02/18
WE 08/27/18 10/17/18 12:00PM 03:20PM MW IT 124

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

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.

37896 Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 09:10PM TH ATEC 109

The above section is a web-enhanced class. Internet access is required.
Instructor: Staff
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.
37196 Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 09:10PM M IT 209
The above section is a web-enhanced class. Internet access is required.
Instructor: L Vazquez

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.
37186 Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 09:10PM M IT 209
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.
37194 Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 09:10PM M IT 209
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.
37192 Last day to add: 09/07/18
WE 08/27/18 12/14/18 09:30AM 12:40PM T IT 209
The above section is a web-enhanced class. Internet access is required.
Instructor: S Burnett

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.
37190 Last day to add: 09/07/18
WE 08/27/18 12/14/18 09:30AM 12:40PM T IT 209
The above section is a web-enhanced class. Internet access is required.
Instructor: S Burnett
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.
37829  Last day to add: 09/07/18
OL  08/27/18  12/14/18  ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: B Zentgraf

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.
37194  Last day to add: 09/07/18
WE  08/27/18  12/14/18  09:15AM  12:25PM  W  IT 209
The above section is a web-enhanced class. Internet access is required.
Instructor: S Burnett

EAR-40  Intro Children With Special Needs  3 UNITS
Prerequisite: None
Description: Introduces variations in development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process. This course will include required observations of programs for infants and children with special needs and their families. 54 hours lecture. (Letter Grade only.)
37196  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  TH  IT 209
The above section is a web-enhanced class. Internet access is required.
Instructor: M Adams

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)
37828  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  02:00PM  04:05PM  TH  IT 209
LAB  08/27/18  12/14/18  08:30AM  01:00PM  THH
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.norcocollege.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.
37197  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  W  IT 209
The above section is a web-enhanced class. Internet access is required.
Instructor: T Oliver
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.
LEC 08/27/18 12/14/18 11:00AM 12:25PM MW IT 109
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.
LEC 08/27/18 12/14/18 09:40AM 11:05AM TTH IT 109
Instructor: P Boelman

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.
LEC 08/27/18 12/14/18 08:00AM 09:25AM TTH IT 109
Instructor: C Rajakone

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.
LEC 08/27/18 12/14/18 06:30PM 08:00PM W IT 109
Instructor: P Boelman

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.
LEC 08/27/18 12/14/18 02:00PM 05:10PM T IT 209
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.
LEC 08/27/18 12/14/18 08:00AM 09:25AM TTH IT 109
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.
LEC 08/27/18 12/14/18 02:30PM 03:55PM MW IT 109
The above section is a web-enhanced class. Internet access is required.
Instructor: P Boelman

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.
LEC 08/27/18 12/14/18 08:00AM 09:25AM TTH IT 109
Instructor: P Boelman

ECONOMICS

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.
LEC 08/27/18 12/14/18 02:30PM 03:55PM MW IT 109
The above section is a web-enhanced class. Internet access is required.
Instructor: P Boelman
**ECO-8H  Honors Principles of Microeconomics  3 UNITS**
Prerequisite: MAT-52
Advisory: MAT-35 and qualification for ENG-1A Limitation on enrollment: Enrollment in the Honors program
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. 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 ECO-8 and ECO-8H. 54 hours lecture.
08/27/18
WE 08/27/18 12/14/18
11:15AM 12:40PM TTH IT 109
Last day to add: 09/07/18
Instructor: P. Boelman

**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.
08/27/18
WE 08/27/18 12/14/18
06:00PM 09:10PM T ATEC 109
Last day to add: 09/07/18
The above section is a web-enhanced class. Internet access is required.
Instructor: G. Balteria

**ELE-71  Residential Electrical Wiring**
(same As Elc-71) 4 UNITS
Prerequisite: None
Description: Introduces students to wiring methods commonly used in residential electrical wiring. Topics include wiring of electrical switches, receptacles, code requirements for kitchen, bathroom, GFI and AFI devices, raceways, and boxes. Laboratory allows students to wire and test sample wall and ceiling sections. 54 hours lecture and 54 hours laboratory.
09/01/18
WE 09/01/18 12/08/18
08:00AM 12:15PM S ATEC 119
WEL 09/01/18 12/08/18
01:00PM 02:35PM S ATEC 119
Last day to add: 09/12/18
Instructor: T. Childers

**ELE-27  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.
08/27/18
WE 08/27/18 12/14/18
08:30AM 12:30PM F ATEC 119
WEL 08/27/18 12/14/18
12:40PM 04:05PM F ATEC 119
Last day to add: 09/12/18
Instructor: C. Keissieh

**ELE-11  DC Electronics  4 UNITS**
Prerequisite: None
Description: Basic DC electrical theory, devices, circuits and applications including resistors, capacitors, coils and motors.
09/01/18
WE 10/23/18 12/13/18
09:00AM 01:05PM TTH IT 124
WEL 10/23/18 12/13/18
02:00PM 03:30PM TTH IT 124
Last day to add: 10/27/18
The above section is a short term web-enhanced class. Internet access is required. Please note the 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.
09/01/18
LEC 08/27/18 12/14/18 06:00PM 08:50PM T STEM 302
LEC 08/27/18 12/14/18 06:00PM 06:50PM TH STEM 302
LAB 08/27/18 12/14/18 07:00PM 08:25PM TH STEM 302
Last day to add: 09/07/18
Instructor: S. Cheng

**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.
09/01/18
WE 08/27/18 12/14/18 08:30AM 12:30PM F ATEC 119
WEL 08/27/18 12/14/18
12:40PM 04:05PM F ATEC 119
Last day to add: 09/12/18
Instructor: C. Keissieh
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)  
37234  Last day to add: 09/03/18  
WE  08/28/18  10/18/18  09:00AM  12:20PM  TTH  IT 124  
WEL  08/28/18  10/18/18  02:00PM  05:20PM  TTH  IT 124  
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.  
Instructor: G Graham

ELE-75  Solid State Devices Lighting Controls  
(same As Elc-75)  
3 UNITS  
Prerequisite: None.  
Description: Learn to integrate electronic devices into electrical systems.  
37855  Last day to add: 09/12/18  
WE  09/01/18  12/08/18  08:00AM  10:30AM  S  CACT 2  
WEL  09/01/18  12/08/18  10:40AM  02:45PM  S  CACT 2  
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.  
Instructor: Staff

ELE-77  Electrical Theory (same As Elc-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.)  
37235  Last day to add: 10/26/18  
WE  10/22/18  12/12/18  12:00PM  03:10PM  MW  ATEC 119  
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.  
Instructor: G Graham

ELE-400  Introduction to the Electrical Trades And Construction Safety (same As Elc-400)  
3.50 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.  
37214  Last day to add: 09/07/18  
LEC  08/27/18  12/14/18  03:00PM  04:10PM  MW  JACT 1  
LAB  08/27/18  12/14/18  04:20PM  05:45PM  MW  JACT 1  
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-400  Introduction to the Electrical Trades And Construction Safety (same As Elc-400) 3.50 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.
37213 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 07:10PM MW JACT 1
LAB 08/27/18 12/14/18 07:20PM 08:45PM MW JACT 1
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-400  Introduction to the Electrical Trades And Construction Safety (same As Elc-400) 3.50 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.
37215 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 07:10PM MW JACT 9
LAB 08/27/18 12/14/18 07:20PM 08:45PM MW JACT 9
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-402  Advanced DC Circuit Concepts, Introduction to 3-Phase AC Circuits, Test Equipment, and National Electric Code Applications (same As Elc-402) 3.50 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.
37217 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 03:00PM 04:10PM TTH JACT 3
LAB 08/27/18 12/14/18 04:20PM 05:45PM TTH JACT 3
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-402  Advanced DC Circuit Concepts, Introduction to 3-Phase AC Circuits, Test Equipment, and National Electric Code Applications (same As Elc-402) 3.50 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.
37928 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 03:00PM 04:10PM TTH JACT 4
LAB 08/27/18 12/14/18 04:20PM 05:45PM TTH JACT 4
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) 3.50 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.
37218 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 03:00PM 04:10PM TTH JACT 2
LAB 08/27/18 12/14/18 04:20PM 05:45PM TTH JACT 2
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

HYB - Hybrid Lecture • HYBL - Hybrid Lab • HYBLO - Hybrid Online Lab • HYBO - Hybrid Online Lecture • LAB - Lecture • OL - Online Lecture • OLL - Online Lab
WE - Web Enhanced Lecture • WEL - Web Enhanced Lab • WRK - Work Experience Lecture • WRKLN - Hybrid Work Experience • WRRK - Work Experience Online
Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! https://www.bkstr.com/norcocollagestore/
ELE-404  Digital Logic Circuits, Conductor Characteristics, Applications, and National Electric Code (NEC) (same As Elc-404)  3.50 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.
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 07:10PM TTH JACT 2
LAB 08/27/18 12/14/18 07:20PM 08:45PM TTH JACT 2
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-406  Grounding Systems, Advanced Blueprints and Specifications, Motor Design and Installation, and National Electric Code (same As Elc-406)  3.50 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.
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 03:00PM 04:10PM MW JACT 4
LAB 08/27/18 12/14/18 04:20PM 05:45PM MW JACT 4
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-406  Grounding Systems, Advanced Blueprints and Specifications, Motor Design and Installation, and National Electric Code (same As Elc-406)  3.50 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.
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 03:00PM 04:10PM MW JACT 5
LAB 08/27/18 12/14/18 04:20PM 05:45PM MW JACT 5
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-406  Grounding Systems, Advanced Blueprints and Specifications, Motor Design and Installation, and National Electric Code (same As Elc-406)  3.50 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.
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 07:10PM MW JACT 5
LAB 08/27/18 12/14/18 07:20PM 08:45PM MW JACT 5
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

HYB - Hybrid Lecture • HYBL - Hybrid Lab • HYBLO - Hybrid Online Lab • HYBO - Hybrid Online Lecture • LAB - Lab • LEC - Lecture • OL - Online Lecture • OLL - Online Lab
WE - Web Enhanced Lecture • WEL - Web Enhanced Lab • WRK - Work Experience Lecture • WRKX - Hybrid Work Experience • WRKO - Work Experience Online
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<table>
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<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELE-408</td>
<td>Transformer Theory, Leadership, Management, and Test Equipment (same As Elc-408)</td>
<td>3.50</td>
<td>UNIT</td>
</tr>
</tbody>
</table>
| 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. |
| 37225       | Last day to add: 09/07/18 LEC 08/27/18 12/14/18 06:00PM 07:10PM TTH JACT 5 |

Instructor: Staff

<table>
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<th>Hours</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ELE-420</td>
<td>Introduction to Sound/Communication Trade Industry (same As Elc-420)</td>
<td>3.50</td>
<td>UNIT</td>
</tr>
</tbody>
</table>
| 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. |
| 37229       | Last day to add: 09/07/18 LEC 08/27/18 12/14/18 06:00PM 07:10PM MW JACT 8 |

Instructor: Staff

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<th>Hours</th>
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<tbody>
<tr>
<td>ELE-422</td>
<td>Electrical Theory and Practices AC (same As Elc-422)</td>
<td>3.50</td>
<td>UNIT</td>
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</tbody>
</table>
| 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. |
| 37230       | Last day to add: 09/07/18 LEC 08/27/18 12/14/18 03:00PM 04:10PM MW JACT 8 |

Instructor: Staff

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<th>Hours</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ELE-424</td>
<td>Introduction to Digital Electronics and Signaling Devices (same As Elc-424)</td>
<td>3.50</td>
<td>UNIT</td>
</tr>
</tbody>
</table>
| 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. |
| 37231       | Last day to add: 09/07/18 LEC 08/27/18 12/14/18 06:00PM 07:10PM TTH JACT 8 |

Instructor: Staff

<table>
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<th>Hours</th>
<th>Credits</th>
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<tr>
<td>ELE-499</td>
<td>Electrician Apprenticeship Work Experience (same As Elc-499)</td>
<td>1</td>
<td>UNIT</td>
</tr>
</tbody>
</table>
| 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. |
| 37232       | Last day to add: 09/07/18 LAB 08/27/18 12/14/18 08:00AM 08:50AM S JACT 1 |

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

<table>
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<th>Credits</th>
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<tr>
<td>ELE-499</td>
<td>Electrician Apprenticeship Work Experience (same As Elc-499)</td>
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<td>UNIT</td>
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| 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. |
| 37931       | Last day to add: 09/07/18 LAB 08/27/18 12/14/18 09:00AM 09:50AM S JACT 1 |

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
**ENGINEERING**

**ENE-21  Drafting  3 UNITS**

**Prerequisite:** None.

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

*Last day to add: 09/07/18*

<table>
<thead>
<tr>
<th>CRN</th>
<th>Section</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
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<td>12/14/18</td>
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<td>12/14/18</td>
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</table>

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

**Instructor:** Staff

**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.)

*Last day to add: 09/07/18*

<table>
<thead>
<tr>
<th>CRN</th>
<th>Section</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
<th>Location</th>
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<tr>
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<td></td>
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<td>08/27/18</td>
<td>12/14/18</td>
<td>04:05PM</td>
</tr>
</tbody>
</table>

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

**Instructor:** Staff

**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.

*Last day to add: 09/02/18*

<table>
<thead>
<tr>
<th>CRN</th>
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<th>Days</th>
<th>Start Time</th>
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</tbody>
</table>

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

**Instructor:** Staff

**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.

*Last day to add: 09/07/18*

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

Instructor: G Balteria

**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.

*Last day to add: 09/07/18*

<table>
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<tr>
<th>CRN</th>
<th>Section</th>
<th>Days</th>
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<td>12/14/18</td>
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Instructor: Staff
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.
37245  Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 07:25PM MW IT 125
WEL 08/27/18 12/14/18 07:35PM 09:40PM M IT 125
WEL2 08/27/18 12/14/18 06:00PM 09:10PM W IT 125
The above section is a web-enhanced class. Internet access is required.
Instructor: S Hall

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.)
37857  Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 07:25PM TTH IT 125
WEL 08/27/18 12/14/18 07:35PM 09:40PM T IT 125
WEL2 08/27/18 12/14/18 06:00PM 09:10PM TH IT 125
The above section is a web-enhanced class. Internet access is required.
Instructor: J Sommerville

ENE-51  Blueprint Reading  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.)
37247  Last day to add: 10/26/18
WE 10/22/18 12/12/18 08:00AM 09:30AM MW IT 124
WEL 10/22/18 12/12/18 09:35AM 11:05AM MW IT 124
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: Staff

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.)
37249  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 08:05PM W ATEC 109
Instructor: G Cordier
### ENGLISH

**ENGLISH COMPOSITION COURSES**

**ENGLISH 18/18H**
- A grade of C or better in ENG-1A/1AH

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

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

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

**ENGLISH 70**
- There is no prerequisite; the course is open to all students. It is strongly recommended that students register in an appropriate composition course (ENG-70, 80, 50, or ENG-1A) during their first semester of enrollment. See "Moving through English" for more details.

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**ENG-1A English Composition**

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

**Description:** Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. 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)

**OL**
- 37254 Last day to add: 09/07/18
- OL 08/27/18 12/14/18
- OL 08/27/18 12/14/18

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. Please note the start and end dates.

**Instructor:** E Rossi

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**ENG-1A English Composition**

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

**Description:** Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. 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)

**OL**
- 37954 Last day to add: 09/04/18
- OL 08/27/18 10/21/18
- OLL 08/27/18 10/21/18

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:** C Liang

---

**ENG-1A English Composition**

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

**Description:** Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. 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)

**OL**
- 37283 Last day to add: 09/07/18
- WE 08/27/18 12/14/18 07:15AM MWF
- WEL 08/27/18 12/14/18 IT 206

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 212 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

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**ENG-1A English Composition**

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

**Description:** Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. 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)

**OL**
- 37276 Last day to add: 09/07/18
- OL 08/27/18 12/14/18
- OLL 08/27/18 12/14/18

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:** E Rossi
### English Composition

**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)

**Last day to add:** 09/07/18

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<th>End Time</th>
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<td>WEL</td>
<td>08/27/18</td>
<td>12/14/18</td>
<td>IT 121</td>
</tr>
</tbody>
</table>

This course is part of the First Year Experience (FYE). For information or to enroll email Justin.Mendez@norcocollege.edu or Natalie.Aceves@norcocollege.edu. 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
ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37289  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  08:15AM  10:20AM  MW  CRC CRCU
LAB  08/27/18  12/14/18  11:45AM  12:35PM  W  CRC CRCU
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

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37287  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:15AM  10:20AM  TTH  IT 206
WEL  08/27/18  12/14/18  11:00AM  11:50AM  W  IT 121
The above section is designed for the Umoja Community. Students are required to register for GUI-48 38383 and ENG-85 38875 during this semester. Please see the Umoja Counselor in the Counseling Department prior to enrolling. The designated laboratory hours are included in the meeting times for this class.
Instructor: A Moore

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37291  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:15AM  10:20AM  TTH  IT 108
WEL  08/27/18  12/14/18  11:00AM  11:50AM  W  IT 121
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
Instructor: J Dobson

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37917  Last day to add: 09/07/18
HYB  08/27/18  12/14/18  08:15AM  10:20AM  T  WEQ W6B
HYBO  08/27/18  12/14/18  ON LINE
HYBLO  08/27/18  12/14/18  ON LINE
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: S Hanson

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37918  Last day to add: 09/07/18
HYB  08/27/18  12/14/18  08:15AM  10:20AM  TH  WEQ W6B
HYBO  08/27/18  12/14/18  ON LINE
HYBLO  08/27/18  12/14/18  ON LINE
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: S Hanson

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37971  Last day to add: 09/03/18
HYB  08/27/18  10/19/18  08:15AM  10:10AM  TH  IT 110
HYBO  08/27/18  10/19/18  ON LINE
HYBLO  08/27/18  10/19/18  ON LINE
The above section is a short term hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.
Please note the start and end dates.
Instructor: N Morford
ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37972  Last day to add: 10/29/18
HYB  10/22/18  12/14/18  08:15AM 10:00AM TH  IT 110
HYBO  10/22/18  12/14/18  ON LINE
HYBLO  10/22/18  12/14/18  ON LINE
The above section is a short term hybrid class and has an 18-hour laboratory requirement to
be completed online. Computer with Internet access required. See www.opencampus.com.
Please note the start and end dates.
Instructor: N Morford

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37255  Last day to add: 09/07/18
WEL  08/27/18  12/14/18  08:45AM 10:00AM MWF  CACT 1
WEL  08/27/18  12/14/18  IT 121
This course is part of the First Year Experience (FYE). For information or to enroll email Justin.
Mendez@nococollage.edu or Natalie.Aceves@nococollage.edu. 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 Mills

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37256  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  10:15AM 11:30AM MWF  IT 121
LAB  08/27/18  12/14/18  IT 121
The above section has a 18-hour laboratory requirement to be arranged. In addition to the
time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes
each week, and must use WebAdvisor to schedule these sessions. Required lab attendance
begins the first week of the term. See WebAdvisor for available WL-LAB times.
Instructor: R Hitch

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37258  Last day to add: 09/07/18
WEL  08/27/18  12/14/18  10:15AM 11:30AM MWF  IT 108
WEL  08/27/18  12/14/18  IT 121
The above section has an 18-hour laboratory requirement to be arranged. In addition to the
time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes
each week, and must use WebAdvisor to schedule these sessions. Required lab attendance
begins the first week of the term. See WebAdvisor for available WL-LAB times.
Instructor: M Pelle
ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37899  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  10:30AM  12:35PM  MW  IT 123
LAB  08/27/18  12/14/18  IT 121

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

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37826  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  10:30AM  12:35PM  TH  WEQ 6W8
WEL  08/27/18  12/14/18  IT 121

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

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37848  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  10:30AM  12:35PM  TH  IT 110
LAB  08/27/18  12/14/18  IT 121

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

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)
37916  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  10:30AM  12:35PM  TH  IT 123
LAB  08/27/18  12/14/18  IT 121

This course is part of the First Year Experience (FYE). For information or to enroll email Justin. Mendez@norcocollege.edu or Natalie.Aceves@norcocollege.edu. The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
Instructor: N Capps
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)  

37259  Last day to add: 09/07/18  
LEC  08/27/18  12/14/18  11:45AM  01:00PM  MWF  IT 110  
LAB  08/27/18  12/14/18  IT 121  

This course is part of the First Year Experience (FYE). For information or to enroll email Justin. Mendez@norcocollege.edu or Natalie.Aceves@norcocollege.edu. 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:** Staff  

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)  

37281  Last day to add: 09/07/18  
WE  08/27/18  12/14/18  11:45AM  01:00PM  MWF  IT 206  
WEL  08/27/18  12/14/18  IT 121  

This course begins the first week of the term. See WebAdvisor for available WL-LAB times.  

**Instructor:** D Mattson  

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)  

37850  Last day to add: 09/07/18  
LEC  08/27/18  12/14/18  11:45AM  01:00PM  MWF  CACT 1  
LAB  08/27/18  12/14/18  IT 121  

This course begins the first week of the term. See WebAdvisor for available WL-LAB times.  

**Instructor:** E Harmer  

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)  

37278  Last day to add: 09/07/18  
WE  08/27/18  12/14/18  01:15PM  02:30PM  MWF  IT 110  
WEL  08/27/18  12/14/18  IT 121  

This course begins the first week of the term. See WebAdvisor for available WL-LAB times.  

**Instructor:** R Mansikka
ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)

Instructor: A Elizalde

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)

Instructor: J Reed

ENG-1A  English Composition  4 UNITS
Prerequisite: ENG-50 or ENG-80or 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)

Instructor: R Mansikka
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)
37286  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:45PM  04:00PM  MWF  ST 108
WEL  08/27/18  12/14/18  IT 121
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: S Hicks

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)
37963  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  02:45PM  04:50PM  MW
LAB  08/27/18  12/14/18  05:00PM  05:50PM  M
Instructor: J Harmer

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)
37959  Last day to add: 09/07/18
HYB  08/27/18  12/14/18  03:00PM  05:05PM  MW  ERHS B211
HYBO  08/27/18  12/14/18  ON LINE
HYBLO  08/27/18  12/14/18  ON LINE
The above section is restricted to Eleanor Roosevelt High School students only.
Instructor: C Brownell

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)
37285  Last day to add: 09/07/18
WE  08/27/18  12/14/18  03:00PM  05:05PM  TTH  ERHS B203
WEL  08/27/18  12/14/18  05:15PM  06:50PM  TH  ERHS B203
The above section is restricted to Eleanor Roosevelt High School students only.
Instructor: J Hicks
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)
37279  Last day to add: 09/07/18
WE 08/27/18 12/14/18 04:15PM 06:20PM MW CACT 1
WEL 08/27/18 12/14/18 IT 121
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

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)
37282  Last day to add: 09/07/18
WE 08/27/18 12/14/18 04:15PM 06:20PM MW IT 206
WEL 08/27/18 12/14/18 IT 121
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 Perez

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)
37257  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 04:15PM 06:20PM TTH ST 108
LAB 08/27/18 12/14/18 IT 121
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
Instructor: A Elizalde

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)
37264  Last day to add: 09/07/18
WE 08/27/18 12/14/18 04:15PM 06:20PM THH IT 111
WEL 08/27/18 12/14/18 IT 121
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

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)
37272  Last day to add: 09/07/18
WE 08/27/18 12/14/18 04:15PM 06:20PM THH CACT 1
WEL 08/27/18 12/14/18 IT 121
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

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)
37292  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 04:15PM 06:20PM TTH JFK 104
LAB 08/27/18 12/14/18 IT 121
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
Instructor: J Reed
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)
37265  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:30PM  08:35PM  MW  ST 108
WEL  08/27/18  12/14/18  IT 121
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

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)
37274  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:30PM  08:35PM  MW  IT 111
WEL  08/27/18  12/14/18  IT 121
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: T Okamoto

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)
37275  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:30PM  08:35PM  MW  CACT 1
WEL  08/27/18  12/14/18  IT 121
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 Perez

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)
37266  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:30PM  08:35PM  THH  IT 108
WEL  08/27/18  12/14/18  IT 121
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: S Tkach

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)
37296  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  10:30AM  12:35PM  THH  IT 108
LAB  08/27/18  12/14/18  IT 121
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
Instructor: D Mills

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

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ENG-1B   Critical Thinking and Writing
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)  
37297   Last day to add: 10/30/18
OL 10/22/18 12/14/18
OLL 10/22/18 12/14/18

The above section is a short term online class. Students are required to register for ENG-1A:37284 and ENG-1B-37297 during this semester. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online. Please note the start and end dates.  
Instructor: D Samson

ENG-1B   Critical Thinking and Writing
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)  
37934   Last day to add: 09/06/18
OL 08/27/18 10/27/18
OLL 08/27/18 10/27/18

The above section is a short term online class. Students are required to register for ENG-1A:37284 and ENG-1B-37297 during this semester. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online. Please note the start and end dates.  
Instructor: D Samson

ENG-1B   Critical Thinking and Writing
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)  
37305   Last day to add: 09/07/18
LEC 08/27/18 12/14/18 11:45AM 01:00PM MWF
LAB 08/27/18 12/14/18 IT 121

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

ENG-1B   Critical Thinking and Writing
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)  
37311   Last day to add: 09/07/18
WE 08/27/18 12/14/18 12:30PM 02:35PM MW
ST 108
WEL 08/27/18 12/14/18 IT 121

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
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)  
37303   Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:00PM 04:05PM THH
IT 110
WEL 08/27/18 12/14/18 IT 121

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: Staff

ENG-1B   Critical Thinking and Writing
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)  
37300   Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:45PM 04:00PM MW
IT 111
WEL 08/27/18 12/14/18 IT 121

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
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.
Instructor: J Lovell

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.
Instructor: L Hernandez

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.
Instructor: E Wagner

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.
Instructor: J Lovell

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.
Instructor: L Hernandez

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.
Instructor: E Wagner

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.
Instructor: J Lovell
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)
Instructor: Staff
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 04:15PM 06:20PM TTH JFK 117
WEL 08/27/18 12/14/18 06:30PM 08:35PM IT 121

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)
Instructor: T Wallace
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:30PM 08:35PM MW IT 108
WEL 08/27/18 12/14/18 06:30PM 08:35PM IT 121

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)
Instructor: M Muldoon
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:30PM 08:35PM MW HUM 102
LAB 08/27/18 12/14/18 06:30PM 08:35PM IT 121

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)
Instructor: E Wagner
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:30PM 08:35PM TTH JFK 116
LAB 08/27/18 12/14/18 06:30PM 08:35PM IT 121

ENG-1BH  Honors Critical Thinking and Writing  4 UNITS
Prerequisite: ENG-1A or ENG-1AH Limitation on enrollment: Enrollment in the Honors Program
Description: Building on the rhetorical skills learned in ENG 1A or 1AH, 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. 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-1B and ENG-1BH. 72 hours lecture and 18 hours laboratory. (TBA option)
Instructor: D Reade
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:30PM 08:35PM 10:50AM MW IT 206
LAB 08/27/18 12/14/18 06:30PM 08:35PM IT 121
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Advisory</th>
<th>Description</th>
<th>Last Day to Add</th>
<th>Instructor</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>ENG-8</td>
<td>Introduction to Mythology</td>
<td>3</td>
<td>None</td>
<td>None</td>
<td>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.</td>
<td>09/07/18</td>
<td>D Reade</td>
<td>08:45AM</td>
<td>TTH</td>
<td>IT 123</td>
</tr>
<tr>
<td>ENG-11</td>
<td>Creative Writing</td>
<td>3</td>
<td>ENG-1A or ENG-1AH</td>
<td>None</td>
<td>A study of prose fiction from the twentieth century to the present, with an emphasis on writers of international standing whose work embodies significant formal developments and thematic concerns of prose narrative in the last century. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
<td>09/07/18</td>
<td>D Reade</td>
<td>08:15AM</td>
<td>M</td>
<td>ST 108</td>
</tr>
<tr>
<td>ENG-20</td>
<td>Survey of African American Literature</td>
<td>3</td>
<td>None</td>
<td>None</td>
<td>A survey of African American literature from the early oral tradition to the present, including a comprehensive exposure to African American prose, poetry, and fiction as well as a basic understanding of the cultural, intellectual, and artistic trends of African American culture and the relationship to contemporary literature. Students who have taken both ENG-21 and ENG-22 may not receive credit for ENG-20. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
<td>09/07/18</td>
<td>L Nelson</td>
<td>08:45AM</td>
<td>M</td>
<td>CRC CRCL609A</td>
</tr>
<tr>
<td>ENG-35</td>
<td>Images of Women in Literature</td>
<td>3</td>
<td>None</td>
<td>None</td>
<td>A study of images of women in literature which includes male and female authors and explores the cultural, sociological, political, and economic bases for historical and contemporary literary images of women. 54 hours lecture. (Letter Grade, or Pass/No Pass Option.)</td>
<td>09/07/18</td>
<td>A Moore</td>
<td>12:45PM</td>
<td>M</td>
<td>WE 123</td>
</tr>
<tr>
<td>ENG-40</td>
<td>World Literature I: From Ancient Literatures to</td>
<td>3</td>
<td>ENG-50 or ENG-80 or eligibility for ENG-1A</td>
<td>ENG-1B or ENG-1BH</td>
<td>Significant works of world literature from Ancient literatures to the Seventeenth Century, including a comprehensive exposure to the poetic, dramatic, and prose forms of early cultures as well as a basic understanding of the cultural, intellectual, and artistic trends these works embody. Primary emphasis is on literature in translation. 54 hours lecture. (Letter Grade, or Pass/No Pass Option.)</td>
<td>09/07/18</td>
<td>D Reade</td>
<td>08:15AM</td>
<td>M</td>
<td>ST 108</td>
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<tr>
<td>ENG-48</td>
<td>Short Story and Novel from the Twentieth Century</td>
<td>3</td>
<td>None</td>
<td>None</td>
<td>A study of prose fiction from the twentieth century to the present, with an emphasis on writers of international standing whose work embodies significant formal developments and thematic concerns of prose narrative in the last century. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
<td>09/07/18</td>
<td>D Reade</td>
<td>08:15AM</td>
<td>M</td>
<td>ST 108</td>
</tr>
<tr>
<td>ENG-50</td>
<td>Basic English Composition</td>
<td>4</td>
<td>ENG-70 or ENG-60B or ESL-55</td>
<td>REA-82 or qualifying placement level</td>
<td>Analyzes and develops skills in 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.)</td>
<td>09/07/18</td>
<td>C Miter</td>
<td>08:15AM</td>
<td>M</td>
<td>CACT 1</td>
</tr>
</tbody>
</table>

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

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! https://www.bkstr.com/norcocollegestore/
ENG-50  Basic English Composition  4 UNITS
Prerequisite: ENG-70 or ENG-60B or ESL-55
Advisory: REA-82 or qualifying placement level
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.)
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 08:15AM 10:20AM  M-F  HYB
LEC 08/27/18 12/14/18  ON LINE  HYB
LEC 08/27/18 12/14/18  ON LINE  HYBLO

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

ENG-50  Basic English Composition  4 UNITS
Prerequisite: ENG-70 or ENG-60B or ESL-55
Advisory: REA-82 or qualifying placement level
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.)
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 10:30AM 12:35PM  T  HYB
LEC 08/27/18 12/14/18  ON LINE  HYB
LEC 08/27/18 12/14/18  ON LINE  HYBLO

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

ENG-50  Basic English Composition  4 UNITS
Prerequisite: ENG-70 or ENG-60B or ESL-55
Advisory: REA-82 or qualifying placement level
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.)
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 10:30AM 12:35PM  T  HYB
LEC 08/27/18 12/14/18  ON LINE  HYB
LEC 08/27/18 12/14/18  ON LINE  HYBLO

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

ENG-50  Basic English Composition  4 UNITS
Prerequisite: ENG-70 or ENG-60B or ESL-55
Advisory: REA-82 or qualifying placement level
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.)
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 04:15PM 06:20PM  TH  WEL
LEC 08/27/18 12/14/18  ON LINE  WEL
LEC 08/27/18 12/14/18  ON LINE  WELLO

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 Hill

ENG-50  Basic English Composition  4 UNITS
Prerequisite: ENG-70 or ENG-60B or ESL-55
Advisory: REA-82 or qualifying placement level
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.)
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 04:15PM 06:20PM  TH  WEL
LEC 08/27/18 12/14/18  ON LINE  WEL
LEC 08/27/18 12/14/18  ON LINE  WELLO

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

ENG-50  Basic English Composition  4 UNITS
Prerequisite: ENG-70 or ENG-60B or ESL-55
Advisory: REA-82 or qualifying placement level
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.)
Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:30PM 08:35PM  TH  WEL
LEC 08/27/18 12/14/18  ON LINE  WEL
LEC 08/27/18 12/14/18  ON LINE  WELLO

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 Hill
ENG-80  Preparatory Composition  6 UNITS
Prerequisite: None
Description: Accelerated preparation for English Composition (ENG 1A), this course offers intensive instruction in the academic reading, reasoning, and writing expected in transfer and associate-degree courses. Students will read college-level texts and write a minimum of 10,000 words. Classroom instruction is supplemented by writing lab activities. 108 hours lecture and 18 hours laboratory. (TBA option) (Non-degree credit course.)

<table>
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<th>12/14/18</th>
<th>08:45AM 10:05AM</th>
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<th>ST 108</th>
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</table>

Last day to add: 09/07/18

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

Instructor: T Comstock

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.)

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<td>12/14/18</td>
<td>IT 121</td>
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</table>

Last day to add: 09/07/18

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

Instructor: K Anderson

ENG-85  Writing Clinic (English) 0.50 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.)

<table>
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<th>12/07/18</th>
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<th>LIBR LRC</th>
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</table>

Instructor: K Anderson

ENG-85  Writing Clinic (English) 0.50 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.)

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<th>11:50AM 12:50PM</th>
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<th>LIBR LRC</th>
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Instructor: K Anderson

ENG-85  Writing Clinic (English) 0.50 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.)

<table>
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<th>LAB</th>
<th>08/27/18</th>
<th>12/05/18</th>
<th>10:10AM 11:15AM</th>
<th>MW</th>
<th>CACT 1</th>
</tr>
</thead>
</table>

Last day to add: 09/14/18

ENG 91 is a support course for students who did not receive direct placement into ENG 1A but who believe they are ready to take ENG 1A with extra support. This section of ENG 91 (2 units) must be taken simultaneously with ENG 1A-37852 (4 units) for a total of 6 units. When you enroll in this class, you are agreeing that you are also enrolling in ENG 1A-37852. Be sure to block out the times for ENG 1A-37852 so that you do not accidentally register for another class at that time. These courses are part of the First Year Experience (FYE). For information or to enroll email Justin.Mendez@norcocollege.edu or Natalie.Aceves@norcocollege.edu.

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: D Mattson
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.)

37909  Last day to add: 09/14/18
LEC  08/27/18  12/05/18  10:15AM  11:05AM  MW  IT 206

ENG 91 is a support course for students who did not receive direct placement into ENG 1A but who believe they are ready to take ENG 1A with extra support. This section of ENG 91 (2 units) must be taken simultaneously with ENG 1A-37850 (4 units) for a total of 6 units. When you enroll in this class, you are agreeing that you are also enrolling in ENG 1A-37850. Be sure to block out the times for ENG 1A-37850 so that you do not accidentally register for another class at that time. These courses are part of the First Year Experience (FYE). For information or to enroll email Justin.Mendez@norcocollege.edu or Natalie.Aceves@norcocollege.edu. 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: D Mills

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.)

37968  Last day to add: 09/14/18
LEC  08/27/18  12/05/18  10:15AM  11:05AM  MW  CRC CRC1609A

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

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.)

37913  Last day to add: 09/14/18
LEC  08/27/18  12/05/18  10:30AM  11:35AM  MW  CRC CRCU

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
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: 09/07/18
LEC 08/27/18  12/14/18  02:00PM  04:05PM  T  IT 206
Instructor: L Nelson

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.)
37912  Last day to add: 09/07/18
LEC 08/27/18  12/14/18  02:00PM  04:05PM  TH  IT 206
Instructor: A Moore

ENGLISH AS A SECOND LANGUAGE

ESL-51  Basic Writing and Grammar  4 UNITS
Prerequisite: None
Description: Emphasizes competency in standard written English with a focus on basic writing and grammar skills. Instruction also includes 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.)
37346  Last day to add: 09/07/18
LEC 08/27/18  12/14/18  06:30PM  08:35PM  TTH  IT 211
LAB 08/27/18  12/14/18  08:45PM  09:35PM  TH  IT 211
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.)
37347  Last day to add: 09/07/18
LEC 08/27/18  12/14/18  10:40AM  12:45PM  TTH  IT 211
LAB 08/27/18  12/14/18  09:40AM  10:30AM  T  IT 211
Designated laboratory hours are included in the meeting times for this class.
Instructor: D. Tougas

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.)
37348  Last day to add: 09/07/18
LEC 08/27/18  12/14/18  06:30PM  08:35PM  MW  IT 110
LAB 08/27/18  12/14/18  08:45PM  09:35PM  W  IT 110
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.)
37349  Last day to add: 09/07/18
LEC 08/27/18  12/14/18  09:10AM  10:45AM  TTH  IT 211
LAB 08/27/18  12/14/18  10:30AM  12:45PM  IT 121
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
Instructor: M. Shirinian

ESL-55  Advanced Writing and Grammar  4 UNITS
Prerequisite: ESL-54 or Qualifying placement level on a state-approved placement instrument
Description: Focuses on advanced writing and grammar skills. Instruction includes vocabulary and reading skills necessary for success in advanced English as a Second Language courses. 90 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)
Designated laboratory hours are included in the meeting times for this class.
Instructor: D. Tougas

ESL-56  Advanced Writing and Grammar  4 UNITS
Prerequisite: ESL-55 or Qualifying placement level on a state-approved placement instrument
Description: Focuses on advanced writing and grammar skills. Instruction includes vocabulary and reading skills necessary for success in advanced English as a Second Language courses. 90 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)
Designated laboratory hours are included in the meeting times for this class.
Instructor: D. Tougas

ESL-57  Advanced Writing and Grammar  4 UNITS
Prerequisite: ESL-56 or Qualifying placement level on a state-approved placement instrument
Description: Focuses on advanced writing and grammar skills. Instruction includes vocabulary and reading skills necessary for success in advanced English as a Second Language courses. 90 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)
Designated laboratory hours are included in the meeting times for this class.
Instructor: D. Tougas
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.)
LEC  08/27/18  12/14/18  10:55AM  12:30PM  MWF  IT 211
LAB  08/27/18  12/14/18  IT 121
The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.
Instructor: M Shirinian

ESL-92  Oral Skills II: Intermediate Oral Communication  3 UNITS
Prerequisite: None
Advisory: ESL-91 and concurrent enrollment in ESL 53 or 54
Description: This course develops intermediate conversation, pronunciation, idiomatic and aural comprehension skills. It is intended for non-native speakers of English who can make themselves understood but are not yet proficient in self-expression. Conversational and idiomatic skills focus on fluent and appropriate use of oral communication skills in a variety of social, business and/or academic situations. Pronunciation focuses on clearer articulation of English vowels and consonants and on increased control of the stress, intonation and rhythm of English. Listening comprehension stresses understanding verbal instructions and questions on campus and in the workplace. Students continue to learn appropriate verbal and non-verbal behavior as well as conversation management techniques to exchange ideas in small and large group communication. 54 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)
LEC  08/27/18  12/14/18  08:00AM  09:25AM  TTH  IT 211
LAB  08/27/18  12/14/18  09:25AM  10:25AM  TH  IT 211
Designated laboratory hours are included in the meeting times for this class.
Instructor: M Shirinian

FRENCH

FRENCH  ENROLLMENT GUIDELINES

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 understanding, reading, communicating and writing in French.
LEC  08/27/18  12/14/18  08:10PM  09:00PM  TH  LIBR 121
LAB  08/27/18  12/14/18  09:00PM  10:00PM  M  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: L Thach

FRE-1  French 1  5 UNITS
Prerequisite: None.
Description: Develops basic skills in understanding, reading, communicating and writing in French.
LEC  08/27/18  12/14/18  03:00PM  04:00PM  W  LIBR 121
LAB  08/27/18  12/14/18  04:00PM  05:00PM  M  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: A Smith

FRE-1  French 1  5 UNITS
Prerequisite: None.
Description: Develops basic skills in understanding, reading, communicating and writing in French.
LEC  08/27/18  12/14/18  05:10PM  06:00PM  W  LIBR 121
LAB  08/27/18  12/14/18  06:00PM  07:00PM  M  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: L Thach

FRE-2  French 2  5 UNITS
Prerequisite: FRE-1
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 French at the beginning level. This course includes an expanded discussion of French culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)
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.
37355 Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:10AM 12:35PM TTH ATEC 118
The above section is a web-enhanced class. Internet access is required.
Instructor: J Coverdale

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.
37357 Last day to add: 09/07/18
HYBO 08/27/18 12/14/18 ON LINE
HYBL 08/27/18 12/14/18 09:35AM 12:45PM W STEM 115
The above section is a hybrid class and has an 54-hour lecture to be completed online.
Computer with Internet access required. See www.opencampus.com.
Instructor: J Perry

GAM-23 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.
37356 Last day to add: 09/07/18
OL 08/27/18 12/14/18 ON LINE
OLL 08/27/18 12/14/18 ON LINE
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: J 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.
37358 Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:35PM 05:45PM M STEM 115
WEL 08/27/18 12/14/18 02:35PM 05:45PM W STEM 115
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 Ruiz

GAM-32 Advanced Digital Sculpting 3 UNITS
Prerequisite: GAM-32
Description: Continued study to perfect character modeling techniques with advanced sculpting methods. This course concentrates on the production work flow of ZBrush to Maya and complete high end cinematic quality 3D models. The focus will be on high level detail and animation models. 54 hours lecture and 18 hours laboratory. (TBA option)
37874 Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:05AM 01:10PM T IT 125
WE2 08/27/18 12/14/18 11:05AM 12:00PM TH IT 125
WEL 08/27/18 12/14/18 12:00PM 12:55PM TH IT 125
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
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.
            Last day to add: 09/07/18
HYB  08/27/18  12/14/18  08:00AM 09:25AM M  STEM 115
HYBO  08/27/18  12/14/18  ON LINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: T Pryor

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.
            Last day to add: 09/07/18
WE  08/27/18  12/14/18  09:00AM 10:25AM TTH  STEM 115
The above section is a web-enhanced class. Internet access is required.
Instructor: J Coverdale

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.
            Last day to add: 09/07/18
WE  08/27/18  12/14/18  01:05PM 02:30PM TTH  STEM 115
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.
            Last day to add: 09/07/18
WE  08/27/18  12/14/18  03:00PM 04:25PM MW  ERHS 8108
The above section is restricted to Eleanor Roosevelt High School students only.
Instructor: T Pryor

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.
            Last day to add: 09/07/18
WE  08/27/18  12/14/18  03:00PM 04:25PM TTH
Instructor: T Pryor

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)
            Last day to add: 09/07/18
OL  08/27/18  12/14/18  08:00AM 09:25AM W  STEM 115
OLL  08/27/18  12/14/18  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: J Finley

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)
            Last day to add: 09/07/18
HYB  08/27/18  12/14/18  08:00AM 09:25AM M  STEM 115
HYBO  08/27/18  12/14/18  ON LINE
HYBLO  08/27/18  12/14/18  ON LINE
The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See www.opencampus.com.
Instructor: J Finley

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)
            Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:35PM 04:40PM T  STEM 125
WEL  08/27/18  12/14/18  03:35PM 05:40PM T  STEM 125
WEL2  08/27/18  12/14/18  02:35PM 04:40PM TH  STEM 125
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-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.
37882  Last day to add: 09/12/18
WE 09/01/18 12/08/18 09:00AM 11:20AM S ATEC 209
WEL 09/01/18 12/08/18 11:30AM 03:05PM S ATEC 209
The above section is a short term web enhanced class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: A Andreini

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)
37878  Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 09:10PM T STEM 125
WEL 08/27/18 12/14/18 09:00AM 09:10PM T STEM 125
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-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)
37878  Last day to add: 09/07/18
WE 09/01/18 12/08/18 09:00AM 11:20AM S ATEC 209
WEL 09/01/18 12/08/18 11:30AM 03:05PM S ATEC 209
The above section is a short term web enhanced class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: A Andreini

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.
37372  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 08:00AM 09:25AM TTH ATEC 205
Instructor: S Justice

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.
37371  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 09:15AM 10:40AM MW ATEC 114
Instructor: S Justice
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. 37373  Last day to add: 09/07/18
Instructor: S Justice
LEC  08/27/18  12/14/18  11:00AM  12:25PM  MW  ATEC 114

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. 37375  Last day to add: 09/07/18
Instructor: R Christov
LEC  08/27/18  12/14/18  04:15PM  05:40PM  TTH  ATEC 205

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. 37374  Last day to add: 09/07/18
Instructor: E Peprah
LEC  08/27/18  12/14/18  06:30PM  09:40PM  M  ATEC 205

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 which 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. 37376  Last day to add: 09/07/18
Instructor: S Justice
LEC  08/27/18  12/14/18  12:45PM  02:10PM  MW  IT 208

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. 37382  Last day to add: 09/07/18
LAB  08/27/18  12/14/18  09:15AM  10:40AM  MW  ATEC 205
Instructor: E Ogbuchiekwe

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. 37377  Last day to add: 09/07/18
LAB  08/27/18  12/14/18  11:00AM  12:25PM  MW  ATEC 205
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. 37378  Last day to add: 09/07/18
LAB  08/27/18  12/14/18  11:15AM  12:40PM  TTH  ATEC 205
Instructor: R Christov

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. 37379  Last day to add: 09/07/18
LAB  08/27/18  12/14/18  12:45PM  02:10PM  MW  ATEC 205
Instructor: R Christov

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. 37381  Last day to add: 09/07/18
LAB  08/27/18  12/14/18  04:15PM  05:40PM  MW  ATEC 205
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. This course 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. (Pass/No Pass only.)

37964 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 08:00AM 08:50AM W
INSTRUCTOR: Staff

The above section is restricted to Centennial high school students only.

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. This course 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. (Pass/No Pass only.)

37965 Last day to add: 09/10/18
LEC 08/30/18 11/29/18 07:20AM 08:35AM TH
INSTRUCTOR: Staff

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. This course 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. (Pass/No Pass only.)

37384 Last day to add: 09/07/18
LEC 08/27/18 12/14/18 07:30AM 08:20AM W
INSTRUCTOR: L Martin

The above section is restricted to Eleanor Roosevelt High School students only.

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

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GUI-45  Introduction to College  1 UNIT
Prequisite: 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. This course 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. (Pass/No Pass only.)
37966  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 01:45PM 02:35PM T
The above section is restricted to La Sierra High School students only.
Instructor: J Frith

GUI-45  Introduction to College  1 UNIT
Prequisite: 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. This course 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. (Pass/No Pass only.)
37973  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 03:30PM 04:20PM W
The above section is restricted to Norco High School Students only.
Instructor: Staff

GUI-46  Intro Transfer Process  1 UNIT
Prequisite: None
Description: Survey of transfer requirements with hands-on activities through the application process for students transferring to four-year institutions.
37387  Last day to add: 10/30/18
LEC 10/26/18 12/14/18 11:50AM 12:55PM F
10/26/18 12/14/18 12:55PM ON LINE
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.
Instructor: Staff

GUI-46  Intro Transfer Process  1 UNIT
Prequisite: None.
Description: Survey of transfer requirements with hands-on activities through the application process for students transferring to four-year institutions.
37388  Last day to add: 09/01/18
HYB 08/28/18 10/16/18 02:00PM 02:50PM T
HYBLO 08/28/18 10/16/18 ON LINE
The above section is a short term hybrid class. Internet access is required. Please note the start and end date.
Instructor: M Iliscupidez

GUI-47  Career Exploration and Life Planning  3 UNIT S
Prequisite: 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.
37389  Last day to add: 09/07/18
OL 08/27/18 12/14/18 ON LINE
The above section is an ONLINE class. Computer with ONLINE internet access required. See www.opencampus.com.
Instructor: Staff

GUI-47  Career Exploration and Life Planning  3 UNIT S
Prequisite: 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.
37397  Last day to add:
OL 08/27/18 12/14/18 ON LINE
The above section is an ONLINE Class. Computer with ONLINE internet access required. See www.opencampus.com
Instructor: J Rubino
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.

37944  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  08:05AM  09:30AM  TTH  IT 208
Instructor: S Alcala

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.

37943  Last day to add: 09/14/18
LEC  08/27/18  12/14/18  09:05AM  10:30AM  MW  HUM 102
Instructor: Staff

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.

37932  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  09:15AM  10:40AM  MW  IT 127
The above section is a web-enhanced class. Internet access is required. This course will include training and information required for NCAA Athletes.
Instructor: J Midgett

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.

37898  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  09:35AM  11:00AM  TTH  JFK 106
This above section is restricted to JFK High School students only. The above section is a web-enhanced class.
Instructor: E Spurbeck

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.

37942  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  09:45AM  11:10AM  TTH  IT 106
Instructor: C Beirne

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.

37395  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  10:30AM  01:40PM  F  IT 209
Instructor: Staff
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.
37396  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  11:00AM  12:25PM  MW  IT 127
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.
37394  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  06:00PM  09:10PM  W  IT 208
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.
37391  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  06:30PM  09:40PM  T  IT 208
The above section is a web-enhanced class. Internet access is required.
Instructor: G Curasi

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.
37393  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  06:30PM  09:40PM  TH  IT 208
The above section is a web-enhanced class. Internet access is required.
Instructor: C Beime
GUI-48  College Success Strat  2 UNITS
Prerequisite: None.
Description: Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.
37951  Last day to add: 09/17/18
LEC  08/27/18  12/14/18  08:00AM  09:05AM  TTH  ATEC 204
Instructor: Staff

GUI-48  College Success Strat  2 UNITS
Prerequisite: None.
Description: Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.
37952  Last day to add: 09/14/18
LEC  08/27/18  12/15/18  11:30AM  12:35PM  MW  CACT 2
Instructor: Staff

GUI-48  College Success Strat  2 UNITS
Prerequisite: None.
Description: Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.
37400  Last day to add: 09/17/18
LEC  08/27/18  12/14/18  08:15AM  10:20AM  T  IT 110
The above section is designed for students in the Puente Program with special emphasis on Latino culture and requires concurrent enrollment in ENG-1A 37848 Puente Counselor prior to enrolling.
Instructor: M Jurado Martinez

GUI-48  College Success Strat  2 UNITS
Prerequisite: None.
Description: Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.
37401  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  08:00AM  11:55AM  MW  CRC CRCU
This above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.
Instructor: M Titterud

GUI-48  College Success Strat  2 UNITS
Prerequisite: None.
Description: Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.
37398  Last day to add: 09/17/18
LEC  08/27/18  12/14/18  06:30PM  08:35PM  W  WEQ W4
Instructor: E Amezola

GUI-48  College Success Strat  2 UNITS
Prerequisite: None.
Description: Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.
37399  Last day to add: 09/17/18
LEC  08/27/18  12/14/18  11:15AM  12:05PM  T  IT 106
LEC  08/27/18  12/14/18  11:15AM  12:20PM  TH  IT 106
The above section is designed for the Umoja Community. Students are required to register for ENG-1A 37287 during this semester. Please see the Umoja Counselor in the Counseling Department prior to enrolling.
Instructor: Staff
# 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.

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Time</th>
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<tbody>
<tr>
<td>37407</td>
<td>TTH</td>
<td>08/27/18 12/14/18 08:00AM - 09:25AM</td>
<td>THTR 101</td>
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<tr>
<td>37408</td>
<td>TTH</td>
<td>08/27/18 12/14/18 09:40AM - 11:05AM</td>
<td>THTR 101</td>
<td>09/07/18</td>
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<tr>
<td>37410</td>
<td>TTH</td>
<td>08/27/18 12/14/18 11:15AM - 12:40PM</td>
<td>WEQ W7</td>
<td>09/07/18</td>
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</tbody>
</table>

**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.

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<th>Last day to add</th>
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<tbody>
<tr>
<td>37406</td>
<td>MW</td>
<td>08/27/18 12/14/18 12:45PM - 02:10PM</td>
<td>IT 117</td>
<td>09/07/18</td>
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<tr>
<td>37412</td>
<td>TTH</td>
<td>08/27/18 12/14/18 02:00PM - 03:25PM</td>
<td>WEQ W7</td>
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</table>

**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.

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<tr>
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<td>IT 117</td>
<td>09/07/18</td>
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**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.

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<th>Location</th>
<th>Last day to add</th>
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<td>37413</td>
<td>MW</td>
<td>08/27/18 12/14/18 04:15PM - 05:40PM</td>
<td>IT 117</td>
<td>09/07/18</td>
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</tbody>
</table>

**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.

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<tr>
<td>37411</td>
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<td>08/27/18 12/14/18 06:00PM - 09:10PM</td>
<td>W</td>
<td>09/07/18</td>
</tr>
</tbody>
</table>

*Instructor: N Corselli, L Newson, S Witmer*
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.

37405  Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 09:10PM TH IT 101
The above section is a web-enhanced class. Internet access is required.
Instructor: V Genian

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.

37415  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 11:15AM 12:40PM TTH HUM 103
Instructor: S Kyriakos

HIS-6  Political and Social History of the United States  3 UNITS
Prerequisite: None
Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

37422  Last day to add: 09/07/18
LEC 09/01/18 12/08/18 08:00AM 11:35AM S HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: M Hickerson

HIS-6  Political and Social History of the United States  3 UNITS
Prerequisite: None
Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

37419  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 09:15AM 10:40AM MW HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: T Russell

HIS-6  Political and Social History of the United States  3 UNITS
Prerequisite: None
Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

37420  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 09:10PM M HUM 103
Instructor: M Hickerson

HIS-6  Political and Social History of the United States  3 UNITS
Prerequisite: None
Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

37421  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:00PM 09:10PM T WEQ W4
Instructor: M Hickerson
HIS-6  Political and Social History of the United States  3 UNITS  
Prerequisite: None  
Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and HIS-6H. 54 hours lecture.  
37425  Last day to add: 09/07/18  
WE  08/27/18  12/14/18  06:00PM  09:10PM  W  LIBR 110  
The above section is a web-enhanced class. Internet access is required.  
Instructor: T Knight  

HIS-6  Political and Social History of the United States  3 UNITS  
Prerequisite: None  
Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and HIS-6H. 54 hours lecture.  
37424  Last day to add: 09/07/18  
WE  08/27/18  12/14/18  06:00PM  09:10PM  TH  HUM 103  
The above section is a web-enhanced class. Internet access is required.  
Instructor: H Vion  

HIS-7  Political and Social History of the United States  3 UNITS  
Prerequisite: None  
Description: Political, social and economic development of the United States from 1877 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.  
37868  Last day to add: 09/07/18  
WE  08/27/18  12/14/18  11:00AM  02:10PM  F  HUM 103  
The above section is a web-enhanced class. Internet access is required.  
Instructor: H Vion  

HIS-7  Political and Social History of the United States  3 UNITS  
Prerequisite: None  
Description: Political, social and economic development of the United States from 1877 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.  
37429  Last day to add: 09/07/18  
LEC  08/27/18  12/14/18  12:45PM  02:10PM  MW  HUM 103  
Instructor: S Kyriakos  

HIS-7  Political and Social History of the United States  3 UNITS  
Prerequisite: None  
Description: Political, social and economic development of the United States from 1877 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.  
37430  Last day to add: 09/07/18  
LEC  08/27/18  12/14/18  02:00PM  03:25PM  TTH  HUM 103  
Instructor: S Kyriakos  

HIS-7  Political and Social History of the United States  3 UNITS  
Prerequisite: None  
Description: Political, social and economic development of the United States from 1877 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.  
37431  Last day to add: 09/07/18  
LEC  08/27/18  12/14/18  04:15PM  05:40PM  MW  HUM 103  
Instructor: S Kyriakos  

HIS-7  Political and Social History of the United States  3 UNITS  
Prerequisite: None  
Description: Political, social and economic development of the United States from 1877 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.  
37434  Last day to add: 09/07/18  
WE  08/27/18  12/14/18  04:15PM  05:40PM  TTH  HUM 103  
The above section is a web-enhanced class. Internet access is required.  
Instructor: T Russell  

HIS-7  Political and Social History of the United States  3 UNITS  
Prerequisite: None  
Description: Political, social and economic development of the United States from 1877 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.  
37428  Last day to add: 09/07/18  
LEC  08/27/18  12/14/18  11:00AM  12:25PM  MW  HUM 103  
Instructor: S Kyriakos
HIS-7  Political and Social History of the United States  3 UNITS
Prerequisite: None
Description: Political, social and economic development of the United States from 1877 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.
37433  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM W  HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: D Reina

HIS-7  Political and Social History of the United States  3 UNITS
Prerequisite: None
Description: Political, social and economic development of the United States from 1877 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.
37435  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM TH IT 202
The above section is a web-enhanced class. Internet access is required.
Instructor: C Delgadillo

HIS-7  Political and Social History of the United States  3 UNITS
Prerequisite: None
Description: Political, social and economic development of the United States from 1877 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.
37426  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:30PM  09:40PM M IT 109
The above section is a web-enhanced class. Internet access is required.
Instructor: H Vion

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.
37416  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM T HUM 103
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.
37443  Last day to add: 09/07/18
OL  08/27/18  12/14/18  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: D Palmer

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.
37444  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:00AM  09:25AM TH IT WQ W5
The above section is a web-enhanced class. Internet access is required.
Instructor: M Bobo

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.
37445  Last day to add: 09/07/18
WE  08/27/18  12/14/18  11:25AM  12:50PM TTH LIBR 109
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.
37441  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:00AM  12:05PM  F  WEQ W3
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.
37436  Last day to add: 09/07/18
WE  08/27/18  12/14/18  04:15PM  05:40PM  MW  IT 209
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.
37437  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  M  IT 211
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.
37438  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  T  WEQ W6B
The above section is a web-enhanced class. Internet access is required.
Instructor: D Ketcham
HUM-11  Religion in America  3 UNITS
Prerequisite: None
Advisory: HUM-10, REA-83 and qualification for ENG-1A
Description: Thought and practice of American religious traditions, including Native American practices, Protestantism, American religious sects (Mormons, Seventh-Day Adventists), Catholicism, Judaism, and Asian religions. Attention is also directed to the relationship between religion and politics, and religion and the different ethnic and racial groups of American culture. Course requires participant observation in different religious settings. 54 hours lecture.
37442  Last day to add: 09/07/18
WE 08/27/18 12/14/18 10:55AM 03:00PM F WEQ W7
The above section is a web-enhanced class. Internet access is required.
Instructor: J. Jimenez

HUM-35  Philosophy of Religion  3 UNITS
Prerequisite: None
Advisory: PHI-10 or PHI-11 and REA-83 and qualification for ENG-1A
Description: An introduction to the examination of religious claims from a philosophical perspective. Emphasis will be placed upon examining the rational justification for various traditional faith claims, and upon examining the relationship between rationality and faith. The course presumes a basic knowledge of philosophical argumentation. 54 hours lecture.
37817  Last day to add: 09/07/18
WE 08/27/18 12/14/18 12:45PM 02:10PM MW WEQ W7
The above section is a web-enhanced class. Internet access is required.
Instructor: J. Sentmanat

INTERDISCIPLINARY STUDIES

ILN-5  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.)
37486  Last day to add: 09/07/18
WE 08/27/18 12/14/18 05:30PM 07:20PM W STEM 125
The above section is a short term web-enhanced class. Internet is required. Please note the start and end dates.
Instructor: A. Jimenez

JOURNALISM

JOU-7  Mass Communications  3 UNITS
Prerequisite: None.
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.
37447  Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:30PM 03:55PM TH IT 210
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.
37457  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 08:00AM 09:25AM TH IT 210
Instructor: T. Wallstrom

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.
37458  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 09:40AM 11:05AM TH IT 210
Instructor: T. Wallstrom

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.
37459  Last day to add: 09/07/18
LEC 08/27/18 12/14/18 06:10PM 09:20PM T IT 210
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.
37450  Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:30PM 03:55PM WEQ W4
The above section is a web-enhanced class. Internet access is required.
Instructor: S. Witmer
KIN-10  Introduction to Kinesiology  3 UNITS  
Prerequisite: None.  
Description: The study of human movement, sub-disciplines in Kinesiology and career opportunities.  
37449  Last day to add: 09/07/18  
LEC 08/27/18 12/14/18 06:00PM 09:10PM W WEQ W3  
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.  
37451  Last day to add: 09/07/18  
LEC 08/27/18 12/14/18 04:15PM 06:45PM T WEQ W3  
LAB 08/27/18 12/14/18 07:00PM 08:25PM T WEQ W3  
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.  
37452  Last day to add: 09/07/18  
WE 08/27/18 12/14/18 11:00AM 12:25PM MW WEQ W3  
The above section is a web-enhanced class. Internet access is required.  
Instructor: S Witmer  

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.  
37453  Last day to add: 09/07/18  
LEC 08/27/18 12/14/18 06:00PM 09:10PM TH WEQ W3  
Instructor: J McMain  

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.  
37454  Last day to add: 09/07/18  
LEC 08/27/18 12/14/18 08:00AM 08:50AM M WEQ W4  
LEC2 08/27/18 12/14/18 08:00AM 09:05AM W WEQ W4  
LAB 08/27/18 12/14/18 09:15AM 10:40AM MW WEQ W8  
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.  
37455  Last day to add: 09/07/18  
LEC 08/27/18 12/14/18 09:40AM 11:05AM TH WEQ W3  
Instructor: B Wimer  

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.  
37456  Last day to add: 09/07/18  
LEC 08/27/18 12/14/18 11:15AM 12:40PM TH WEQ W3  
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 precursors 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.  
37818  Last day to add: 09/09/18  
LEC 08/27/18 11/07/18 08:45AM 10:35AM MW WEQ W3  
LAB 08/27/18 11/07/18 10:45AM 11:50AM MW WEQ W2  
The above section is a short term class. Please note the start and end dates.  
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 precursors 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.  
37819  Last day to add: 09/09/18  
LEC 08/27/18 11/07/18 12:45PM 02:35PM MW WEQ W3  
LAB 08/27/18 11/07/18 02:45PM 03:50PM MW WEQ W2  
The above section is a short term class. 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.)  
37460  Last day to add: 09/07/18  
LEC 08/27/18 12/14/18 12:45PM 02:10PM MW WEQ W2  
Instructor: D Namekata
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Last Day to Add</th>
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<tbody>
<tr>
<td>KIN-A41</td>
<td>Karate, Intermediate</td>
<td>1</td>
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<td>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.)</td>
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<td>HYBL</td>
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</tbody>
</table>

| KIN-A46     | Hatha Yoga, Beginning                | 1     |              | Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.                                                                         | F Stewart   |      |        |          | 09/07/18        |
|             |                                      |       |              |                                                                                       |             | 08/27 | 08:30  | LAB      |                 |
|             |                                      |       |              |                                                                                       |             | 12/14 | 12:00  | HYB      |                 |
|             |                                      |       |              |                                                                                       |             |      | 09:25AM| LEC      |                 |
|             |                                      |       |              |                                                                                       |             |      |        | HYBL     |                 |

| KIN-A46     | Hatha Yoga, Beginning                | 1     |              | Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.                                                                         | L Zank      |      |        |          | 09/07/18        |
|             |                                      |       |              |                                                                                       |             | 08/27 | 08:30  | LAB      |                 |
|             |                                      |       |              |                                                                                       |             | 12/14 | 12:00  | HYB      |                 |
|             |                                      |       |              |                                                                                       |             |      | 09:25AM| LEC      |                 |
|             |                                      |       |              |                                                                                       |             |      |        | HYBL     |                 |

| KIN-A46     | Hatha Yoga, Beginning                | 1     |              | Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.                                                                         | T Wallstrom |      |        |          | 09/07/18        |
|             |                                      |       |              |                                                                                       |             | 08/27 | 08:30  | LAB      |                 |
|             |                                      |       |              |                                                                                       |             | 12/14 | 12:00  | HYB      |                 |
|             |                                      |       |              |                                                                                       |             |      | 09:25AM| LEC      |                 |
|             |                                      |       |              |                                                                                       |             |      |        | HYBL     |                 |

| KIN-A47     | Hatha Yoga, Intermediate             | 1     |              | Description: Provides concepts for total fitness and develops personalized exercise programs for cardiovascular endurance, strength and flexibility.                                                              | B Wimer     |      |        |          | 09/07/18        |
|             |                                      |       |              |                                                                                       |             | 08/27 | 08:27  | LAB      |                 |
|             |                                      |       |              |                                                                                       |             | 12/14 | 12:15  | HYB      |                 |
|             |                                      |       |              |                                                                                       |             |      | 09:00AM| LEC      |                 |
|             |                                      |       |              |                                                                                       |             |      |        | HYBL     |                 |

| KIN-A75A    | Walking for Fitness: Beginning       | 1     |              | 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.) |
|             |                                      |       |              |                                                                                       | B Wimer     |      |        |          | 09/07/18        |
|             |                                      |       |              |                                                                                       |             | 08/27 | 08:30  | LAB      |                 |
|             |                                      |       |              |                                                                                       |             | 12/14 | 12:15  | HYB      |                 |
|             |                                      |       |              |                                                                                       |             |      | 09:00AM| LEC      |                 |
|             |                                      |       |              |                                                                                       |             |      |        | HYBL     |                 |

| KIN-A81A    | Physical Fitness, Beginning          | 1     |              | 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.) |
|             |                                      |       |              |                                                                                       | V Genian    |      |        |          | 09/07/18        |
|             |                                      |       |              |                                                                                       |             | 08/27 | 08:27  | LAB      |                 |
|             |                                      |       |              |                                                                                       |             | 12/14 | 12:15  | HYB      |                 |
|             |                                      |       |              |                                                                                       |             |      | 09:00AM| LEC      |                 |
|             |                                      |       |              |                                                                                       |             |      |        | HYBL     |                 |

| KIN-A81A    | Physical Fitness, Beginning          | 1     |              | 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.) |
|             |                                      |       |              |                                                                                       | K Roberts   |      |        |          | 09/07/18        |
|             |                                      |       |              |                                                                                       |             | 08/27 | 08:27  | LAB      |                 |
|             |                                      |       |              |                                                                                       |             | 12/14 | 12:15  | HYB      |                 |
|             |                                      |       |              |                                                                                       |             |      | 09:00AM| LEC      |                 |
|             |                                      |       |              |                                                                                       |             |      |        | HYBL     |                 |

| KIN-A81B    | Physical Fitness, Intermediate       | 1     |              | Description: Provides concepts for total fitness and develops personalized exercise programs for cardiovascular endurance, strength and flexibility.                                                               | T Wallstrom |      |        |          | 09/07/18        |
|             |                                      |       |              |                                                                                       |             | 08/27 | 08:27  | LAB      |                 |
|             |                                      |       |              |                                                                                       |             | 12/14 | 12:15  | HYB      |                 |
|             |                                      |       |              |                                                                                       |             |      | 09:00AM| LEC      |                 |
|             |                                      |       |              |                                                                                       |             |      |        | HYBL     |                 |

| KIN-A81B    | Physical Fitness, Intermediate       | 1     |              | Description: Provides concepts for total fitness and develops personalized exercise programs for cardiovascular endurance, strength and flexibility.                                                               | Staff       |      |        |          | 09/07/18        |
|             |                                      |       |              |                                                                                       |             | 08/27 | 08:27  | LAB      |                 |
|             |                                      |       |              |                                                                                       |             | 12/14 | 12:15  | HYB      |                 |
|             |                                      |       |              |                                                                                       |             |      | 09:00AM| LEC      |                 |
|             |                                      |       |              |                                                                                       |             |      |        | HYBL     |                 |
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.)  
37471  Last day to add: 09/29/18  
LAB  08/27/18  12/14/18  SOCRI 2  
The above section has a 175-hour laboratory requirement to be arranged and first meets on 8/27/18 at 3:00PM. All meeting times and game dates will be listed on the class syllabus.  
Contact the instructor for additional information.  
Instructor: F Melgarejo

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 from a variety of formats, both online and in print, to answer research questions and develop new ones. Through the use of information retrieval systems students will develop an understanding of and practices for the legal access to and ethical use of information. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)  
37473  Last day to add: 09/07/18  
HYB  08/27/18  10/15/18  03:00PM  04:15PM  M  STEM 125  
HYB0  08/27/18  10/15/18  ON LINE  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: S Seifried

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 an 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.)  
37472  Last day to add: 09/29/18  
LAB  08/27/18  12/14/18  SOCRI 2  
The above section has a 175-hour laboratory requirement to be arranged and first meets on 8/27/18 at 1:30PM. All meeting times and game dates will be listed on the class syllabus.  
Contact the instructor for additional information.  
Instructor: Staff

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 from a variety of formats, both online and in print, to answer research questions and develop new ones. Through the use of information retrieval systems students will develop an understanding of and practices for the legal access to and ethical use of information. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)  
37474  Last day to add: 10/30/18  
OL  10/22/18  12/14/18  ON LINE  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: M Castro

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.)  
37475  Last day to add: 10/30/18  
OL  10/22/18  12/14/18  ON LINE  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: D Dokter

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)  
37477  Last day to add: 10/30/18  
OL  10/22/18  12/14/18  ON LINE  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: E Doucette

MAG-47  Applied Business, Management Ethics  3 UNITS  
Prerequisite: None.  
Description: An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as BUS-47)  
37476  Last day to add: 09/07/18  
WE  08/27/18  12/14/18  06:30PM  09:40PM  TH  WEQW7  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A Riker
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.)

MAN-38  General Machine Shop  3 UNITS
Prerequisite: None
Description: This introductory course instructs students in the basic setup and operating of the lathe, mill, saw, drill press and grinder. Safety, blueprint reading, measurement, shop math, tool grinding, and speed and feed calculations are included. 36 hours lecture and 54 hours laboratory.

MAN-39  Machine Shop Theory  2 UNITS
Prerequisite: None
Description: The basic cutting concepts of machine tools are described and applied emphasizing safe work practices and rules related to machine tool operations.

MAN-53  Human Relations  3 UNITS
Prerequisite: None.
Description: Practical application of basic psychology in building better employer-employee relationships.

MAN-55  Occupational Safety and Health Administration (OSHA) Standards for General Industry  1 UNIT
Prerequisite: None
Description: 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 or 30 hour general industry or construction industry training completion card. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAG-53  Human Relations  3 UNITS
Prerequisite: None.
Description: Practical application of basic psychology in building better employer-employee relationships.

MAG-55  Occupational Safety and Health Administration (OSHA) Standards for General Industry  1 UNIT
Prerequisite: None
Description: 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 or 30 hour general industry or construction industry training completion card. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)

MAG-58  Machine Tool Theory  2 UNITS
Prerequisite: None.
Description: This introductory course instructs students in the basic setup and operating of the lathe, mill, saw, drill press and grinder. Safety, blueprint reading, measurement, shop math, tool grinding, and speed and feed calculations are included. 36 hours lecture and 54 hours laboratory.
MAN-64 Programmable Logic Controllers 3 UNITS
Prerequisite: None
Advisory: ELE-10 or ELE-21
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.)

MAN-68 Fundamentals of Maintenance 4 UNITS
Prerequisite: None.
Description: Foundational skills training for maintenance technicians. Introduction to the basic maintenance and repair methods used in the facility maintenance profession. Preventative maintenance methods and strategies are explored as students receive training in the use of electronic measuring devices, meters, and scopes. Topics include activities focused upon basic electrical skills, basic pneumatics and hydraulics, basic mechanical skills, basic plumbing, basic principles of refrigeration, refrigerants, refrigeration components, preventative and corrective maintenance. Completion of this basic course will prepare students for a job as a Facility Maintenance Technician. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

MAN-69 Fundamentals of Tooling and Test Equipment 2 UNITS
Prerequisite: None.
Description: An introduction to the tools and equipment used in the facility maintenance occupation, with an emphasis on the safe use, maintenance, and storage of a variety of tools and equipment. Introduces hand and power tools, test equipment, and wiring practices.

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)

MATHEMATICS

Moving through Math

MAT-63 Arithmetic & Pre-Algebra
MAT-64 Pre-Algebra
MAT-52** Elem. Algebra
MAT-53** Geometry
MAT-36*** Trigonometry
MAT-10* Pre-calculus
MAT-1A* Calculus 1 
MAT-18* Calculus 2 
MAT-1C* Calculus 3 
MAT-2* Diff. Equations
MAT-3* Linear Algebra
MAT-65 Arithmetic & Pre-Algebra
MAT-64 Pre-Algebra
MAT-52** Elem. Algebra
MAT-53** Geometry
MAT-36*** Trigonometry
MAT-10* Pre-calculus
MAT-1A* Calculus 1 
MAT-18* Calculus 2 
MAT-1C* Calculus 3 
MAT-2* Diff. Equations
MAT-3* Linear Algebra

Mathematics Majors

Science, Engineering or Math Majors

Liberal Studies or Social Science Majors

* Indicates UCF/CSU transferable course.
** Associate Degree Applicable Only
*** CSU Transferable Only
MAT-1A Calculus I 4 UNITS
Prerequisite: MAT-10 or qualifying placement level
Description: Functions, limits, continuity, differentiation, applications of the derivative and integration, the fundamental theorem of calculus and basic integration. 72 hours lecture and 18 hours laboratory. (Letter Grade or Pass/No Pass option)

Last day to add: 09/07/18

Instructor: J Tousignant

The above section is restricted to Eleanor Roosevelt High School students only.

WE2

WE37904

08/27/18 12/14/18 03:00PM 05:30PM T
WE2 08/27/18 12/14/18 03:00PM 04:30PM TH
WEL 08/27/18 12/14/18 04:40PM 05:30PM TH

The above section is restricted to Eleanor Roosevelt High School students only.

Instructor: J Tousignant

WE2

WE37514

08/27/18 12/14/18 06:30PM 09:00PM M
WE2 08/27/18 12/14/18 06:30PM 08:00PM W
WEL 08/27/18 12/14/18 08:10PM 09:00PM W

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

WE2

WE37516

08/27/18 12/14/18 09:40AM 12:10PM T
WE2 08/27/18 12/14/18 09:40AM 11:10AM TH
WEL 08/27/18 12/14/18 11:20AM 12:10PM TH

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

WE2

WE37518

08/27/18 12/14/18 09:40AM 12:10PM T
WE2 08/27/18 12/14/18 09:40AM 11:10AM TH
WEL 08/27/18 12/14/18 11:20AM 12:10PM TH

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

WE2

WE37519

08/27/18 12/14/18 02:10PM 04:40PM T
WE2 08/27/18 12/14/18 02:10PM 03:40PM TH
WEL 08/27/18 12/14/18 03:40PM 04:30PM TH

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

WE2

WE37520

08/27/18 12/14/18 02:10PM 04:20PM T
WE2 08/27/18 12/14/18 02:10PM 03:40PM TH
WEL 08/27/18 12/14/18 03:40PM 04:20PM TH

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
MAT-1B  Calculus II  4 UNITS
Prerequisite: MAT-1A
Description: Techniques of integration, applications of integration, improper integrals, infinite sequences and series, parametric equations, and polar coordinates. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)
37843  Last day to add: 09/07/18
WE  08/27/18  12/14/18  07:00PM  09:30PM  M  ATEC 204
WE2  08/27/18  12/14/18  07:00PM  08:30PM  W  ATEC 204
WEL  08/27/18  12/14/18  08:40PM  09:30PM  W  ATEC 204
The above section is a web-enhanced class. Internet access is required.
Instructor: A Hassanzadah

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.
37520  Last day to add: 09/07/18
WE  08/27/18  12/14/18  10:30AM  12:35PM  TTH  STEM 302
The above section is a web-enhanced class. Internet access is required.
Instructor: B Johnson

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.)
37522  Last day to add: 09/07/18
WE  08/27/18  12/14/18  10:30AM  12:35PM  TTH  WEQ W4
The above section is a web-enhanced class. Internet access is required.
Instructor: J Mulari

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.)
37524  Last day to add: 09/07/18
WE  08/27/18  12/14/18  03:45PM  05:10PM  TTH  WEQ W6A
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.)
37558  Last day to add: 09/07/18
WE  08/27/18  12/14/18  01:00PM  02:15PM  MWF  IT 109
The above section is a web-enhanced class. Internet access is required.
Instructor: A Robles

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.)
37557  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:00PM  04:05PM  TTH  WEQ W3
The above section is a web-enhanced class. Internet access is required.
Instructor: J Tousignant

MAT-10  Precalculus  4 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. 72 hours lecture. (Letter Grade or Pass/No Pass option)
37489  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:15AM  10:20AM  TTH  ATEC 211
The above section is a web-enhanced class. Internet access is required.
Instructor: J Warsinski
MAT-10  Precalculus  4 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. 72 hours lecture. (Letter Grade or Pass/No Pass option)
37488  Last day to add: 09/07/18
WE  08/27/18  12/14/18  11:15AM  12:30PM  MWF  ATEC 204
The above section is a web-enhanced class. Internet access is required.
Instructor: J Warsinski

MAT-10  Precalculus  4 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. 72 hours lecture. (Letter Grade or Pass/No Pass option)
37490  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:00PM  04:05PM  TTH  ATEC 204
The above section is a web-enhanced class. Internet access is required.
Instructor: S Hashemi

MAT-10  Precalculus  4 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. 72 hours lecture. (Letter Grade or Pass/No Pass option)
37491  Last day to add: 09/07/18
WE  08/27/18  12/14/18  04:15PM  06:20PM  MW  ATEC 204
The above section is a web-enhanced class. Internet access is required.
Instructor: H Mai

MAT-10  Precalculus  4 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. 72 hours lecture. (Letter Grade or Pass/No Pass option)
37492  Last day to add: 09/07/18
WE  08/27/18  12/14/18  04:15PM  06:20PM  MW  WEQ W5
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

MAT-10  Precalculus  4 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. 72 hours lecture. (Letter Grade or Pass/No Pass option)
37493  Last day to add: 09/07/18
WE  08/27/18  12/14/18  04:15PM  06:20PM  MW  LIBR 108
The above section is a web-enhanced class. Internet access is required.
Instructor: S Borissova

MAT-10  Precalculus  4 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. 72 hours lecture. (Letter Grade or Pass/No Pass option)
37494  Last day to add: 09/07/18
WE  08/27/18  12/14/18  04:15PM  06:20PM  MW  ATEC 204
The above section is a web-enhanced class. Internet access is required.
Instructor: J Basinger

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)
37495  Last day to add: 09/07/18
WE  08/27/18  12/14/18  04:15PM  06:20PM  TTH  ATEC 210
The above section is a web-enhanced class. Internet access is required.
Instructor: J DeGuzman

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)
37496  Last day to add: 09/07/18
WE  08/27/18  12/14/18  07:45AM  09:00AM  MWF  ATEC 204
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff
MAT-12  Statistics  4 UNITS  
Prerequisite: MAT-35  
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.)

37506  Last day to add: 09/07/18  
OL  08/27/18  12/14/18  ON LINE  
The above section is an online class. Computer with Internet access required.  
See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 10/17 to 10/21 and another day between 12/09 and 12/14.  
Instructor: J Mulari

MAT-12  Statistics  4 UNITS  
Prerequisite: MAT-35  
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.)

37507  Last day to add: 09/07/18  
OL  08/27/18  12/14/18  ON LINE  
The above section is an online class. Computer with Internet access required.  
See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 10/17 to 10/21 and another day between 12/09 and 12/14.  
Instructor: J Mulari

MAT-12  Statistics  4 UNITS  
Prerequisite: MAT-35  
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.)

37512  Last day to add: 09/07/18  
OL  08/27/18  12/14/18  ON LINE  
The above section is an online class. Computer with Internet access required.  
See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 10/17 to 10/21 and another day between 12/09 and 12/14.  
Instructor: K Gilman

MAT-12  Statistics  4 UNITS  
Prerequisite: MAT-35  
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.)

37499  Last day to add: 09/07/18  
WE  08/27/18  12/14/18  07:45AM  09:00AM  STEM 201  
The above section is a web-enhanced class. Internet access is required.  
Instructor: N Alvarado

MAT-12  Statistics  4 UNITS  
Prerequisite: MAT-35  
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.)

37497  Last day to add: 09/07/18  
HYB  08/27/18  12/14/18  08:00AM  10:30AM  M  IT 109  
HYBO  08/27/18  12/14/18  ON LINE  
The above section is a hybrid class. Computer with Internet access required.  
Instructor: Y Lam

MAT-12  Statistics  4 UNITS  
Prerequisite: MAT-35  
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.)

37498  Last day to add: 09/07/18  
HYB  08/27/18  12/14/18  08:00AM  10:30AM  W  IT 109  
HYBO  08/27/18  12/14/18  ON LINE  
The above section is a hybrid class. Computer with Internet access required.  
Instructor: Y Lam
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT-12</td>
<td>Statistics</td>
<td>4</td>
<td>MAT-35</td>
<td>A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
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<tr>
<td>37505</td>
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<td>The above section is a web-enhanced class. Internet access is required. <strong>Instructor:</strong> S Johnson</td>
</tr>
<tr>
<td>MAT-12</td>
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<td>A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
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<td>37510</td>
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<td>The above section is a web-enhanced class. Internet access is required. <strong>Instructor:</strong> N Alvarado</td>
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<td>37502</td>
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<td>The above section is a web-enhanced class. Internet access is required. <strong>Instructor:</strong> S Johnson</td>
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<td>MAT-12</td>
<td>Statistics</td>
<td>4</td>
<td>MAT-35</td>
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<tr>
<td>37503</td>
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<td>The above section is a web-enhanced class. Internet access is required. <strong>Instructor:</strong> H Mai</td>
</tr>
<tr>
<td>MAT-12</td>
<td>Statistics</td>
<td>4</td>
<td>MAT-35</td>
<td>A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
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<td>The above section is a web-enhanced class. Internet access is required. <strong>Instructor:</strong> J Warsinski</td>
</tr>
<tr>
<td>MAT-12</td>
<td>Statistics</td>
<td>4</td>
<td>MAT-35</td>
<td>A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
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<td>37500</td>
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<td>The above section is a web-enhanced class. Internet access is required. <strong>Instructor:</strong> D Wood</td>
</tr>
<tr>
<td>MAT-12</td>
<td>Statistics</td>
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<td>MAT-35</td>
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<td>37921</td>
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<td>The above section is restricted to Eleanor Roosevelt High School students only. <strong>Instructor:</strong> Staff</td>
</tr>
<tr>
<td>MAT-12</td>
<td>Statistics</td>
<td>4</td>
<td>MAT-35</td>
<td>A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
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<td>37511</td>
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<td>The above section is a web-enhanced class. Internet access is required. <strong>Instructor:</strong> A Robles</td>
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</tbody>
</table>
MAT-12  Statistics  4 UNITS
Prerequisite: MAT-35
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.)
Instructor: J Burke
The above section is a web-enhanced class. Internet access is required.
Last day to add: 09/07/18
08/27/18 - 12/14/18 04:15PM - 06:20PM  TTH  WEQ W5

MAT-12  Statistics  4 UNITS
Prerequisite: MAT-35
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.)
Instructor: J Burke
The above section is a web-enhanced class. Internet access is required.
Last day to add: 09/07/18
08/27/18 - 12/14/18 06:30PM - 08:35PM  TTH  WEQ W5

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, the real number system, algebra, geometry, probability, statistics, and problem solving. 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.
Instructor: B Johnson
The above section is a web-enhanced class. Internet access is required.
Last day to add: 09/07/18
08/27/18 - 12/14/18 12:45PM - 02:10PM  MW  LIBR 108

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)
Last day to add: 09/07/18
OL 08/27/18 - 12/14/18 06:30PM - 08:35PM  TTH  WEQ W5
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 10/17 to 10/21 and another day between 12/09 and 12/14.
Instructor: E Chung

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)
Last day to add: 09/07/18
OL 08/27/18 - 12/14/18 06:30PM - 08:35PM  TTH  WEQ W5
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 10/17 to 10/21 and another day between 12/09 and 12/14.
Instructor: E Chung

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)
Last day to add: 09/07/18
OL 08/27/18 - 12/14/18 06:30PM - 08:35PM  TTH  WEQ W5
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 10/17 to 10/21 and another day between 12/09 and 12/14.
Instructor: B Johnson
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)  
37529  
Last day to add: 09/07/18  
WE 08/27/18 12/14/18 07:00AM 09:30AM TTH WEQ W6A  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** D Wood

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)  
37537  
Last day to add: 09/07/18  
WE 08/27/18 12/14/18 07:15AM 08:50AM MWF ATEC 210  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** A Walid

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)  
37528  
Last day to add: 09/07/18  
WE 08/27/18 12/14/18 07:25AM 09:00AM MWF WEQ W6A  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** Staff

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)  
37541  
Last day to add: 09/07/18  
WE 08/27/18 12/14/18 07:25AM 09:00AM MWF WEQ W7  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Higley

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)  
37536  
Last day to add: 09/07/18  
WE 08/27/18 12/14/18 09:10AM 10:45AM MWF WEQ W5  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** S Park

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)  
37530  
Last day to add: 09/07/18  
HYB 08/27/18 12/14/18 09:15AM 10:40AM MW ATEC 210  
HYB0 08/27/18 12/14/18 09:40AM 12:10PM TTH LIBR 108  
The above section is a hybrid class. Computer with Internet access required.  
**Instructor:** B Johnson

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)  
37535  
Last day to add: 09/07/18  
WE 08/27/18 12/14/18 09:40AM 12:10PM TTH WEQ W5  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J DeGuzman

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)  
37549  
Last day to add: 09/07/18  
WE 08/27/18 12/14/18 10:55AM 12:30PM MWF WEQ W4  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** F Gelenchi
<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Last day to add</th>
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<th>Instructor</th>
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<tr>
<td>MAT-35</td>
<td>Intermediate Algebra</td>
<td>5</td>
<td>MAT-52</td>
<td>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)</td>
<td>08/27/18</td>
<td>ATEC 210</td>
<td>B Nguyen</td>
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<td>MAT-35</td>
<td>Intermediate Algebra</td>
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<td>MAT-52</td>
<td>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)</td>
<td>08/27/18</td>
<td>STEM 302</td>
<td>T Malouf</td>
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<td>MAT-35</td>
<td>Intermediate Algebra</td>
<td>5</td>
<td>MAT-52</td>
<td>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)</td>
<td>08/27/18</td>
<td>WEQ W6A</td>
<td>F Gelenchi</td>
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<td>MAT-35</td>
<td>Intermediate Algebra</td>
<td>5</td>
<td>MAT-52</td>
<td>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)</td>
<td>08/27/18</td>
<td>WEQ W6A</td>
<td>S Park</td>
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<tr>
<td>MAT-35</td>
<td>Intermediate Algebra</td>
<td>5</td>
<td>MAT-52</td>
<td>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)</td>
<td>08/27/18</td>
<td>LIBR 108</td>
<td>E Chung</td>
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<td>MAT-35</td>
<td>Intermediate Algebra</td>
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<td>MAT-52</td>
<td>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)</td>
<td>08/27/18</td>
<td>LIBR 108</td>
<td>B Nguyen</td>
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<tr>
<td>MAT-35</td>
<td>Intermediate Algebra</td>
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<td>MAT-52</td>
<td>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)</td>
<td>08/27/18</td>
<td>WEQ W6A</td>
<td>S Park</td>
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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)
37532  Last day to add: 09/07/18
WE 08/27/18  12/14/18  03:30PM  06:00PM  TTH  WEQ W7
The above section is a web-enhanced class. Internet access is required.
Instructor: J DeGuzman

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)
37539  Last day to add: 09/07/18
HYB 08/27/18  12/14/18  03:35PM  05:00PM  TTH  LIBR 108
HYBO 08/27/18  12/14/18  ON LINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: Staff

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)
37527  Last day to add: 09/07/18
WE 08/27/18  12/14/18  04:15PM  06:45PM  MW  ATEC 211
The above section is a web-enhanced class. Internet access is required.
Instructor: J DeGuzman

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)
37531  Last day to add: 09/07/18
WE 08/27/18  12/14/18  06:30PM  09:00PM  TTH  ATEC 210
The above section is a web-enhanced class. Internet access is required.
Instructor: J DeGuzman

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)
37533  Last day to add: 09/07/18
WE 08/27/18  12/14/18  07:00PM  09:30PM  TTH  LIBR 108
The above section is a web-enhanced class. Internet access is required.
Instructor: M Devitt

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)
37525  Last day to add: 09/07/18
WE 08/27/18  12/14/18  07:15PM  09:45PM  MW  ATEC 211
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
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 Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors. 72 hours lecture. (Letter Grade or Pass/No Pass option)
37553  Last day to add: 09/07/18
OL 08/27/18  12/14/18  ON LINE
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 10/17 to 10/21 and another day between 12/09 and 12/14.
Instructor: R Prior

MAT-36 Trigonometry 4 UNITS
Prerequisite: MAT-35 and MAT-53
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 Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors. 72 hours lecture. (Letter Grade or Pass/No Pass option)
37551  Last day to add: 09/07/18
WE 08/27/18  12/14/18  09:30AM  10:45AM  MW  WEQ W7
The above section is a web-enhanced class. Internet access is required.
Instructor: J Higley
MAT-36  Trigonometry  4 UNITS  
**Prerequisite:** MAT-35 and MAT-53  
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 Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors.  
72 hours lecture. (Letter Grade or Pass/No Pass option)  
**HYB** 08/27/18 12/14/18 11:15AM 12:30PM MW WEQ W7  
**HYBO** 08/27/18 12/14/18 12:30PM WEQ W7  
The above section is a hybrid class. Computer with Internet access required.  
**Instructor:** Staff

MAT-36  Trigonometry  4 UNITS  
**Prerequisite:** MAT-35 and MAT-53  
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 Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors.  
72 hours lecture. (Letter Grade or Pass/No Pass option)  
**HYB** 08/27/18 12/14/18 02:45PM 04:00PM MW WEQ W5  
**HYBO** 08/27/18 12/14/18 04:00PM WEQ W5  
The above section is a hybrid class. Computer with Internet access required.  
**Instructor:** Staff

MAT-36  Trigonometry  4 UNITS  
**Prerequisite:** MAT-35 and MAT-53  
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 Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors.  
72 hours lecture. (Letter Grade or Pass/No Pass option)  
**LEC** 08/27/18 12/14/18 03:00PM 05:05PM MW ERHS C211  
The above section is restricted to Eleanor Roosevelt High School students only.  
**Instructor:** T Young

MAT-36  Trigonometry  4 UNITS  
**Prerequisite:** MAT-35 and MAT-53  
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 Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors.  
72 hours lecture. (Letter Grade or Pass/No Pass option)  
**LEC** 08/27/18 12/14/18 03:00PM 05:05PM TTH  
The above section is restricted to Norco High School students only.  
**Instructor:** Staff

MAT-36  Trigonometry  4 UNITS  
**Prerequisite:** MAT-35 and MAT-53  
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 Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors.  
72 hours lecture. (Letter Grade or Pass/No Pass option)  
**LEC** 08/27/18 12/14/18 03:00PM 05:05PM TTH  
The above section is restricted to Norco High School students only.  
**Instructor:** Staff

MAT-36  Trigonometry  4 UNITS  
**Prerequisite:** MAT-35 and MAT-53  
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 Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors.  
72 hours lecture. (Letter Grade or Pass/No Pass option)  
**HYB** 08/27/18 12/14/18 04:15PM 06:20PM MW LIBR 108  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** B Nguyen

MAT-36  Trigonometry  4 UNITS  
**Prerequisite:** MAT-35 and MAT-53  
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 Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors.  
72 hours lecture. (Letter Grade or Pass/No Pass option)  
**HYB** 08/27/18 12/14/18 06:30PM 08:35PM TTH ATEC 204  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** S Borissova

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.  
**LEC** 08/27/18 12/14/18 10:05AM 12:00PM MWF ATEC 211  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Frewing

**HYB** - Hybrid Lecture  
**HYBL** - Hybrid Lab  
**HYBLO** - Hybrid Online Lab  
**HYBO** - Hybrid Online Lecture  
**LAB** - Lab  
**LEC** - Lecture  
**OL** - Online Lecture  
**OLL** - Online Lab  
**WE** - Web Enhanced Lecture  
**WEL** - Web Enhanced Lab  
**WRK** - Work Experience Lecture  
**WRKH** - Hybrid Work Experience  
**WRKO** - Work Experience Online  
Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!   
https://www.bkstr.com/norcocollegestore/
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.
Instructor: Staff

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.
Instructor: J La Turno

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.
Instructor: J La Turno

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.
Instructor: Staff

MAT-52  Elementary Algebra  4 UNITS
Prerequisite: MAT-64, 65, 90F or qualifying placement level
Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)
Instructor: Staff

MAT-52  Elementary Algebra  4 UNITS
Prerequisite: MAT-64, 65, 90F or qualifying placement level
Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)
Instructor: S Park

MAT-52  Elementary Algebra  4 UNITS
Prerequisite: MAT-64, 65, 90F or qualifying placement level
Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)
Instructor: L Ting
MAT-52  Elementary Algebra  4 UNITS
Prerequisite: MAT-64, 65, 90F or qualifying placement level
Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)
37573  Last day to add: 09/07/18
OL  08/27/18  12/14/18  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: R Prior

MAT-52  Elementary Algebra  4 UNITS
Prerequisite: MAT-64, 65, 90F or qualifying placement level
Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)
37564  Last day to add: 09/07/18
WE  08/27/18  12/14/18  07:20AM  09:25AM  TTH  LIBR 108
The above section is a web-enhanced class. Internet access is required.
Instructor: A Walid

MAT-52  Elementary Algebra  4 UNITS
Prerequisite: MAT-64, 65, 90F or qualifying placement level
Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)
37559  Last day to add: 09/07/18
WE  08/27/18  12/14/18  07:45AM  09:00AM  MWF  LIBR 108
The above section is a web-enhanced class. Internet access is required.
Instructor: M Zeller

MAT-52  Elementary Algebra  4 UNITS
Prerequisite: MAT-64, 65, 90F or qualifying placement level
Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)
37569  Last day to add: 09/07/18
WE  08/27/18  12/14/18  09:30AM  10:45AM  MWF  WEQ W6A
The above section is a web-enhanced class. Internet access is required.
Instructor: E Hwang

MAT-52  Elementary Algebra  4 UNITS
Prerequisite: MAT-64, 65, 90F or qualifying placement level
Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)
37561  Last day to add: 09/07/18
WE  08/27/18  12/14/18  01:00PM  02:15PM  MWF  ATEC 204
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

MAT-52  Elementary Algebra  4 UNITS
Prerequisite: MAT-64, 65, 90F or qualifying placement level
Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)
37572  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:00PM  04:05PM  TTH  ATEC 211
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

MAT-52  Elementary Algebra  4 UNITS
Prerequisite: MAT-64, 65, 90F or qualifying placement level
Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)
37571  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:45PM  04:00PM  MWF  ATEC 211
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

MAT-52  Elementary Algebra  4 UNITS
Prerequisite: MAT-64, 65, 90F or qualifying placement level
Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)
37560  Last day to add: 09/07/18
WE  08/27/18  12/14/18  04:15PM  06:20PM  MW  WEQ W4
The above section is a web-enhanced class. Internet access is required.
Instructor: P Singh
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<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
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<td>MAT-52</td>
<td>Elementary Algebra</td>
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<td>MAT-64, 65, 90F or qualifying placement level</td>
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<td>Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)</td>
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<td>MAT-53</td>
<td>College Geometry</td>
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<td>MAT-52</td>
<td>Description: A course covering the study of plane geometry and three dimensional figures. These topics include angles, triangles, quadrilaterals, circles and solids, their formulas for measuring such figures, including perimeter, area and volume. Students create proofs of geometric concepts using postulates and theorems associated with geometric objects and their characteristics. 54 hours lecture.</td>
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<td>Last day to add: 09/07/18&lt;br&gt;WE 08/27/18 12/14/18 04:15PM 05:40PM TTH HUN 102</td>
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<td>MAT-64</td>
<td>Pre-Algebra</td>
<td>3</td>
<td>MAT-63 or MAT-90C</td>
<td>Description: An introduction to the notion of algebra and its uses. Includes integers, equations, and polynomials as well as topics from arithmetic. Designed as a transition from arithmetic to elementary algebra. 54 hours lecture. (Non-degree credit course. Letter Grade, or Pass/No Pass option.)</td>
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<tr>
<td>MAT-65</td>
<td>Arithmetic and Pre-Algebra</td>
<td>5</td>
<td>None</td>
<td>Description: Study of the four basic operations applied to whole numbers, integers, fractions, mixed numbers, and decimals, to include application to real-world problems along with an introduction to the notion of algebra and its uses. (Non-degree credit course.)</td>
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MAT-65 Arithmetic and Pre-Algebra 5 UNITS
Prerequisite: None.
Description: Study of the four basic operations applied to whole numbers, integers, fractions, mixed numbers, and decimals, to include application to real-world problems along with an introduction to the notion of algebra and its uses. (Non-degree credit course.)
Instructor: B Kerr

MAT-65 Arithmetic and Pre-Algebra 5 UNITS
Prerequisite: None.
Description: Study of the four basic operations applied to whole numbers, integers, fractions, mixed numbers, and decimals, to include application to real-world problems along with an introduction to the notion of algebra and its uses. (Non-degree credit course.)
Instructor: J Frewing

MAT-65 Arithmetic and Pre-Algebra 5 UNITS
Prerequisite: None.
Description: Study of the four basic operations applied to whole numbers, integers, fractions, mixed numbers, and decimals, to include application to real-world problems along with an introduction to the notion of algebra and its uses. (Non-degree credit course.)
Instructor: E Hwang

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 hours laboratory.
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.
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.
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.
Instructor: B Kerr
MIS-3  Digital Audio Production I  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.
37589  Last day to add: 09/07/18
WE  08/27/18  12/14/18  03:25PM  04:50PM  MW  IT 106
WEL  08/27/18  12/14/18  05:00PM  06:25PM  MW  IT 106
The above section is a web-enhanced class. Internet access is required.
Instructor: T Walton

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.
37591  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:00AM  09:05AM  M  IT 106
WE2  08/27/18  12/14/18  08:00AM  08:50AM  W  IT 106
WEL  08/27/18  12/14/18  09:15AM  10:40AM  MW  IT 106
The above section is a web-enhanced class. Internet access is required.
Instructor: B Kerr

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)
37583  Last day to add: 09/07/18
WEL  08/27/18  12/14/18  04:15PM  06:10PM  TH  THTR 204
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: T Walton

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)
37584  Last day to add: 09/27/18
WEL  08/27/18  12/14/18  04:15PM  06:10PM  TH  THTR 204
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: T Walton

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.
37592  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:30PM  09:40PM  T  JFK 112
The above section is a web-enhanced class. Internet access is required.
Instructor: M Ferguson
MUS-3 Fundamentals of Music 4 UNITS
Prerequisite: None
Advisory: Concurrent enrollment in an appropriate level piano class
Description: Basic course in music theory designed to develop an understanding of notation, rhythm, pitch, keys, modes, scales, intervals, chords and music terminology. Basic sight singing, dictation and music reading at the piano. 54 hours lecture and 54 hours laboratory. (TBA option)

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.

MUS-5 Music Theory II 4 UNITS
Prerequisite: MUS-4 or the equivalent
Advisory: Concurrent enrollment in an appropriate level piano class
Description: This course incorporates the concepts from Music Theory I. In addition, through guided composition and analysis, the course will include: 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. Lab includes chromatic sight singing and ear training including melodic, harmonic and rhythmic dictation. Keyboard requirements include playing chromatic chord progressions. 54 hours lecture and 54 hours laboratory. (TBA option)

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.

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.

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.

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.

OL 08/27/18 12/14/18
08:30AM 09:20AM W HUM 101
The above section is a web-enhanced class. Internet access is required.
Instructor: K Kamerin

WEL 08/27/18 12/14/18
08:50AM 09:40AM M HUM 101
The above section is a web-enhanced class. Internet access is required.
Instructor: Kamerin

OL 08/27/18 12/14/18
08:30AM 09:20AM W HUM 101
The above section is a web-enhanced class. Internet access is required.
Instructor: Kamerin

WE2 08/27/18 12/14/18
07:40AM 08:30AM WF HUM 101

WE 08/27/18 12/14/18
07:40AM 08:30AM WF HUM 101

WE 08/27/18 12/14/18
07:40AM 08:30AM WF HUM 101

WE 08/27/18 12/14/18
07:40AM 08:30AM WF HUM 101
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.
37598  Last day to add: 09/07/18
LAB  08/27/18  12/14/18  02:30PM  03:55PM  MW  HUM 101
Instructor: N Pirozzi

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.
37599  Last day to add: 09/07/18
LAB  08/27/18  12/14/18  02:30PM  03:55PM  MW  HUM 101
Instructor: N Pirozzi

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.
37600  Last day to add: 09/07/18
LAB  08/27/18  12/14/18  02:30PM  03:55PM  MW  HUM 101
Instructor: N Pirozzi

MUS-37  Class Guitar  1 UNIT
Prerequisite: None
Description: Development of basic guitar playing skills, including reading from music notation, reading chord symbols, transposition, and playing open chords, barre chords, scales, and simple melodies. 54 hours laboratory.
37601  Last day to add: 09/07/18
LAB  08/27/18  12/14/18  04:15PM  05:40PM  MW  THTR 204
Instructor: Staff

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.
37602  Last day to add: 09/29/18
WEL  08/27/18  12/14/18
The above section is a web-enhanced class and has a 108-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass or drums. An audition is required. A mandatory instructional meeting will be held on Thursday, August 31st, 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@norcocolege.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.
37603  Last day to add: 09/29/18
WEL  08/27/18  12/14/18
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 Thursday, August 31st 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. 9 hours of lessons and 9 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 9 hours each week. For additional information, please email the instructor. kim.kamerin@norcocolege.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)
37604 Last day to add: 09/28/18
WEL 08/27/18 12/14/18 11:15AM 12:35PM MWF THTR 204
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-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.
37838 Last day to add: 09/07/18
WEL 08/27/18 12/14/18 06:00PM 07:15PM MW THTR 204
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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)
37606 Last day to add: 09/28/18
WEL 08/27/18 12/14/18
The above section is a web-enhanced class and has a 108-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass or drums. An audition is required. A mandatory instructional meeting will be held on Thursday, August 31st from 12:50PM - 1:50PM in THTR 101. If you cannot attend the meeting, you must contact the instructor to schedule an audition. The deadline to schedule auditions is Friday, September 1st. 6 hours of lessons and 6 hours of required performance times are to be arranged with your instructor. In addition, students are required to practice in the Norco music practice facilities for 6 hours each week. For additional information, please email the instructor. kim.kamerin@norcocollege.edu or call 951-738-7703.
Instructor: K Kamerin

MUS-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.
37607 Last day to add: 09/29/18
WEL 08/27/18 12/14/18
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 Thursday, August 31st 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. 9 hours of lessons and 9 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 9 hours each week. For additional information, please email the instructor. kim.kamerin@norcocollege.edu or call 951-738-7703.
Instructor: K Kamerin

MUS-89 Music of Multicultural America 3 UNITS
Prerequisite: None. Limitation on enrollment: Audition on or before first class meeting.
Description: A comparative and integrative study of the multicultural musical styles of the United States.
37608 Last day to add: 09/07/18
OL 08/27/18 12/14/18 ON LINE
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.
37613 Last day to add: 09/07/18
OL 08/27/18 12/14/18 ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: I Montes
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.

37610  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:00AM  09:25AM  TTH  HUM 102
The above section is a web-enhanced class. Internet access is required.
Instructor: J Sentmanat

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.

37612  Last day to add: 09/07/18
WE  08/27/18  12/14/18  09:40AM  11:05AM  TTH  ATEC 205
The above section is a web-enhanced class. Internet access is required.
Instructor: J Sentmanat

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.

37611  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:00PM  03:25PM  TTH  STEM 302
The above section is a web-enhanced class. Internet access is required.
Instructor: J Sentmanat

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.

37609  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  M  LIBR 110
The above section is a web-enhanced class. Internet access is required.
Instructor: M Murphey

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.

37614  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  TH  ATEC 114
The above section is a web-enhanced class. Internet access is required.
Instructor: M Murphey

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.

37618  Last day to add: 09/07/18
OL  08/27/18  12/14/18  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: L Montes

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.

37619  Last day to add: 09/07/18
WE  08/27/18  12/14/18  07:00AM  08:35AM  TTH  IT 209
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.

37616  Last day to add: 09/07/18
WE  08/27/18  12/14/18  10:30AM  02:35PM  F  ATEC 205
The above section is a web-enhanced class. Internet access is required.
Instructor: T Farmer
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.
Instructor: J. Gill

PHI-12 Ethics: Contemp Moral Issues 3 UNITS
Prerequisite: None.
Description: An examination of contemporary moral problems in light of ethical theory.
Instructor: J. Sentmanat

PHI-35 Philosophy of Religion 3 UNITS
Prerequisite: None.
Advisory: PHI-10 or PHI-11 and REA-83 and qualification for ENG-1A
Description: An introduction to the examination of religious claims from a philosophical perspective. Emphasis will be placed upon examining the rational justification for various traditional faith claims, and upon examining the relationship between rationality and faith. The course presumes a basic knowledge of philosophical argumentation. 54 hours lecture.
Instructor: J. Sentmanat

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)
Instructor: O Tripathi

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.
Instructor: D. Johnson
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.  
37629   Last day to add: 09/07/18  
WE  08/27/18  12/14/18  11:00AM  12:25PM  MW  HUM 201  
WEL  08/27/18  12/14/18  02:00PM  05:10PM  M  HUM 201  
The above section is a web-enhanced class. Internet access is required.  
Instructor: S Abachi

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.  
37624   Last day to add: 09/07/18  
LEC  08/27/18  12/14/18  04:15PM  05:40PM  TTH  IT 101  
Instructor: D Johnson

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.  
37623   Last day to add: 09/07/18  
LEC  08/27/18  12/14/18  06:00PM  07:25PM  MW  HUM 201  
Instructor: Staff

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.  
37625   Last day to add: 09/07/18  
LAB  08/27/18  12/14/18  06:00PM  09:10PM  TH  HUM 201  
Instructor: O Tripathi

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.  
37641   Last day to add: 09/07/18  
OL  08/27/18  12/14/18  ON LINE  
The above section is an online class. Computer with Internet access required.  
Instructor: S Popiden

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.  
37932   Last day to add: 09/07/18  
OL  08/27/18  12/14/18  ON LINE  
The above section is an online class. Computer with Internet access required.  
Instructor: S Popiden

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.  
37644   Last day to add: 09/07/18  
WE  08/27/18  12/14/18  08:00AM  09:25AM  TTH  IT 122  
The above section is a web-enhanced class. Internet access is required.  
Instructor: R Brown

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.  
37630   Last day to add: 09/07/18  
WE  08/27/18  12/14/18  09:15AM  10:40AM  MW  IT 122  
The above section is a web-enhanced class. Internet access is required.  
Instructor: C Meffatt
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.
37634  Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:00AM 12:25PM MW IT 122
The above section is a web-enhanced class. Internet access is required.
Instructor: C Moffatt

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.
37633  Last day to add: 09/07/18
WE 08/27/18 12/14/18 11:15AM 12:40PM TTH LIBR 110
The above section is a web-enhanced class. Internet access is required.
Instructor: K Kazanjian

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.
37642  Last day to add: 09/07/18
WE 08/27/18 12/14/18 12:45PM 02:10PM MW STEM 201
The above section is a web-enhanced class. Internet access is required.
Instructor: K Kazanjian

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.
37635  Last day to add: 09/07/18
WE 08/27/18 12/14/18 02:40PM 04:05PM MW WEQ W3
The above section is a web-enhanced class. Internet access is required.
Instructor: C Samuels

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.
37636  Last day to add: 09/07/18
WE 08/27/18 12/14/18 04:15PM 05:40PM MW THTR 101
The above section is a web-enhanced class. Internet access is required.
Instructor: F Carballo

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.
37638  Last day to add: 09/07/18
WE 08/27/18 12/14/18 04:15PM 05:40PM MW IT 122
The above section is a web-enhanced class. Internet access is required.
Instructor: K Kazanjian

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.
37643  Last day to add: 09/07/18
WE 08/27/18 12/14/18 04:15PM 05:40PM TTH IT 122
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.
37639  Last day to add: 09/07/18
WE 08/27/18 12/14/18 06:00PM 09:10PM M THTR 101
The above section is a web-enhanced class. Internet access is required.
Instructor: E Kehlenbach
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. 
37631  Last day to add: 09/07/18 
WE  08/27/18 12/14/18  06:00PM  09:10PM  T  THTR 101 
The above section is a web-enhanced class. Internet access is required. 
Instructor: C Samuels 

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. 
37640  Last day to add: 09/07/18 
WE  08/27/18 12/14/18  06:00PM  09:10PM  W  IT 202 
The above section is a web-enhanced class. Internet access is required. 
Instructor: C Samuels 

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. 
37632  Last day to add: 09/07/18 
WE  08/27/18 12/14/18  06:00PM  09:10PM  TH  STEM 201 
The above section is a web-enhanced class. Internet access is required. 
Instructor: C Samuels 

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. 
37646  Last day to add: 09/07/18 
WE  08/27/18 12/14/18  09:40AM  11:05AM  TTH  IT 122 
The above section is a web-enhanced class. Internet access is required. 
Instructor: R Brown 

POL-13  Introduction American Foreign Policy  3 UNITS
Prerequisite: None
Advisory: Qualification for ENG-1A
Description: The goal of this course is to provide students with comprehensive and critical coverage of U.S. foreign policy since W.W.II. Through a coherent chronological narrative, the course traces the evolution of U.S. foreign policy from its assumption of world leadership during and after World War II to its present concerns with sprouting democracies, a militarized policy, and global economic and political interdependence. 54 hours lecture. 
37645  Last day to add: 09/07/18 
WE  08/27/18 12/14/18  02:00PM  03:25PM  TTH  IT 122 
The above section is a web-enhanced class. Internet access is required. 
Instructor: R Brown 

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. 
37648  Last day to add: 09/07/18 
OL  08/27/18 12/14/18  ON LINE 
The above section is an online class. Computer with Internet access required. See www.opencampus.com. 
Instructor: L Adams 

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. 
37655  Last day to add: 09/07/18 
OL  08/27/18 12/14/18  ON LINE 
The above section is an online class. Computer with Internet access required. See www.opencampus.com. 
Instructor: L Adams 

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. 
37833  Last day to add: 09/07/18 
WE  08/27/18 12/14/18  09:15AM  10:40AM  MW  IT 202 
The above section is a web-enhanced class. Internet access is required. 
Instructor: Staff
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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Last day to add:</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
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<td>PSY-1</td>
<td>General Psychology</td>
<td>3</td>
<td>None</td>
<td>Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.</td>
<td>09/07/18</td>
<td>09:40AM 11:05AM</td>
<td>TH IT 202</td>
<td>G Germo</td>
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<tr>
<td>PSY-1</td>
<td>General Psychology</td>
<td>3</td>
<td>None</td>
<td>Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.</td>
<td>09/07/18</td>
<td>11:00AM 02:10PM</td>
<td>F IT 122</td>
<td>B Adams</td>
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<td>PSY-1</td>
<td>General Psychology</td>
<td>3</td>
<td>None</td>
<td>Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.</td>
<td>09/07/18</td>
<td>02:30PM 03:55PM</td>
<td>MW IT 202</td>
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<td>General Psychology</td>
<td>3</td>
<td>None</td>
<td>Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.</td>
<td>09/07/18</td>
<td>04:15PM 05:40PM</td>
<td>MW IT 202</td>
<td>N Hightower</td>
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<td>PSY-1</td>
<td>General Psychology</td>
<td>3</td>
<td>None</td>
<td>Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.</td>
<td>09/07/18</td>
<td>04:15PM 05:40PM</td>
<td>TTH IT 202</td>
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<td>PSY-1</td>
<td>General Psychology</td>
<td>3</td>
<td>None</td>
<td>Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.</td>
<td>09/07/18</td>
<td>06:00PM 09:10PM</td>
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<td>L Crawford</td>
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<td>PSY-1</td>
<td>General Psychology</td>
<td>3</td>
<td>None</td>
<td>Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.</td>
<td>09/07/18</td>
<td>09:40AM 11:05AM</td>
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<td>W Holmquist</td>
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<td>PSY-1</td>
<td>General Psychology</td>
<td>3</td>
<td>None</td>
<td>Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.</td>
<td>09/07/18</td>
<td>11:15AM 12:40PM</td>
<td>TH IT 122</td>
<td>L Adams</td>
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<td>PSY-1</td>
<td>General Psychology</td>
<td>3</td>
<td>None</td>
<td>Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.</td>
<td>09/07/18</td>
<td>12:25PM 02:10PM</td>
<td>MW IT 202</td>
<td>L Adams</td>
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<td>PSY-1</td>
<td>General Psychology</td>
<td>3</td>
<td>None</td>
<td>Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.</td>
<td>09/07/18</td>
<td>11:00AM 12:25PM</td>
<td>MW IT 202</td>
<td>L Adams</td>
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</table>

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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Last day to add</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>PSY-9</td>
<td>Developmental Psychology</td>
<td>3</td>
<td>None</td>
<td>This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.</td>
<td>09/07/18</td>
<td>K Zamiska</td>
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<tr>
<td>PSY-9</td>
<td>Developmental Psychology</td>
<td>3</td>
<td>None</td>
<td>Theory, research, and application of life span relevant material in psychology are presented.</td>
<td>09/07/18</td>
<td>J Hicks</td>
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<tr>
<td>PSY-9</td>
<td>Developmental Psychology</td>
<td>3</td>
<td>None</td>
<td>Theory, research, and application of life span relevant material in psychology are presented.</td>
<td>09/07/18</td>
<td>Staff</td>
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<tr>
<td>PSY-9</td>
<td>Developmental Psychology</td>
<td>3</td>
<td>None</td>
<td>Theory, research, and application of life span relevant material in psychology are presented.</td>
<td>09/07/18</td>
<td>H Alvarado</td>
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<tr>
<td>PSY-9</td>
<td>Developmental Psychology</td>
<td>3</td>
<td>None</td>
<td>Theory, research, and application of life span relevant material in psychology are presented.</td>
<td>09/07/18</td>
<td>G Germo</td>
</tr>
<tr>
<td>PSY-9</td>
<td>Developmental Psychology</td>
<td>3</td>
<td>None</td>
<td>Theory, research, and application of life span relevant material in psychology are presented.</td>
<td>09/07/18</td>
<td>W Holquist</td>
</tr>
</tbody>
</table>

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**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.

37660  Last day to add: 09/07/18
WE 08/27/18  12/14/18  06:00PM  09:10PM  T  ATEC 205
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.

37661  Last day to add: 09/07/18
WE 08/27/18  12/14/18  09:40AM  11:05AM  TTH  IT 101
The above section is a web-enhanced class. Internet access is required.
Instructor: K Zamiska

**PSY-50  Research Methods in Psychology  4 UNITS**
Prerequisite: PSY-1 and MAT-12 or MAT-12H
Description: This course 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.

37662  Last day to add: 09/07/18
WE 08/27/18  12/14/18  12:30PM  02:25PM  MW  WEQ W68
WEL 08/27/18  12/14/18  10:25AM  11:50AM  W  STEM 302
The above section is a web-enhanced class. Internet access is required.
Instructor: K Zamiska

**REA-4  Critical Reading as Critical Thinking  3 UNITS**
Prerequisite: None
Advisory: Qualification for ENG-1A
Description: This course is intended for students to fully understand 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.

37915  Last day to add: 09/07/18
LEC 08/27/18  12/14/18  11:00AM  02:10PM  F  IT 210
Instructor: M Sloniger

**REA-83  College Reading and Thinking  3 UNITS**
Prerequisite: REA-82 or ESL-73 or qualifying placement level
Description: Intended for students who experience moderate difficulty in reading college-level material. Instruction in reading skills at a more advanced level than those covered in REA-82. 54 hours lecture. (Non-degree credit course. Letter Grade or Pass/No Pass option.)

37680  Last day to add: 09/07/18
OL 08/27/18  12/14/18  ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: P Van Osterhoudt

**REA-83  College Reading and Thinking  3 UNITS**
Prerequisite: REA-82 or ESL-73 or qualifying placement level
Description: Intended for students who experience moderate difficulty in reading college-level material. Instruction in reading skills at a more advanced level than those covered in REA-82. 54 hours lecture. (Non-degree credit course. Letter Grade or Pass/No Pass option.)

37689  Last day to add: 09/07/18
LEC 08/27/18  12/14/18  08:00AM  09:25AM  TTH  LIBR 110
Instructor: M Sloniger

**REA-83  College Reading and Thinking  3 UNITS**
Prerequisite: REA-82 or ESL-73 or qualifying placement level
Description: Intended for students who experience moderate difficulty in reading college-level material. Instruction in reading skills at a more advanced level than those covered in REA-82. 54 hours lecture. (Non-degree credit course. Letter Grade or Pass/No Pass option.)

37903  Last day to add: 09/07/18
LEC 08/27/18  12/14/18  09:15AM  10:40AM  MW  LIBR 110
Instructor: M Sloniger

**REA-83  College Reading and Thinking  3 UNITS**
Prerequisite: REA-82 or ESL-73 or qualifying placement level
Description: Intended for students who experience moderate difficulty in reading college-level material. Instruction in reading skills at a more advanced level than those covered in REA-82. 54 hours lecture. (Non-degree credit course. Letter Grade or Pass/No Pass option.)

37901  Last day to add: 09/07/18
LEC 08/27/18  12/14/18  09:40AM  11:05AM  TTH  LIBR 110
Instructor: M Sloniger
### REAL ESTATE

**REA-83  College Reading and Thinking**  
3 UNITS  
Prerequisite: REA-82 or ESL-73 or qualifying placement level  
Description: Intended for students who experience moderate difficulty in reading college-level material. Instruction in reading skills at a more advanced level than those covered in REA-82. 54 hours lecture. (Non-degree credit course. Letter Grade or Pass/No Pass option.)  
37902  
LEC  
08/27/18  12/14/18  
11:00AM  12:25PM  M W  
LIBR 110  
Instructor: M Sloniger

**RL-80  Real Estate Principles**  
3 UNITS  
Prerequisite: None.  
Description: Comprehensive analysis of basic laws, principles, terminology and current practices of California real estate.  
37681  
OL  
08/27/18  10/21/18  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: T Wagner

**RL-80  Real Estate Principles**  
3 UNITS  
Prerequisite: None.  
Description: Comprehensive analysis of basic laws, principles, terminology and current practices of California real estate.  
37682  
OL  
10/22/18  12/14/18  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: L Namazi

**RL-80  Real Estate Principles**  
3 UNITS  
Prerequisite: None.  
Description: Comprehensive analysis of basic laws, principles, terminology and current practices of California real estate.  
37683  
HYB  
09/01/18  10/13/18  08:00AM  10:50AM  S  
HYB  
09/01/18  10/13/18  
The above section is a short term hybrid class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: L Namazi

**RL-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.  
37684  
OL  
08/27/18  10/21/18  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: T Wagner

**RL-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.  
37685  
OL  
10/22/18  12/14/18  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: T Wagner

**RL-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.  
37686  
OL  
08/27/18  10/21/18  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: S Doll

**RL-83  Real Estate Finance**  
3 UNITS  
Prerequisite: None.  
Description: Analysis of real estate finance in residential, apartment, commercial and special purpose properties.  
37687  
OL  
10/22/18  12/14/18  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: S Doll

**RL-83  Real Estate Finance**  
3 UNITS  
Prerequisite: None.  
Description: Analysis of real estate finance in residential, apartment, commercial and special purpose properties.  
37905  
OL  
10/20/18  12/08/18  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. Please note the start and end dates.  
Instructor: L Namazi
### SOCIOLGY

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>SOC-1</td>
<td>Introduction to Sociology</td>
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</table>

#### 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; and social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and 1H.

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

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**SOC-1 Introduction to Sociology**  
3 UNITS  

**Prerequisite:** None  
**Advisory:** ENG-50  
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37832  
**Last day to add:** 09/07/18  
**WE** 08/27/18 12/14/18 12:45PM 02:10PM **MW** IT 209  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Hill  

**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  
37691  
**Last day to add:** 09/07/18  
**WE** 08/27/18 12/14/18 02:30PM 03:55PM **TTH** IT 117  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** R Halili  

**SOC-1 Introduction to Sociology**  
3 UNITS  

**Prerequisite:** None  
**Advisory:** ENG-50  
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37696  
**Last day to add:** 09/07/18  
**WE** 08/27/18 12/14/18 04:15PM 05:40PM **MW** WEQ/W6A  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Hill  

**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  
37699  
**Last day to add:** 09/07/18  
**WE** 08/27/18 12/14/18 04:15PM 05:40PM **TTH** IT 117  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Hill  

**SOC-1 Introduction to Sociology**  
3 UNITS  

**Prerequisite:** None  
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**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  
37700  
**Last day to add:** 09/07/18  
**WE** 08/27/18 12/14/18 06:00PM 09:10PM **W** IT 211  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** F Vu  

**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  
37690  
**Last day to add:** 09/07/18  
**WE** 08/27/18 12/14/18 06:00PM 09:10PM **TH** IT 117  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Hill  

**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  
37692  
**Last day to add:** 09/07/18  
**WE** 08/27/18 12/14/18 06:00PM 09:10PM **TH** WEQ/W6A  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Hill
SOC-1H  Honors Introduction to Sociology  3 UNITS
Prerequisite: None Limitation on enrollment: Enrollment in the RCCD Honors Program
Description: An honors level introduction to the basic concepts relating to the study of social behavior and human groups. This honors level course includes investigation into the foundations of sociology including theoretical perspectives, research methodology, and the components of social structure. Social interaction, culture, and social inequality (including, but not limited to, race, gender, sex, and social class), and dimensions of social change will be examined. Students may not receive credit for both SOC-1 and SOC-1H. 54 hours lecture.
37831  Last day to add: 09/07/18
LEC  08/27/18 12/14/18  11:00AM 12:25PM  MW  IT 208
Instructor: K Andacheh

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.
37704  Last day to add: 09/07/18
WE  08/27/18 12/14/18  02:30PM 03:55PM  MW  WEQ W6B
The above section is a web-enhanced class. Internet access is required.
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
37701  Last day to add: 09/07/18
WE  08/27/18 12/14/18  06:00PM 09:10PM  W  JFK 114
The above section is a web-enhanced class. Internet access is required.
Instructor: J Hill

SOC-12  Marriage and Family Relations  3 UNITS
Prerequisite: None
Advisory: SOC-1 and ENG-50
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 gender 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.
37702  Last day to add: 09/07/18
WE  08/27/18 12/14/18  06:00PM 09:10PM  M  WEQ W6A
The above section is a web-enhanced class. Internet access is required.
Instructor: F Vu

SOC-15  Women Amer Society  3 UNITS
Prerequisite: None.
Description: The social implications of the women's role in American society.
37703  Last day to add: 09/07/18
WE  08/27/18 12/14/18  06:00PM 09:10PM  TH  IT 117
The above section is a web-enhanced class. Internet access is required.
Instructor: F Vu

SOC-20  Introduction to Criminology  3 UNITS
Prerequisite: None.
Description: A sociological analysis of crime, criminal law and criminality.
37705  Last day to add: 09/07/18
WE  08/27/18 12/14/18  06:00PM 09:10PM  T  IT 101
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.
37706  Last day to add: 09/07/18
LEC  08/27/18 12/14/18  09:15AM 10:40AM  MW  IT 117
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: This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

Last day to add: 09/07/18

<table>
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<tr>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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<tr>
<td>HYB 37713</td>
<td>08/27/18 12/14/18 08:00AM</td>
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<tr>
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<td>TUE</td>
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<tr>
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<td>08/27/18 12/14/18 12:30PM</td>
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The above section is a hybrid class. Computer with Internet access required.

Instructor: D Hitchcock

SPAN-1 Spanish 1 5 UNITS

Prerequisite: None
Advisory: Completion of placement test to assess level of proficiency in Spanish.
Description: This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

Last day to add: 09/12/18

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<td>09/01/18 12/08/18 12:30PM</td>
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The above section is a short term hybrid class. Computer with Internet access required.

Instructor: Staff

SPAN-1 Spanish 1 5 UNITS

Prerequisite: None
Advisory: Completion of placement test to assess level of proficiency in Spanish.
Description: This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

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<td>W</td>
<td>LIBR 121</td>
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<tr>
<td>HYBL 37710</td>
<td>08/27/18 12/14/18 02:45PM</td>
<td>R</td>
<td>LIBR 121</td>
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The above section is a web-enhanced class. Internet access is required.

Instructor: A Covarrubias
SPA-1  Spanish 1  5 UNITS
Prerequisite: None
Advisory: Completion of placement test to assess level of proficiency in Spanish.
Description: This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)
37926  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:00PM  05:10PM  TH  LIBR 109
WE2  08/27/18  12/14/18  02:00PM  04:05PM  T  LIBR 121
WEL  08/27/18  12/14/18  04:10PM  05:00PM  T  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

Instructor: A Lomeli Gomez

SPA-1  Spanish 1  5 UNITS
Prerequisite: None
Description: This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)
37708  Last day to add: 09/07/18
WE  08/27/18  12/14/18  03:00PM  06:10PM  W  LIBR 109
WE2  08/27/18  12/14/18  03:00PM  05:05PM  M  LIBR 121
WEL  08/27/18  12/14/18  05:10PM  06:00PM  M  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: A Covarrubias

Instructor: A Lomeli Gomez

SPA-1  Spanish 1  5 UNITS
Prerequisite: None
Advisory: Completion of placement test to assess level of proficiency in Spanish.
Description: This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)
37939  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:00PM  05:10PM  TH  LIBR 109
WE2  08/27/18  12/14/18  02:00PM  04:05PM  T  LIBR 121
WEL  08/27/18  12/14/18  04:10PM  05:00PM  T  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: J Vejar

SPA-1  Spanish 1  5 UNITS
Prerequisite: None
Advisory: Completion of placement test to assess level of proficiency in Spanish.
Description: This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)
37926  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:00PM  05:10PM  TH  LIBR 109
WE2  08/27/18  12/14/18  02:00PM  04:05PM  T  LIBR 121
WEL  08/27/18  12/14/18  04:10PM  05:00PM  T  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

SPA-2  Spanish 2  5 UNITS
Prerequisite: SPA-1 or SPA-1H, or qualifying placement level on the Spanish assessment test or the equivalent
Advisory: Completion of placement test to assess level of proficiency in Spanish.
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.)
37712  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:20PM  09:30PM  M  LIBR 109
WE2  08/27/18  12/14/18  06:20PM  08:25PM  W  LIBR 121
WEL  08/27/18  12/14/18  08:30PM  09:20PM  W  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: C Solorzano

Instructor: A Covarrubias

SPA-2  Spanish 2  5 UNITS
Prerequisite: SPA-1 or SPA-1H, or qualifying placement level on the Spanish assessment test or the equivalent
Advisory: Completion of placement test to assess level of proficiency in Spanish.
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.)
37717  Last day to add: 09/07/18
WE  08/27/18  12/14/18  08:00AM  11:10AM  M  LIBR 109
WE2  08/27/18  12/14/18  08:00AM  10:05AM  W  LIBR 121
WEL  08/27/18  12/14/18  10:10AM  11:00AM  W  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: A Covarrubias

Instructor: A Covarrubias
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.)

37927  Last day to add: 09/07/18
WE  08/27/18  12/14/18  02:00PM  05:10PM  T  LIBR 109
WE2  08/27/18  12/14/18  02:00PM  04:05PM  TH  LIBR 121
WEL  08/27/18  12/14/18  04:10PM  05:00PM  TH  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: D Hitchcock

SPA-3  Spanish 3  5 UNITS
Prerequisite: SPA-2 or SPA-2H or qualifying placement level on the Spanish assessment test or the equivalent
Description: Development of intermediate skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the intermediate level. This course 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.)

37825  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:20PM  09:30PM  W  LIBR 109
WE2  08/27/18  12/14/18  06:20PM  08:25PM  M  LIBR 121
WEL  08/27/18  12/14/18  08:35PM  09:25PM  M  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: N Guillen

SPA-11  Culture and Civilization  3 UNITS
Prerequisite: None.
Description: Introductory survey of Spanish culture and civilization. Class conducted in English.

37826  Last day to add: 09/07/18
WE  08/27/18  12/14/18  11:25AM  12:50PM  TH  LIBR 121
The above section is a web-enhanced class. Internet access is required.
Instructor: P Rivera

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.

37719  Last day to add: 09/04/18
OL  08/27/18  10/21/18  ON LINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: M Gourley

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.

37721  Last day to add: 09/04/18
OL  08/27/18  10/21/18  ON LINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: H Bauer

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.

37723  Last day to add: 10/30/18
OL  10/22/18  12/14/18  ON LINE
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: C Sorenson
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.

37722  Last day to add: 09/07/18
WE  08/27/18  12/14/18  01:55PM  03:20PM  TTH  THTR 101
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.

37720  Last day to add: 09/07/18
WE  08/27/18  12/14/18  06:00PM  09:10PM  W  THTR 101
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.

37724  Last day to add: 09/07/18
LEC  08/27/18  12/14/18  03:25PM  04:30PM  T  THTR 101
LEC2  08/27/18  12/14/18  03:25PM  04:15PM  TH  THTR 101
LAB  08/27/18  12/14/18  04:30PM  05:55PM  TTH  THTR 101
Instructor: Staff

WKX-200  Work Experience  1 UNIT
Prerequisite: None
Advisory: Students should have paid or voluntary employment
Description: This course is designed to coordinate the students occupational on-the-job training with related instruction in work-related skills, including occupational and educational resources, career planning, resume development and interview techniques. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement; 60 hours of volunteer work or 75 hours of paid work in the semester are required for each unit. WKX-200 is an enrolling course for General Work Experience and Occupational Work Experience courses. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting. Determination of the appropriate work experience course is made by the instructor, with input from the student, based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 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.

37725  Last day to add: 09/07/18
WRKO  08/27/18  12/14/18  ON LINE
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. In addition to the online lecture, students are required to attend one, one hour orientation at Norco College the first week of the semester. The orientations have been scheduled for: August 27th: 4:00pm, 5:00pm, and 6:00pm, ATEC 119 August 29th: 4:00pm, 5:00pm, and 6:00pm, ATEC 119 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
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<th>WKX-200</th>
<th>Work Experience</th>
<th>1 UNIT</th>
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<td><strong>Prerequisite:</strong> None</td>
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<tr>
<td><strong>Advisory:</strong> Students should have paid or voluntary employment</td>
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<td><strong>Description:</strong> This course is designed to coordinate the students' occupational on-the-job training with related instruction in work-related skills, including occupational and educational resources, career planning, resume development and interview techniques. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement; 60 hours of volunteer work or 75 hours of paid work in the semester are required for each unit. WKX-200 is an enrolling course for General Work Experience and Occupational Work Experience courses. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting. Determination of the appropriate work experience course is made by the instructor, with input from the student, based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 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.</td>
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<td><strong>Instructor:</strong> M Snow</td>
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I am a veteran of the United States Navy and served two tours overseas before leaving the military. I always wanted to attend college and chose Norco College for its welcoming of veterans as well as services and resources.

My plan was to become a police officer and I looked into joining the police force before enrolling in college. After taking a few classes in health and nutrition, I decided to switch my focus and become a kinesiology major with the career goal of being a physical therapist.

During my time at Norco College, I worked for the Veterans Resource Center and made friends with other veterans in the Veteran’s Club. To me, this was instrumental in my success on achieving my goals and learning that I could dream big and not limit myself to a smaller goal.

I transferred to California State University, San Bernardino to earn my bachelor’s degree in kinesiology.

My name is Calvin Klein Gloria and Norco College transformed my life.

Kinesiology
School of STEM
U.S. Navy Veteran

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