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. 30214  Last day to add: 01/06/19
WE 01/02/19 02/07/19 10:45AM 01:05PM MTWH  ATEC 210
Instructor: D. White

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.) 30213  Last day to add: 01/07/19
OL 01/02/19 02/07/19 ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: P. Worsham

ADMINISTRATION OF JUSTICE

ADJ-1  Introduction to the Administration of Justice  3 UNITS
Prerequisite: None
Description: The history and philosophy of administration of justice in America; recapitulation of the system; identifying the various subsystems, role expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. 54 hours lecture. 30001  Last day to add: 01/06/19
WE 01/02/19 02/07/19 06:10PM 09:15PM MTWH  IT 202
The above section is an web-enhanced class. Internet access is required.
Instructor: M. Reid

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.
## ANTHROPOLOGY

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ANT-1</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANT-2</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

### 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.
- **Section 30003:**
  - Last day to add: 01/07/19
  - OL 01/07/19 02/07/19
- On-line

### 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.
- **Section 30199:**
  - Last day to add: 01/07/19
  - OL 01/07/19 02/07/19

### ART

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ART-6</td>
<td>Art Appreciation</td>
<td>3</td>
</tr>
</tbody>
</table>

### 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.)
- **Section 30009:**
  - Last day to add: 01/07/19
  - OL 01/07/19 02/07/19

### ART-1L Physical Anthropology Laboratory 1 UNIT
- **Prerequisite:** None
- **Corequisite:** Concurrent enrollment in or prior completion of ANT-1 or ANT-1H required.
- **Description:** Laboratory course exploring case studies and problems of human genetics, human evolution, 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.
- **Section 30198:**
  - Last day to add: 01/07/19
  - WEL 01/07/19 02/07/19 12:50PM 03:10PM MTWTH HUM 111
  - Online

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! [Click here](https://www.bkstr.com/norco/college/store)
### ART-17  Beginning Drawing  3 UNITS
Prerequisite: None.
Description: An introduction to the fundamentals of drawing in a variety of media. The exploration of the elements of art, the principles of composition, perspective and the development of observational, motor and creative skills. Emphasis will be on black and white media. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

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<td>12:40PM</td>
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The above section is a web-enhanced class. Internet access is required.

Instructor: J. Bemiller

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### 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)

|  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|
|  | 01/02/19 | 02/07/19 | 12:45PM | 02:10PM | MTHW | ATEC 209 |
|  | 01/02/19 | 02/07/19 | 02:20PM | 05:30PM | MTHW | ATEC 209 |

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

Instructor: B. May

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### 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)

|  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|
|  | 01/02/19 | 02/07/19 | 08:00AM | 10:20AM | MTHW | IT 117 |
|  | 01/02/19 | 02/07/19 | 10:30AM | 12:50PM | MTHW | IT 128 |

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

Instructor: J. Drainville

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### 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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<td>MTHW</td>
<td>IT 128</td>
</tr>
</tbody>
</table>

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

Instructor: V. Sharma

---

### 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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</table>

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

Instructor: V. Sharma

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### 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)

|  |  |  |  |  |  |
|---|---|---|---|---|
|  | 01/02/19 | 02/07/19 | 07:45AM | 10:05AM | MTHW |

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

Instructor: V. Sharma
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)
30011  Last day to add: 01/06/19
WE 01/02/19  02/07/19  05:00PM  07:20PM  MTWTH  IT 117
WEL 01/02/19  02/07/19  07:30PM  09:50PM  MTWTH  IT 128
The above section is a web-enhanced class. Internet access is required.
Instructor: B Moore

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)
30022  Last day to add: 01/07/19
OL 01/02/19  02/07/19  ON LINE
OLL 01/02/19  02/07/19  ON LINE
The above section is an online class. Computer with Internet access required. See www.open campus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: Staff

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!  https://www.bkstr.com/norcoles/
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.
30018  Last day to add: 01/07/19
OL  01/02/19  02/07/19  ON LINE
The above section is an online class. Computer with Internet access required.
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.
30019  Last day to add: 01/07/19
OL  01/02/19  02/07/19  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, permissible, 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.
30020  Last day to add: 01/07/19
OL  01/02/19  02/07/19  ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: P Worsham

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)
30023  Last day to add: 01/07/19
OL  01/02/19  02/07/19  ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: G Gwart

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.)
30025  Last day to add: 01/07/19
OL  01/02/19  02/07/19  ON LINE
OL  01/02/19  02/07/19  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: C McConnell-Freeman

CHE-2A  Introductory Chemistry, |  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.)
30026  Last day to add: 01/06/19
WE  01/02/19  02/07/19  08:00AM  10:20AM  MTWTH  IT 101
WEl  01/02/19  02/07/19  10:30AM  12:50PM  MTWTH  HUM 204
The above section is a web-enhanced class. Internet access is required.
Instructor: W Cui

CHE-2A  Introductory Chemistry, |  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.)
30027  Last day to add: 01/06/19
WE  01/02/19  02/07/19  08:00AM  10:20AM  MTWTH  IT 101
WEl  01/02/19  02/07/19  01:15PM  03:35PM  MTWTH  HUM 204
The above section is a web-enhanced class. Internet access is required.
Instructor: W Cui

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/
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.) 
30028  Last day to add: 01/06/19  
WE 01/02/19 02/07/19 05:00PM 07:20PM  MTWH HUM 204  
WEL 01/02/19 02/07/19 07:30PM 09:50PM  MTWH HUM 204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: C Lugo

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.  
30030  Last day to add: 01/07/19  
OL 01/02/19 02/07/19 02/07/19 ON LINE  
OLL 01/02/19 02/07/19 02/07/19 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: 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.  
30031  Last day to add: 01/07/19  
OL 01/02/19 02/07/19 02/07/19 ON LINE  
OLL 01/02/19 02/07/19 02/07/19 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: 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.  
30033  Last day to add: 01/04/19  
HYB 01/04/19 02/01/19 08:00AM 01:10PM F ATEC 118  
HYBO 01/04/19 02/01/19 08:00AM 01:10PM F ATEC 118  
HYBL 01/04/19 02/01/19 01:20PM 02:50PM F ATEC 118  
HYBLO 01/04/19 02/01/19 01:20PM 02:50PM F ATEC 118  
The above section is a hybrid class and has an 18-hour laboratory requirement to be completed face to face and online. Computer with Internet access required. See www.opencampus.com.  
Instructor: M Chapman

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.  
30032  Last day to add: 01/06/19  
WE 01/02/19 02/07/19 11:15AM 02:20PM  MTWH IT 125  
WEL 01/02/19 02/07/19 02:30PM 03:20PM  MTWH 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: J Coverdale

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)  
30034  Last day to add: 01/07/19  
OL 01/02/19 02/07/19 02/07/19 ON LINE  
OLL 01/02/19 02/07/19 02/07/19 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: C McConnell-Freeman

CIS-5  Programming Concepts and Methodology I: C++  4 UNITS  
Prerequisite: None  
Advisory: CIS-1A  
Description: Introduction to the discipline of computer science incorporating problem definitions, algorithm development, and structured programming logic for business, scientific and mathematical applications. The C++ language will be used for programming problems. 54 hours lecture and 54 hours laboratory.  
30036  Last day to add: 01/07/19  
OL 01/02/19 02/07/19 02/07/19 ON LINE  
OLL 01/02/19 02/07/19 02/07/19 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: T Pryor

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)  
30029  Last day to add: 01/06/19  
WE 01/02/19 02/07/19 01:00PM 04:05PM  MTWH STEM 115  
WEL 01/02/19 02/07/19 04:15PM 07:05PM  MTWH 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: A Rainey
COMMUNICATION STUDIES

COM-1  Public Speaking  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

30039  Last day to add: 01/04/19
HYB  01/02/19  02/07/19  12:50PM  03:05PM  M  LIBR 110
HYBO  01/02/19  02/07/19  ON LINE

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

30044  Last day to add: 01/06/19
LEC  01/02/19  02/07/19  08:00AM  10:15AM  MTWTH  IT 211
Instructor: M Lewis
## EARLY CHILDHOOD EDUCATION

### EAR-20 Child Growth and Development
**3 UNITS**
Prerequisite: None
Description: This introductory course examines the major physical, psychosocial, and cognitive/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.

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<th>Instructor</th>
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<td>10:25AM - 12:45PM</td>
<td>S Bunett</td>
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</table>

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

### EAR-20 Child Growth and Development
**3 UNITS**
Prerequisite: None
Description: This introductory course examines the major physical, psychosocial, and cognitive/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.

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<td>01/06/19</td>
<td>MTWTH</td>
<td>10:25AM - 12:45PM</td>
<td>M Adams</td>
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The above section is a web-enhanced class. Internet access is required.

### 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.

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<th>Instructor</th>
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The above section is an online class. Computer with Internet access required. See www.opencampus.com.

### 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.

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<th>Time</th>
<th>Instructor</th>
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<td>30053</td>
<td>01/07/19</td>
<td>MTWTH</td>
<td>10:25AM - 12:45PM</td>
<td>L Sumati</td>
</tr>
</tbody>
</table>

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

Instructor: S Sumati
EAR-33  Infant and Toddler Development  3 UNITS
A study of infants and toddlers development from pre-conception to age three.
Prerequisite: None.
30203  Last day to add: 01/06/19
WE 01/02/19 02/07/19 08:00AM-10:20AM MTWTH IT209
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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 sociocultural factors.
30054  Last day to add: 01/07/19
OL 01/02/19 02/07/19 08:00AM-10:20AM ON Line
The above section is an online class. Computer with Internet access required.
Instructor: T Oliver

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 aggregate economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.
30055  Last day to add: 01/06/19
WE 01/02/19 02/07/19 10:25AM-12:45PM MTWTH IT109
The above section is a web-enhanced class. Internet access is required.
Instructor: P Boelman

ELECTRONICS

ELE-11  DC Electronics  4 UNITS
Prerequisite: None.
Description: Basic DC electrical theory, devices, circuits and applications including resistors, capacitors, coils and motors.
30056  Last day to add: 01/06/19
LEC 01/02/19 02/07/19 05:50PM-08:40PM MTWTH STEM 302
LAB 01/02/19 02/07/19 08:50PM-09:55PM MTWTH STEM 302
Instructor: G Graham

ELE-13  AC Electronics  4 UNITS
Prerequisite: ELE-10 or ELE-11 or ELE-21 or ELE-23
Description: Alternating Current (AC) theory, devices, circuits and applications—will include: resistance, reactance, impedance, capacitance, inductance, Ohm's Law, Power Law, sinusoidal waveforms, Peak, Peak-to-Peak and Root-Mean-Square (RMS) measurements, using an oscilloscope, signal generator and meter; applications of series and parallel networks of resistors, capacitors, inductors, transformers and other AC components; J-Factors and phasor-vector solutions to both simple and complex AC circuits; transient reactor analysis; phase-shift, phase-angle, and power-factor calculations and measurements. 54 hours lecture and 54 hours laboratory.
30057  Last day to add: 01/06/19
LEC 01/02/19 02/07/19 01:30PM-04:20PM MTWTH ATEC 119
LAB 01/02/19 02/07/19 04:30PM-05:35PM MTWTH ATEC 119
Instructor: G Graham

ELE-27  Technical Communications  3 UNITS
Prerequisite: None.
Description: Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.
30058  Last day to add: 01/06/19
LEC 01/02/19 02/07/19 06:30PM-09:35PM TWTH CACT 2
Instructor: A Johnson

ELE-76  Low Voltage Wiring/Alternate Energy (same As ELC-76) 3 UNITS
Prerequisite: None.
Description: Electrician training for institutional, educational and government needs, plus specialty areas not generally available from others.
30059  Last day to add: 01/06/19
LEC 01/02/19 02/07/19 06:00PM-07:25PM TWTH ATEC 119
LAB 01/02/19 02/07/19 07:30PM-09:50PM TWTH ATEC 119
Instructor: R Rad

ENGINEERING

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.
30060  Last day to add: 01/06/19
LEC 01/02/19 02/07/19 06:30PM-09:35PM TWTH CACT 2
Instructor: A Johnson
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>ENE-42</td>
<td>SolidWorks I</td>
<td>3</td>
</tr>
<tr>
<td>Prerequisite: None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advisory: PC computer experience recommended</td>
<td></td>
<td></td>
</tr>
<tr>
<td>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.</td>
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<tr>
<td>30061</td>
<td>Last day to add: 01/06/19</td>
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</tr>
<tr>
<td>LEC</td>
<td>01/02/19 02/07/19 05:00PM MTWTH IT 125</td>
<td></td>
</tr>
<tr>
<td>LAB</td>
<td>01/02/19 02/07/19 06:15PM MTWTH IT 125</td>
<td></td>
</tr>
<tr>
<td>Instructor: F Mirzaii</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ENE-51</td>
<td>Blueprint Reading</td>
<td>2</td>
</tr>
<tr>
<td>Prerequisite: None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>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.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30062</td>
<td>Last day to add: 01/06/19</td>
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<tr>
<td>LEC</td>
<td>01/02/19 02/07/19 06:00PM MTWTH ATEC 109</td>
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</tr>
<tr>
<td>LAB</td>
<td>01/02/19 02/07/19 07:30PM MTWTH ATEC 109</td>
<td></td>
</tr>
<tr>
<td>Instructor: C Keisieh</td>
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</tbody>
</table>

**ENGLISH**

**PLACEMENT GUIDELINES**

**ENGLISH COMPOSITION COURSES**

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

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

**ENGLISH 50**
- A grade of C or better in ENG-50
- Approved alternative placement method (see Counseling for available options)
- Successful completion of ENG-608 or ESL-55

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-1A</td>
<td>English Composition</td>
<td>4</td>
</tr>
<tr>
<td>Prerequisite: ENG-50 or ENG-80 or qualifying placement level</td>
<td></td>
<td></td>
</tr>
<tr>
<td>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)</td>
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<tr>
<td>30069</td>
<td>Last day to add: 01/07/19</td>
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<tr>
<td>OLL</td>
<td>01/02/19 02/07/19 ON LINE</td>
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</tbody>
</table>

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: M Bader
Moving through English, ESL and Reading

**English as a Second Language**

- **ESL-91** Oral Skills I
  - Beginning Oral Communication

- **ESL-92** Oral Skills II
  - Intermediate Oral Communication

- **ESL-93** Oral Skills III
  - Advanced Oral Communication

- **ESL-71** Basic Reading and Vocabulary

- **ESL-72** Intermediate Reading and Vocabulary

- **ESL-73** High Intermediate Reading and Vocabulary

- **ESL-51** Basic Writing & Grammar

- **ESL-52** Low Intermediate Writing & Grammar

- **ESL-53** Intermediate Writing & Grammar

- **ESL-54** High Intermediate Writing & Grammar

- **ESL-55** Advanced Writing & Grammar

**English Composition**

- **ENG-50** Basic English Composition

- **ENG-51** English Composition

**Reading**

- **REA-83** Reading Level III

- **ENG-18** Critical Thinking & Writing

- **ENG-91** Support

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

---

**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)

**30066**

<table>
<thead>
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<th>Days</th>
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<th>End Date</th>
<th>Time</th>
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<tbody>
<tr>
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<td>02/07/19</td>
<td>10:00AM 02:05PM</td>
<td>TTH</td>
</tr>
<tr>
<td>WEL</td>
<td>01/02/19</td>
<td>02/07/19</td>
<td>09:00AM 09:50AM</td>
<td>TTH</td>
</tr>
</tbody>
</table>

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

**Instructor:** S Hanson

**Last day to add:** 01/06/19

---

**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)

**30064**

<table>
<thead>
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<th>Days</th>
<th>Start Date</th>
<th>End Date</th>
<th>Time</th>
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<tbody>
<tr>
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<td>HY30</td>
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<td>02/07/19</td>
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<td>HY3B</td>
<td>01/02/19</td>
<td>02/07/19</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Instructor:** J Dobson

**Last day to add:** 01/04/19

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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)
30074  Last day to add: 01/04/19
HYB  01/02/19  02/07/19  02:30PM  05:20PM  MW  IT 111
HYBO  01/02/19  02/07/19  ON  LINE
HYBLO  01/02/19  02/07/19  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. Liang

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)
30073  Last day to add: 01/07/19
HYB  01/02/19  02/07/19  02:30PM  05:20PM  TTH  IT 111
HYBO  01/02/19  02/07/19  ON  LINE
HYBLO  01/02/19  02/07/19  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. Hill

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)
30065  Last day to add: 01/06/19
WE  01/02/19  02/07/19  03:45PM  07:50PM  TWTH  IT 108
WEL  01/02/19  02/07/19  08:00PM  08:50PM  TWTH  IT 121
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
Instructor: M. Pele

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)
30077  Last day to add: 01/06/19
WE  01/02/19  02/07/19  04:00PM  08:50PM  MW  IT 208
WEL  01/02/19  02/07/19  03:30PM  03:50PM  TWTH  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: J. Watson

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)
30070  Last day to add: 01/06/19
WE  01/02/19  02/07/19  04:40PM  08:45PM  MW  IT 211
WEL  01/02/19  02/07/19  03:40PM  04:30PM  TWTH  IT 125
Designated laboratory hours are included in the meeting times for this class.
Instructor: J. Reed

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 18H. 72 hours lecture and 18 hours laboratory. (TBA option)
30084  Last day to add: 01/07/19
OL  01/02/19  02/07/19  ON  LINE
OLL  01/02/19  02/07/19  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: A. Moore
**WINTER 2019**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-1B</td>
<td>Critical Thinking and Writing</td>
<td>4</td>
<td>ENG-1A or ENG-1AH</td>
</tr>
</tbody>
</table>

**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)

<table>
<thead>
<tr>
<th>30085</th>
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<tr>
<td>OL</td>
<td>01/02/19 02/07/19 ON LINE</td>
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<tr>
<td>OLL</td>
<td>01/02/19 02/07/19 ON LINE</td>
</tr>
</tbody>
</table>

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**: S Camacho

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-1B</td>
<td>Critical Thinking and Writing</td>
<td>4</td>
<td>ENG-1A or ENG-1AH</td>
</tr>
</tbody>
</table>

**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)

<table>
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<tbody>
<tr>
<td>WE</td>
<td>01/02/19 02/07/19 07:45AM 11:50AM THW IT 208</td>
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<tr>
<td>WEL</td>
<td>01/02/19 02/07/19 12:00PM 12:50PM THW IT 127</td>
</tr>
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The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

**Instructor**: R Marsh

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>ENG-1B</td>
<td>Critical Thinking and Writing</td>
<td>4</td>
<td>ENG-1A or ENG-1AH</td>
</tr>
</tbody>
</table>

**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)

<table>
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<tr>
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<tbody>
<tr>
<td>WE</td>
<td>01/02/19 02/07/19 08:45AM 12:50PM THW IT 123</td>
</tr>
<tr>
<td>WEL</td>
<td>01/02/19 02/07/19 01:00PM 01:50PM THW IT 121</td>
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</table>

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

**Instructor**: D Mills

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-1B</td>
<td>Critical Thinking and Writing</td>
<td>4</td>
<td>ENG-1A or ENG-1AH</td>
</tr>
</tbody>
</table>

**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)

<table>
<thead>
<tr>
<th>30082</th>
<th>Last day to add: 01/07/19</th>
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<tbody>
<tr>
<td>HYB</td>
<td>01/02/19 02/07/19 10:00AM 12:00PM TTH IT 110</td>
</tr>
<tr>
<td>HYBO</td>
<td>01/02/19 02/07/19 ON LINE</td>
</tr>
<tr>
<td>HYBLO</td>
<td>01/02/19 02/07/19 ON LINE</td>
</tr>
</tbody>
</table>

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

**Instructor**: L Nelson

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ENGLISH AS A SECOND LANGUAGE

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3. Under Enrollment Services, click on Assessment
4. Click on Make An Appointment
5. Scroll to bottom of the page and click on Make An Appointment to access the online appointment system.
Complete testing schedules are available at:
www.norcocollege.edu/services/assessment/pages/makeanappointment.aspx
Please check the calendar and then use the online appointment system to choose your appointment. If you need to speak with someone directly, please call the Norco College Assessment Center at (951) 372-7176.

ESL-71 Basic Reading and Vocabulary 4 UNITS
Prerequisite: None
Advisory: ESL-51 or ESL-52 or qualifying placement level on a state-approved placement instrument
Description: Emphasizes the acquisition of simple reading skills, expansion of receptive and productive vocabulary, developing dictionary skills, and comprehension of short, adapted reading selections. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)
30202 Last day to add: 01/06/19
LEC 01/02/19 02/07/19 08:00AM - 11:50AM TTH LIBR 121
LAB 01/02/19 02/07/19 12:00PM - 12:50PM TTH LIBR 121
Designated laboratory hours are included in the meeting times for this class.
Instructor: M Shrinan

GAME DEVELOPMENT

GAM-32 Designing Game Characters 3 UNITS
Prerequisite: GAM-81
Description: This course provides continued study of the application of 3D modeling techniques within a computer animation environment. Students will learn the production workflow of Maya to ZBrush and complete game ready character models. The focus will be on character design principles, low poly modeling and the creation of both bipedal and quadruped characters. 54 hours lecture and 18 hours laboratory. (TBA option)
30235 Last day to add: 01/06/19
WE 01/02/19 02/07/19 08:00AM - 10:50AM MTWTH ATEC 118
WEL 01/02/19 02/07/19 10:15AM - 10:55AM MTWTH 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: 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.
30101 Last day to add: 01/07/19
OL 01/02/19 02/07/19 ON LINE
ON LINE
The above section is an online class. Computer with Internet access required.
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)
30102 Last day to add: 01/07/19
OL 01/02/19 02/07/19 ON LINE
OLL 01/02/19 02/07/19 ON LINE
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-52 Game Engine Scripting I 3 UNITS
Prerequisite: GAM-50
Description: Introduction to core programming concepts related to game engine scripting. Scripted languages are used in the context of industry standard game development tools to implement game functionality. 54 hours lecture and 18 hours laboratory. (TBA option)
30236 Last day to add: 01/06/19
WE 01/02/19 02/07/19 08:00AM - 10:50AM TTH STEM 115
WEL 01/02/19 02/07/19 11:00AM - 11:50AM TTH STEM 115
The above section is a web-enhanced class. Internet access is required.
Instructor: J Ruiz

FRENCH

ENROLLMENT GUIDELINES FRENCH

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

FRE-1 French 1 5 UNITS
Prerequisite: None.
Description: Develops basic skills in understanding, reading, communicating and writing in French.
30209 Last day to add: 01/06/19
HYB 01/02/19 02/07/19 02:55PM - 05:00PM TTH LIBR 121
HYBO 01/02/19 02/07/19 ON LINE
HYBL 01/02/19 02/07/19 02:00PM - 02:50PM TTH LIBR 121
The above section is a hybrid class. Computer with Internet access required.
Instructor: J Smith
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.

**30104  Last day to add: 01/06/19**
LEC 01/02/19 02/07/19 12:50PM 03:10PM MTWTH ATEC 205
*Instructor: R. Christof*

**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. 34 hours laboratory.

**30105  Last day to add: 01/06/19**
LAB 01/02/19 02/07/19 03:15PM 05:35PM MTWTH ATEC 205
*Instructor: R. Christof*

GUIDANCE

**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.

**30107  Last day to add: 01/06/19**
LEC 01/02/19 02/07/19 08:00AM 10:10AM MTWTH ATEC 205
*Instructor: A. Bailey*

**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.

**30106  Last day to add: 01/06/19**
LEC 01/02/19 02/07/19 10:25AM 12:35PM MTWTH ATEC 205
*Instructor: J. Moore*

**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.

**30111  Last day to add: 01/06/19**
LEC 01/02/19 02/07/19 05:45PM 07:55PM MTWTH ATEC 205
*Instructor: M. Jurado-Martinez*

**GUI-48  College Success Strategy  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.

**30212  Last day to add: 01/06/19**
LEC 01/02/19 02/07/19 08:00AM 10:10AM MTWTH LIBR 110
*Instructor: M. Huizar*

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 lifestyle, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.

**30109  Last day to add: 01/06/19**
LEC 01/02/19 02/07/19 10:25AM 12:45PM MTWTH W05 W03
*Instructor: T. Wallstrom*

**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 lifestyle, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.

**30110  Last day to add: 01/06/19**
LEC 01/02/19 02/07/19 06:00PM 09:05PM TTH MTWTH W06 W06
*Instructor: T. Wallstrom*
HISTORY

**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.

**30112**  
Last day to add: 01/06/19
WE 01/02/19 02/07/19 10:25AM 12:45PM MTWTH HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: H Won

**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.

**30111**  
Last day to add: 01/06/19
WE 01/02/19 02/07/19 06:00PM 09:05PM TWTH HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: H Won

**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.

**30113**  
Last day to add: 01/07/19
OL 01/02/19 02/07/19 ON LINE
The above section is an online class. Computer with Internet access 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.

**30115**  
Last day to add: 01/07/19
OL 01/02/19 02/07/19 ON LINE
The above section is an online class. Computer with Internet access 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.

**30117**  
Last day to add: 01/07/19
OL 01/02/19 02/07/19 ON LINE
The above section is an online class. Computer with Internet access 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.

**30120**  
Last day to add: 01/07/19
OL 01/02/19 02/07/19 ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: C Day

**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.

**30114**  
Last day to add: 01/06/19
WE 01/02/19 02/07/19 08:00AM 10:20AM MTWTH 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.

**30116**  
Last day to add: 01/06/19
WE 01/02/19 02/07/19 12:50PM 03:10PM MTWTH HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: H Won
HUMANITIES

HUM-9  American Voices  3 UNITS
Prerequisite: None
Advisory: REA-B3 and qualification for ENG-1A
Description: An interdisciplinary study of American voices across class, racial, ethnic, religious, and other boundaries. Close reading of American biographies and autobiographies of writers, artists, musicians, and other artists to analyze the evolving character of American identity. 54 hours lecture.
30208  Last day to add: 01/07/19
OL 01/02/19 02/07/19  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: M. Bobo

HUM-10  World Religions  3 UNITS
Prerequisite: None
Advisory: REA-B3 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.
30118  Last day to add: 01/06/19
WE 01/02/19 02/07/19 10:35AM 12:55PM MTWTH STEM 201
The above section is a web-enhanced class. Internet access is required.
Instructor: D. Ketcham

INTERDISCIPLINARY STUDIES

ILA-1  Introduction to Tutor Training  1 UNIT
Prerequisite: None
Advisory: Qualification for ENG-1A
Description: Introduction to tutoring, with an emphasis on tutoring strategies, learning styles, problem solving, and working with diverse student populations. Designed to prepare students to become peer tutors in a variety of subject areas. Tutors develop student-centered, non-intrusive tutoring skills to meet a wide variety of student needs. Topics include theory, practice and ethics of tutoring, interpersonal communications techniques, tutoring diverse student populations, and group tutorial methods and practical field work. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)
30120  Last day to add:
LEC 01/02/19 02/07/19 05:30PM 08:20PM W LIBR 110
The above section is a short term class. Please note the start and end dates.
Instructor: Staff

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.
30207  Last day to add: 01/07/19
OL 01/02/19 02/07/19  ON LINE
Instructor: S. Witter

KIN-30  First Aid and CPR  3 UNITS
Prerequisite: None.
Description: Earn "National Safety Council Advanced First Aid" and "American Heart Association Healthcare Professional" certificates. First Aid and CPR fees totaling $20.00 will be charged to the student and are not covered by BOGW. Drop deadlines for non-payment apply.
30193  Last day to add: 01/06/19
LEC 01/02/19 02/07/19 08:00AM 10:20AM MTWTH WEQ W3
Instructor: S. Witter

KIN-40  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.)
30123  Last day to add: 01/06/19
LAB 01/02/19 02/07/19 12:50PM 03:10PM MTWTH WEQ W2
Instructor: D. Namekata

KIN-41  Karate, Intermediate  1 UNIT
Prerequisite: None
Advisory: KIN-40
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.)
30124  Last day to add: 01/06/19
LAB 01/02/19 02/07/19 12:50PM 03:10PM MTWTH WEQ W2
Instructor: D. Namekata

KIN-46  Hatha Yoga, Beginning  1 UNIT
Prerequisite: None.
Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.
30125  Last day to add: 01/06/19
LAB 01/02/19 02/07/19 10:25AM 12:45PM MTWTH WEQ W2
Instructor: L. Zank
KIN-A47  Hatha Yoga, Intermediate  1 UNIT
Prerequisite: None
Advisory: KIN-A46
Description: This course offers intermediate Hatha yoga exercises to improve students' physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 and A47 are courses related in content and are limited in enrollment according to Title 5, section S5040. For further information see section VII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
30126  Last day to add: 01/06/19
LAB  01/02/19 02/07/19 10:25AM 12:45PM MTWTH W2E
Instructor: L Zank

KIN-A64  Soccer  1 UNIT
Prerequisite: None
Description: This course is designed to introduce students to the rules, basic skills, and offensive/defensive strategy in soccer. Emphasis will be placed on improving individual skills and applying these skills to game situations. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
30127  Last day to add: 01/06/19
LAB  01/02/19 02/07/19 03:15PM 05:35PM MTWTH S2C
Instructor: F Melgarrejo

KIN-A81A  Physical Fitness, Beginning  1 UNIT
Prerequisite: None
Description: This course is designed to give the student an overview of the basic concepts that affect total fitness. Personalized exercise programs in cardiovascular endurance, muscular strength, muscular endurance, and flexibility will be developed. KIN-A81A and A81B are courses related in content and are limited in enrollment according to Title 5, section S5040. For further information see section VII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
30129  Last day to add: 01/06/19
LAB  01/02/19 02/07/19 10:25AM 12:45PM MTWTH W2E
Instructor: S Witmer

KIN-A81B  Physical Fitness, Intermediate  1 UNIT
Prerequisite: None.
Description: Provides concepts for total fitness and develops personalized exercise programs for cardiovascular endurance, strength and flexibility.
30131  Last day to add: 01/06/19
LAB  01/02/19 02/07/19 06:00PM 09:05PM MTWTH W2E
Instructor: D Bedneyczyk

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.)
30206  Last day to add: 01/07/19
OL  01/02/19 02/07/19  ON LINE
Instructor: M Cartro

MANAGEMENT

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)
30133  Last day to add: 01/07/19
OL  01/02/19 02/07/19  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: G Zwart

MAG-53  Human Relations  3 UNITS
Prerequisite: None.
Description: Practical application of basic psychology in building better employer-employee relationships.
30135  Last day to add: 01/07/19
OL  01/02/19 02/07/19  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: G Zwart

MANUFACTURING TECHNOLOGY

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.)
30136  Last day to add: 01/07/19
OL  01/02/19 02/07/19  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: K Mosley

MAN-60  Hydraulic and Pneumatic Systems  3 UNITS
Prerequisite: None.
Advisory: ENE-60 or MAT-52.
Description: Basics of hydraulic and pneumatic systems including physical properties of liquids under pressure. Pumps, motors, accumulators, valves and drive cylinders are studied. The design and assembly of both high and low pressure fluid control systems from standard components is experienced. Applications of fluids in robotic and industrial equipment systems are presented. 40 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)
30137  Last day to add: 01/06/19
LEC  01/02/19 02/07/19 08:00AM 09:35AM MTWTH IT 124
LAB  01/02/19 02/07/19 09:45AM 12:55PM MTWTH IT 124
Instructor: T Childers

HYB - Hybrid Lecture - HYVL - Hybrid Lab - HYVLO - Hybrid Online Lab - HYBLO - Hybrid Online Lecture - LAB - Lab - LEC - Lecture - OL - Online Lecture - OLL - Online Lab
MATHEMATICS

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)
30147  Last day to add: 01/06/19
WE  01/02/19  02/07/19  08:00AM  12:05PM  TWTH  LIBR 108
WEL  01/02/19  02/07/19  12:15PM  01:05PM  TWTH  LIBR 108
The above section is a web-enhanced class. Internet access is required.
Instructor: T Johnson

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)
30148  Last day to add: 01/06/19
WE  01/02/19  02/07/19  01:15PM  05:20PM  TWTH  LIBR 108
WEL  01/02/19  02/07/19  05:30PM  06:20PM  TWTH  LIBR 108
The above section is a web-enhanced class. Internet access is required.
Instructor: J Tousignant

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.)
30194  Last day to add: 01/06/19
WE  01/02/19  02/07/19  08:00AM  12:05PM  TWTH  WEQ/W6A
WEL  01/02/19  02/07/19  12:15PM  01:05PM  TWTH  WEQ/W6A
The above section is a web-enhanced class. Internet access is required.
Instructor: B Lopez Segoviano

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.)
30230  Last day to add: 01/06/19
WE  01/02/19  02/07/19  01:00PM  04:10PM  MTWTH  IT 122
The above section is a web-enhanced class. Internet access is required.
Instructor: J Basinger

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)
30215  Last day to add: 01/06/19
WE  01/02/19  02/07/19  01:00PM  04:10PM  MTWTH  WEQ/W4
The above section is a web-enhanced class. Internet access is required.
Instructor: T Malouf

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)
30141  Last day to add: 01/06/19
WE  01/02/19  02/07/19  01:40PM  04:50PM  MTWTH  ATEC 204
The above section is a web-enhanced class. Internet access is required.
Instructor: E Hwang

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.)
30231  Last day to add: 01/07/19
OL  01/02/19  02/07/19  ON LINE
The above section is a short term online class. Computer with Internet access required.
See www.opencompass.com. Please note the start and end dates.
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.)
30220  Last day to add: 01/06/19
WE  01/02/19  02/07/19  08:00AM  11:10AM  MTWTH  WEQ/W4
The above section is a web-enhanced class. Internet access is required.
Instructor: P Singh

HYB - Hybrid Lecture  HYBL - Hybrid Lab  HYBOL - Hybrid Online Lab  HYBO - Hybrid Online Lecture  LAB - Lab  LEC - Lecture  OL - Online Lecture  OLL - Online Lab

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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| MAT-12      | Statistics              | 4     | MAT-35       | 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.) | WE           | 01/02/19       | Last day to add: 01/06/19 10:25AM 01:35PM MTWTH ATEC 204  
Instructor: H. Mai |
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)

30226   Last day to add: 01/07/19
HYB   01/02/19  02/07/19  01:45PM  04:50PM  TTH  STEM 302
HYBO   01/02/19  02/07/19  ONLINE

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

Instructor: B Lopez Segoviano

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)

30227   Last day to add: 01/06/19
WE   01/02/19  02/07/19  06:00PM  09:10PM  MTWTH  IT 109

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

Instructor: S Borissova

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.)

30229   Last day to add: 01/06/19
WE   01/02/19  02/07/19  01:40PM  04:50PM  MTWTH  WEQ  W5

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

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.)

30228   Last day to add: 01/06/19
WE   01/02/19  02/07/19  06:00PM  09:10PM  MTWTH  ATEC 211

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

Instructor: J Zaragoza

MAT-53   College Geometry   3 UNITS
Prerequisite: MAT-52
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.

30158   Last day to add: 01/06/19
WE   01/02/19  02/07/19  08:00AM  10:20AM  MTWTH  STEM 201

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

Instructor: J Higley

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.)

30159   Last day to add: 01/06/19
WE   01/02/19  02/07/19  05:30PM  09:35PM  MTWTH  ATEC 204

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

Instructor: B Nguyen

MUSIC

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.

30164   Last day to add: 01/07/19
OL   01/02/19  02/07/19  ONLINE

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


Instructor: K Kamerin

MUS-19   Music Appreciation   3 UNITS
Prerequisite: None.
Description: A broad survey of music in the Western world, including terminology for describing musical elements, forms, and styles. Organized to acquaint students with the roles of music and musicians in society and with representative musical selections through listening, reading, writing, and live performance. 54 hours lecture.

30205   Last day to add: 01/07/19
OL   01/02/19  02/07/19  ONLINE

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


Instructor: K Kamerin


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<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Advisory</th>
<th>Last day to add:</th>
<th>Lectures/Class</th>
<th>Class Type</th>
<th>Location</th>
<th>Instructors</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS-19</td>
<td>Music Appreciation</td>
<td>3</td>
<td>None</td>
<td>A 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.</td>
<td></td>
<td>01/06/19</td>
<td>WE</td>
<td>MTWTH</td>
<td>ATEC 114</td>
<td>N Estes</td>
</tr>
<tr>
<td>PHI-11</td>
<td>Critical Thinking</td>
<td>3</td>
<td>None</td>
<td>Introduction to 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.</td>
<td></td>
<td>07/01/19</td>
<td>OL</td>
<td>ON LINE</td>
<td></td>
<td>L Montes</td>
</tr>
<tr>
<td>MUS-87</td>
<td>Applied Music Training</td>
<td>1</td>
<td>None</td>
<td>3 hours of lessons and 2 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 6.5 hours each week. For additional information, please contact the instructor, <a href="mailto:Kamerin@noricollage.edu">Kamerin@noricollage.edu</a> or 951-738-7703.</td>
<td></td>
<td>01/07/19</td>
<td>WEL</td>
<td>TTH</td>
<td></td>
<td>K Kamerin</td>
</tr>
<tr>
<td>MUS-92</td>
<td>Basic Piano</td>
<td>0.50</td>
<td>None</td>
<td>Group piano lessons for beginners. Emphasis on simple melodies and basic chords using standard musical notation and lead sheets.</td>
<td></td>
<td>01/06/19</td>
<td>LAB</td>
<td>10:00AM</td>
<td>HUM 101</td>
<td>Z Shetara</td>
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<tr>
<td>PHI-10</td>
<td>Introduction to Philosophy</td>
<td>3</td>
<td>ENG-50 or ENG-80</td>
<td>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. 44.54 hours lecture.</td>
<td></td>
<td>01/07/19</td>
<td>OL</td>
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<td>L Montes</td>
</tr>
<tr>
<td>PHS-1</td>
<td>Introduction to Physical Science</td>
<td>3</td>
<td>None</td>
<td>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.</td>
<td></td>
<td>01/06/19</td>
<td>LEC</td>
<td>MTW</td>
<td>HUM 201</td>
<td>D Johnson</td>
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<tr>
<td>PHY-10</td>
<td>Introduction to General Physics</td>
<td>3</td>
<td>MAT-52</td>
<td>A non-science major physics course covering mechanics, properties of matter, heat, sound, light, electricity and magnetism, and nuclear physics. 54 hours lecture.</td>
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<td>01/06/19</td>
<td>LEC</td>
<td>MTW</td>
<td>HUM 201</td>
<td>D Johnson</td>
</tr>
<tr>
<td>POL-1</td>
<td>American Politics</td>
<td>3</td>
<td>None</td>
<td>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.</td>
<td></td>
<td>01/07/19</td>
<td>OL</td>
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<td></td>
<td>C Samuels</td>
</tr>
</tbody>
</table>
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.
30178 Last day to add: 01/07/19
OL 01/02/19 02/07/19 ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: L Adams

PSY-9 Developmental Psychology 3 UNITS
Prerequisite: None.
Description: 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.
30183 Last day to add: 01/07/19
OL 01/02/19 02/07/19 ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: L Adams

PSY-9 Developmental Psychology 3 UNITS
Prerequisite: None.
Description: 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.
30201 Last day to add: 01/07/19
OL 01/02/19 02/07/19 ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: N Hightower

PSY-9 Developmental Psychology 3 UNITS
Prerequisite: None.
Description: 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.
30182 Last day to add: 01/06/19
WE 01/02/19 02/07/19 12:50AM 03:10PM MTWH IT 202
The above section is a web-enhanced class. Internet access is required.
Instructor: N Hightower
REAL ESTATE

RLE-80  Real Estate Principles  3 UNITS
Prerequisite: None.
Description: Comprehensive analysis of basic laws, principles, terminology and current practices of California real estate.
30185  Last day to add: 01/07/19
OL  01/02/19  02/07/19  ON LINE
The above section is an online class. Computer with internet access required.
Instructor: T Wagner

SOCIOLOGY

SOC-1  Introduction to Sociology  3 UNITS
Prerequisite: None
Advisory: ENG-50
Description: An introduction to the basic concepts relating to the study of society. The course includes investigation into the foundations of sociology including its overall perspective, theoretical orientations, and research methodology; the foundations of social life including the components of culture, social interaction and the process of socialization, groups, organizations, and deviance; economic social inequality based upon class, race, sex, and age; social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and 1H. 54 hours lecture
30186  Last day to add: 01/06/19
WE  01/02/19  02/07/19  08:00AM  10:20AM  MTWTH  WEQW7
The above section is a web-enhanced class. Internet access is required.
Instructor: K Andacheh

SPANISH

SPANISH PLACEMENT TESTING
The Spanish placement test measures competency levels for those who wish to enroll in Spanish courses but need to determine the appropriate starting level. The results show a recommendation of the appropriate Spanish class. Students can enroll in a level lower than their placement, but not higher. This placement test is intended for placement only, not for credit replacement. Once you have taken a Spanish class, you can no longer take the placement test. Placement tests are available by appointment only.
Please visit our online appointment system at:
https://exams.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. 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 18. 90 hours lecture and 18 hours laboratory (TBA option/Letter Grade, or Pass/No Pass option.)
30189  Last day to add: 01/06/19
HY3  01/02/19  02/07/19  08:55AM  11:05AM  MTWTH  LIBR 109
HY30  01/02/19  02/07/19  ON LINE
HY3L  01/02/19  02/07/19  08:00AM  08:50AM  MTWTH  LIBR 121
The above section is a hybrid class. Computer with internet access required.
Instructor: A Covarrubias

HY-B - 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 • WRKK - Hybrid Work Experience - WRK0 - Work Experience Online

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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.)

**30190**  **Last day to add: 01/06/19**

- **HYB**  01/02/19  02/07/19  09:55AM  12:05PM  T W T H  LIBR 121
- **HYBO**  01/02/19  02/07/19  ON LINE
- **HYBL**  01/02/19  02/07/19  09:00AM  09:50AM  T W T H  LIBR 121

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

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

**Instructor:** D Hitchcock

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**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.

**30191**  **Last day to add: 01/07/19**

- **OL**  01/02/19  02/07/19  ON LINE

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

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

**Instructor:** M Gourley
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. 32002 Last day to add: 02/22/19
Q. 02/11/19 06/07/19 ONLINE
The above section is an online class that requires an on-site proctored final exam. Computer with internet access required. See www.opencampus.com. Please note the start and end dates.
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. 32005 Last day to add: 04/23/19
Q. 04/15/19 06/07/19 ONLINE
The above section is an online class that requires an on-site proctored final exam. Computer with internet access required. See www.opencampus.com. Please note the start and end dates.
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 get 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.

https://www.bkstr.com/norcocollegetype/
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. 32006 Last day to add: 02/22/19
WE 02/11/19 06/07/19 09:15AM 10:40AM MW ARE114
The above section is a web-enhanced class. Internet access is required.
Instructor: D. White

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. 32004 Last day to add: 02/18/19
H&B 02/12/19 04/04/19 09:40AM 11:05AM TTH IT109
HMO 02/12/19 04/04/19 F F ONLINE
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: P. Worsham

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. 32005 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 08:00AM 09:25AM MW ER-BB106
The above section is restricted to Eleanor Roosevelt High School Students only.
Instructor: S. (i)

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. 32000 Last day to add: 02/18/19
H&B 02/12/19 04/04/19 08:00PM 09:25PM TTH JK224
HMO 02/12/19 04/04/19 F F ONLINE
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: D. White

ACC-1B Principles of Accounting II 3 UNITS
Prerequisite: ACC-1A
Description: A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture. 32009 Last day to add: 02/19/19
Q 02/11/19 06/07/19 F F ONLINE
The above section is an online class that requires an on-site proctored final exam. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: P. Worsham

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. 32010 Last day to add: 04/23/19
Q 04/15/19 06/07/19 F F ONLINE
The above section is an online class that requires an on-site proctored final exam. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: P. Worsham

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. 32012 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT109
The above section is a web-enhanced class. Internet access is required.
Instructor: D. White

ACC-1B Principles of Accounting II 3 UNITS
Prerequisite: ACC-1A
Description: A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture. 32011 Last day to add: 04/22/19
H&B 04/16/19 06/06/19 09:40AM 11:05AM TTH IT109
HMO 04/16/19 06/06/19 F F ONLINE
The above section is a short term hybrid class. Computer with Internet access required. See www.opencampus.com. Please note the start and end dates.
Instructor: P. Worsham

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 • WRX - Work Experience Lecture • WRXW - Hybrid Work Experience • WRRK - Work Experience • WRRX - Work Experience Online
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<th>Prerequisites</th>
<th>Description</th>
<th>Instructor</th>
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<tr>
<td>ACC-1B</td>
<td>Principles of Accounting II</td>
<td>3 UNITS</td>
<td>ACC-1A</td>
<td>A study of managerial accounting principles and information systems including basic concepts,</td>
<td>M Scott</td>
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<td>limitations, tools and methods to support the internal decision-making functions of an</td>
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<td>organization. 54 hours lecture.</td>
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<tr>
<td>ACC-62</td>
<td>Payroll Accounting</td>
<td>3 UNITS</td>
<td>ACC-1A or ACC-55</td>
<td>Studies accounting for payroll and examines aspects of the Social Security Act, California</td>
<td>M Scott</td>
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<td>Unemployment Insurance Act and the California Workers Compensation Insurance Act. Payroll</td>
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<td>principles applied through the use of microprocessors. 54 hours lecture. (Letter Grade, or</td>
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<td>Pass/No Pass option.)</td>
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<tr>
<td>ACC-65</td>
<td>Computerized Accounting</td>
<td>3 UNITS</td>
<td>ACC-1A or ACC-55</td>
<td>An introduction to computerized accounting, integrating the principles of accounting to an</td>
<td>N Ildefonso</td>
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<td>automated system in use by many accounting professionals. 54 hours lecture. (Letter Grade, or</td>
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<td>Pass/No Pass option.)</td>
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<tr>
<td>ACC-67</td>
<td>U.S. and California Income Tax Preparation</td>
<td>4 UNITS</td>
<td>None</td>
<td>US and California income tax principles and tax return preparation as it relates to individuals,</td>
<td>M Muir</td>
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<td>sole proprietorships, and other business entities. This course is certificated by the</td>
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<td>California Tax Education Council (CTED) as fulfilling the 60-hour qualifying education</td>
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<td>requirement imposed by the State of California for becoming a Registered Tax Preparer. 72 hours</td>
<td></td>
</tr>
<tr>
<td>ACC-200</td>
<td>Account Work Experience</td>
<td>1 UNIT</td>
<td>None</td>
<td>Course is designed to coordinate the student's occupational on-the-job training with related</td>
<td>J Muir</td>
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<td>classroom instruction.</td>
<td></td>
</tr>
</tbody>
</table>

For more information, see www.opencampus.com.
ADMINISTRATION OF JUSTICE

ADJ-1 Introduction to the Administration of Justice 3 UNITS
Prerequisite: None
Description: The history and philosophy of administration of justice in America; recapitulation of the system; identifying the various subsystems, role expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. 54 hours lecture. 32018 Last day to add: 02/22/19
WE 02/11/19 06/07/19 03:00PM 04:25PM MW E R H S B207
The above section is a web-enhanced class. Internet access is required.
Instructor: S Williams

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. 32792 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:10PM 05:35PM TH I T 202
The above section is a web-enhanced class restricted to La Serra High School students only. Internet access is required.
Instructor: S Williams

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. 32790 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:10PM TH LS6105
The above section is a web-enhanced class restricted to Centennial High School students only. Internet access is required.
Instructor: T Weeks

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. 32794 Last day to add: 02/22/19
WE 02/11/19 06/07/19 03:00PM 04:25PM MW 01N107
The above section is a web-enhanced class restricted to Centennial High School students only. Internet access is required.
Instructor: S Williams

ADJ-8 Juvenile Law and Procedures 3 UNITS
Prerequisite: None
Description: The organization, functions and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures. 54 hours lecture. 32784 Last day to add: 02/22/19
WE 02/11/19 06/07/19 03:00PM 04:25PM MW BR8837
The above section is a web-enhanced class restricted to Beacon Roosevelt High School students only. Internet access is required.
Instructor: S Williams

ADJ-8 Juvenile Law and Procedures 3 UNITS
Prerequisite: None
Description: The organization, functions and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures. 54 hours lecture. 32022 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM T I T 202
The above section is a web-enhanced class. 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. 32027 Last day to add: 02/22/19
OL 02/11/19 06/07/19 ONLINE
The above section is an online class. Computer with Internet access required.
See www.opencampus.com
Instructor: A Gay

HYB - Hybrid Lecture · HYBL - Hybrid Lab · HYBOL - 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 · WRX - Work Experience Lecture · WRXKH - Hybrid Work Experience · WRXKO - Work Experience Online

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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.
32031 Last day to add: 02/22/19
OL 02/11/19 06/07/19 02:30PM 03:55PM TTH HUM 111
The above section is an online class. Computer with Internet access required.
See www.opencampus.com
Instructor: AGay

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.
32812 Last day to add: 02/22/19
LE 02/11/19 06/07/19 11:10AM 12:35PM MW HUM 111
The above section is a web-enhanced class. Internet access required.
Instructor: FRbanks

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.
32030 Last day to add: 02/22/19
WE 02/11/19 06/07/19 09:40AM 11:05AM TTH HUM 111
The above section is a web-enhanced class. Internet access required.
Instructor: AGay

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.
32032 Last day to add: 02/22/19
LE 02/11/19 06/07/19 06:00PM 09:10PM MW HUM 111
The above section is a web-enhanced class. Internet access required.
Instructor: FRbanks

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.
32036 Last day to add: 02/22/19
OL 02/11/19 06/07/19 02:30PM 03:55PM TTH HUM 111
The above section is an online class. Computer with Internet access required.
See www.opencampus.com
Instructor: AMjia

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.
32029 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00PM 09:10PM T HUM 111
The above section is a web-enhanced class. Internet access required.
Instructor: KWilliams

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.
32034 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:15AM 10:40AM MW HUM 111
The above section is a web-enhanced class. Internet access required.
Instructor: CBurhen
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.  
32037  Last day to add: 02/22/19  
LEC 02/11/19 06/07/19 06:00PM 09:10PM W  HUM 111  
The above section is a web-enhanced class. Internet access is required.  
Instructor: CGoux

ANT-6 Introduction to Archaeology  3 UNITS  
Prerequisite: None  
Description: An examination of the basic concepts, methods, and challenges 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.  
32039  Last day to add: 02/22/19  
LEC 02/11/19 06/07/19 12:45PM 02:10PM MW  HUM 111  
The above section is a web-enhanced class. Internet access is required.  
Instructor: CGoux

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.)  
32047  Last day to add: 02/22/19  
LEC 02/11/19 06/07/19 08:00PM 10:15PM W  IT211  
The above section is a web-enhanced class. Internet access is required.  
Instructor: CGoux

ART-36 History of Architecture:  
Renaissance to Modern  3 UNITS  
Prerequisite: None  
Description: A survey of the major movements in the form, theory and design of Western architecture and art from the Renaissance through the 20th century will be studied and interpreted in terms of religious, social and political context. Particular emphasis will be placed on a comparative study of architectural monuments and architects, the sources of design, meaning of beauty, and conditions that influence the Western architectural traditions. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)  
32040  Last day to add: 02/22/19  
LEC 02/11/19 06/07/19 08:00PM 10:15PM W  JRC12  
Instructor: AMejia

ARCHITECTURE

ARE-36 History of Architecture:  
Renaissance to Modern  3 UNITS  
Prerequisite: None  
Description: A survey of the major movements in the form, theory and design of Western architecture and art from the Renaissance through the 20th century will be studied and interpreted in terms of religious, social and political context. Particular emphasis will be placed on a comparative study of architectural monuments and architects, the sources of design, meaning of beauty, and conditions that influence the Western architectural traditions. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)  
32040  Last day to add: 02/22/19  
LEC 02/11/19 06/07/19 08:00PM 10:15PM W  JRC12  
Instructor: AMejia
ART-5 History of Non-Western Art 3 UNITS
Prerequisite: None
Advisory: ENG-1A and college level reading recommended
Description: An introductory survey of the arts of non-European cultures. History, form, functions, and aesthetics will be discussed in an overview of the arts of the Americas (Pre-Columbian and North American Indian), Oceania, Islamic, Sub-Saharan Africa, Southeast Asia, China, and Japan. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
32002 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 11:00AM MATEC 114
The above section is a web-enhanced class. Internet access is required.
Instructor: CGuix

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.)
32054 Last day to add: 02/22/19
Q 02/11/19 06/07/19 M W 8:45AM 11:00AM ONLINE
The above section is an online class. Computer with Internet access required.
Instructor: KSilva

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.)
32057 Last day to add: 02/22/19
Q 02/11/19 06/07/19 M W 07:45AM 08:50AM ONLINE
The above section is an online class. Computer with Internet access required.
Instructor: KSilva

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.)
32056 Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:35AM 08:00AM MW WED/TH
The above section is a web-enhanced class. Internet access is required.
Instructor: BMay

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.)
32055 Last day to add: 03/05/19
WE 02/22/19 06/07/19 09:30AM 01:50PM F ATEC 114
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: SRPld

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 B.C.-A.D. 1521 including the Maya, the Aztecs, and the Inca. 54 hours lecture. (Letter grade, or Pass/No Pass option.)
32004 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:25AM TH WED/TH
The above section is a web-enhanced class. Internet access is required.
Instructor: JBell

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.)
32043 Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:45AM 08:35AM M ATEC 209
WE 02/11/19 06/07/19 07:45AM 08:30AM W WED/TH
WE 02/11/19 06/07/19 08:45AM 11:00AM M ATEC 209
WE 02/11/19 06/07/19 08:10AM 11:00AM W WED/TH
The above section is a short term web-enhanced class. Internet access is required.
Instructor: CBelli

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.)
32045 Last day to add: 03/05/19
WE 02/22/19 06/07/19 08:00AM 10:10AM F ATEC 209
WE 02/22/19 06/07/19 10:20AM 02:50PM F ATEC 209
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: JBell
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<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Last day to add</th>
<th>ISBN</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART-17</td>
<td>Beginning Drawing</td>
<td>3</td>
<td>None</td>
<td>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.)</td>
<td>02/22/19</td>
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<tr>
<td>ART-18</td>
<td>Intermediate Drawing</td>
<td>3</td>
<td>ART-17</td>
<td>Intermediate level and continued study of drawing with emphasis on the use of color media. Basic color theory will be explored in thoughtful compositions. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
<td>02/22/19</td>
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<tr>
<td>ART-22</td>
<td>Basic Design</td>
<td>3</td>
<td>None</td>
<td>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, dexterity, problem solving, analysis, application, skill, and presentation. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
<td>02/22/19</td>
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<tr>
<td>ART-23</td>
<td>Color Theory and Design</td>
<td>3</td>
<td>ART-22 or ART-17</td>
<td>The study of color theory and two-dimensional design. The practice of the organization of the visual elements according to the principles of design. Emphasis placed on more advanced methods of communicating ideas through color in design 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
<td>02/22/19</td>
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<tr>
<td>ART-24</td>
<td>Three Dimensional Design</td>
<td>3</td>
<td>None</td>
<td>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.)</td>
<td>02/22/19</td>
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<tr>
<td>ART-25A</td>
<td>Watercolor - Beginning</td>
<td>3</td>
<td>ART-17</td>
<td>Course work that rectifies the fundamentals of painting with transparent watercolors at an introductory level. Basic techniques, tools, and materials will be explored. Composition, idea, method, color, and creativity will be examined. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
<td>02/22/19</td>
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<tr>
<td>ART-26</td>
<td>Beginning Painting</td>
<td>3</td>
<td>ART-17</td>
<td>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.)</td>
<td>02/22/19</td>
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</tr>
</tbody>
</table>

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<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Instructor</th>
<th>Last Day to Add</th>
</tr>
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<tbody>
<tr>
<td>ART-27</td>
<td>Intermediate Painting</td>
<td>3</td>
<td>ART-23 or ART-26</td>
<td>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.)</td>
<td>M Lindeman</td>
<td>02/22/19</td>
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<tr>
<td>ART-28A</td>
<td>Studio Painting-Portfolio Preparation</td>
<td>3</td>
<td>ART-27</td>
<td>Description: Independent painting studio for the self-motivated student with emphasis on individual art problems and portfolio development. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Emphasis will be on independent concept, development, and portfolio preparation. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option)</td>
<td>M Lindeman</td>
<td>02/22/19</td>
</tr>
<tr>
<td>ART-39</td>
<td>Design and Graphics</td>
<td>3</td>
<td>ART-17 or ART-22 or ART-35A</td>
<td>Description: Fundamental design methodology for visual communication. Exploration of design principles in advertising and layout design, type and lettering creation and techniques, corporate imagery, and portfolio preparation. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
<td>M Lindeman</td>
<td>02/22/19</td>
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<tr>
<td>BIO-1</td>
<td>General Biology</td>
<td>4</td>
<td>None</td>
<td>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)</td>
<td>M Lindeman</td>
<td>02/22/19</td>
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<tr>
<td>BIO-1</td>
<td>General Biology</td>
<td>4</td>
<td>None</td>
<td>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)</td>
<td>M Lindeman</td>
<td>02/22/19</td>
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<tr>
<td>BIO-1</td>
<td>General Biology</td>
<td>4</td>
<td>None</td>
<td>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)</td>
<td>M Lindeman</td>
<td>02/22/19</td>
</tr>
<tr>
<td>BIO-1</td>
<td>General Biology</td>
<td>4</td>
<td>None</td>
<td>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)</td>
<td>M Lindeman</td>
<td>02/22/19</td>
</tr>
</tbody>
</table>
### 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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Days</th>
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<th>Location</th>
<th>Instructor</th>
<th>Notes</th>
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<td>32837</td>
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<tr>
<td>32835</td>
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<td>02/19/19 06/07/19 01:00PM-02:00PM</td>
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<td>33060</td>
<td>W, Th</td>
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<td>33063</td>
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<td>33064</td>
<td>W, Th</td>
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<td>33065</td>
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<td>IT 128</td>
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</table>

### Other Sections

- **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)
  - **Instructor:** [Name]

- **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)
  - **Instructor:** [Name]
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)

32061 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 05:40PM MV IT17
WEL 02/11/19 06/07/19 08:00PM 09:10PM W IT128
The above section is a web-enhanced class. Internet access is required.
Instructor: Shao-Ling

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)

32059 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00PM 09:25PM MV SEM201
WEL 02/11/19 06/07/19 08:30PM 09:40PM T IT128
The above section is a web-enhanced class. Internet access is required.
Instructor: Shao-Ling

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)

32062 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00PM 09:25PM MV SEM201
WEL 02/11/19 06/07/19 08:30PM 09:40PM T IT128
The above section is a web-enhanced class. Internet access is required.
Instructor: Shao-Ling

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)

32832 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00PM 09:10PM W ACE114
WEL 02/11/19 06/07/19 08:00PM 09:10PM T ST203
The above section is a web-enhanced class. Internet access is required.
Instructor: Shao-Ling

BIO-1H Honors General Biology 4 UNITS
Prerequisite: None. Limitation on enrollment. Enrollment in the Honors program.
Description: The course is designed for the non-science major. Students will explore the basic principles of biology, with particular emphasis on the molecular and cellular basis of life as well as genetics, development, evolution and ecology. Discussions on the philosophy, unifying concepts and applications/implications of biology will be included. The Honors course offers an enriched experience for accelerated students through smaller class size; a focus on the evidentiary basis of biological models; and the application of higher level critical thinking skills. Moreover, a thematic/concept-based approach to the course material will be used rather than the traditional topic-based, survey format. The laboratory component will involve completion of directed research projects that culminate in the submission and presentation of research papers, oral presentations and/or poster presentations in the appropriate scientific format. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory.

32833 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00PM 09:10PM W IT128
WEL 02/11/19 06/07/19 08:00PM 09:10PM TH ST203
The above section is a web-enhanced class. Internet access is required.
Instructor: Shao-Ling

BIO-3 Field Botany 4 UNITS
Prerequisite: None.
Description: Introduction to the classification of native and introduced plants with special emphasis on identification of species. Several field trips. 54 hours lecture and 54 hours laboratory.

32068 Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:15AM 12:40PM TH IT128
WEL 02/11/19 06/07/19 08:00PM 11:10AM TH IT128
The above section is a web-enhanced class. Internet access is required.
Instructor: Shao-Ling

BIO-4  Human Biology (formerly Bio-17)  4 UNITS  
Prerequisite: None  
Description: A non-major introductory course in biology which covers an integrated study of the basic principles of biology as revealed in the human body. Emphasis is placed on cellular and system organization in relation to specific functions and common disorders affecting the body; the interaction between the human body and its environment. Controversial, thought-provoking topics related to modern biology and medical advances involving genetic engineering will be included. This course satisfies the district graduation and transfer requirements for a science lecture and laboratory course. 54 hours lecture and 54 hours laboratory.  
32843  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  12:45PM  02:10PM  TTH  ST207  
WED  02/11/19  06/07/19  02:30PM  03:55PM  TH  ST207  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 34.ivan@norcoca.edu  

BIO-10  Life Science Principles  3 UNITS  
Prerequisite: None  
Description: For non-life science majors. An introduction to the principles of life sciences through the study of basic biological concepts of living organisms involving structure, behavior, evolutionary relationships and the social and environmental implications of life science. No credit at the University of California if taken following BIO-1 or 1H. 54 hours lecture.  
32066  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  12:45PM  02:10PM  MW  IT110  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 34.ivan@norcoca.edu  

BIO-16  Human Reproduction and Sexual Behavior  (formerly Bio-30)  3 UNITS  
Prerequisite: None.  
Description: Human anatomy, physiology and behavior as related to sexual reproduction, including discussion of fertilization, pregnancy, childbirth and birth control. Consideration also will be given to homosexuality, sexually transmitted disease, sex education, and sexual intercourse and response. 54 hours lecture.  
(Letter Grade only)  
32840  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  12:45PM  02:10PM  MW  AEDC14  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 34.ivan@norcoca.edu  

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.  
32841  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  08:00AM  09:25AM  THH  SEM201  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 34.ivan@norcoca.edu  

BIO-19  Environmental Science (formerly Bio-36)  3 UNITS  
Prerequisite: None  
Description: A study of humans in relation to the environment that emphasizes population ecology, nutrient cycles and energy flow, pollution, food production, and conservation of natural resources. 54 hours lecture.  
32842  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  08:00AM  11:00AM  T  IT128  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 34.ivan@norcoca.edu  

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.  
32844  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  04:15PM  05:40PM  MW  IT101  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 34.ivan@norcoca.edu  

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.  
32846  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  02:00PM  04:05PM  T  HUM201  
WED  02/11/19  06/07/19  02:30PM  04:35PM  TH  ST211  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 34.ivan@norcoca.edu  

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.  
32845  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  05:15PM  06:00PM  T  ST207  
WE  02/11/19  06/07/19  05:15PM  06:05PM  TH  ST207  
WED  02/11/19  06/07/19  05:30PM  06:40PM  TH  ST207  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 34.ivan@norcoca.edu
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 106 hours laboratory.
32847  Last day to add: 02/22/19
WE  02/11/19  06/07/19  05:30PM  06:20PM  T  ST211
WE2  02/11/19  06/07/19  05:30PM  06:35PM  TH  ST211
WEL  02/11/19  06/07/19  02:00PM  03:10PM  TH  ST211
The above section is a web-enhanced class. Internet access is required.
Instructor: 3a 18

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.
32848  Last day to add: 02/22/19
WE  02/11/19  06/07/19  11:30AM  12:20PM  T  IT101
WE2  02/11/19  06/07/19  11:30AM  12:35PM  TH  IT101
WEL  02/11/19  06/07/19  08:00AM  11:10AM  TH  IT101
The above section is a web-enhanced class. Internet access is required.
Instructor: 3a 18

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.
32849  Last day to add: 02/22/19
WE  02/11/19  06/07/19  11:30AM  12:20PM  T  IT101
WE2  02/11/19  06/07/19  11:30AM  12:35PM  TH  IT101
WEL  02/11/19  06/07/19  08:00AM  11:10AM  MW  ST207
The above section is a web-enhanced class. Internet access is required.
Instructor: 3a 18

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.
32850  Last day to add: 02/22/19
WE  02/11/19  06/07/19  11:30AM  12:20PM  M  ST207
WE2  02/11/19  06/07/19  11:30AM  12:35PM  W  ST207
WEL  02/11/19  06/07/19  01:15PM  02:20PM  MW  ST207
The above section is a web-enhanced class. Internet access is required.
Instructor: 3a 18

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.
32851  Last day to add: 02/22/19
WE  02/11/19  06/07/19  11:30AM  12:20PM  M  A1EC14
WE2  02/11/19  06/07/19  11:30AM  12:35PM  W  A1EC14
WEL  02/11/19  06/07/19  12:40PM  01:50PM  MW  ST211
The above section is a web-enhanced class. Internet access is required.
Instructor: 3a 18

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.
32852  Last day to add: 02/22/19
WE  02/11/19  06/07/19  04:15PM  05:05PM  M  A1EC14
WE2  02/11/19  06/07/19  04:15PM  05:20PM  W  A1EC14
WEL  02/11/19  06/07/19  12:40PM  03:50PM  MW  ST211
The above section is a web-enhanced class. Internet access is required.
Instructor: 3a 18

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.
32853  Last day to add: 02/22/19
WE  02/11/19  06/07/19  04:15PM  05:05PM  M  A1EC14
WE2  02/11/19  06/07/19  04:15PM  05:20PM  W  A1EC14
WEL  02/11/19  06/07/19  12:40PM  03:50PM  MW  ST211
The above section is a web-enhanced class. Internet access is required.
Instructor: 3a 18

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.
32854  Last day to add: 02/22/19
WE  02/11/19  06/07/19  04:15PM  05:05PM  M  A1EC14
WE2  02/11/19  06/07/19  04:15PM  05:20PM  W  A1EC14
WEL  02/11/19  06/07/19  12:40PM  03:50PM  MW  ST211
The above section is a web-enhanced class. Internet access is required.
Instructor: 3a 18
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO-50B</td>
<td>Anatomy and Physiology II (formerly Amy-2b)</td>
<td>4 UNITS</td>
<td>Prerequisite: BIO-50A</td>
<td>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 106 hours laboratory.</td>
</tr>
<tr>
<td>BIO-55</td>
<td>Microbiology (formerly Mic-1)</td>
<td>4 UNITS</td>
<td>Prerequisite: CHE-2A or CHE-2B, and BIO-1 or BIO-1H or BIO-50A or BIO-60 or BIO-60H</td>
<td>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.</td>
</tr>
<tr>
<td>BIO-60</td>
<td>Introduction to Molecular and Cellular Biology (formerly Bio-11)</td>
<td>5 UNITS</td>
<td>Prerequisite: CHE-1A or CHE-1AH</td>
<td>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.</td>
</tr>
<tr>
<td>BIO-55</td>
<td>Microbiology (formerly Mic-1)</td>
<td>4 UNITS</td>
<td>Prerequisite: CHE-2A or CHE-2B, and BIO-1 or BIO-1H or BIO-50A or BIO-60 or BIO-60H</td>
<td>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.</td>
</tr>
<tr>
<td>BIO-61</td>
<td>Introduction to Organismal and Population Biology (formerly Bio-12)</td>
<td>5 UNITS</td>
<td>Prerequisite: BIO-60 or BIO-60H</td>
<td>Description: An intensive course designed for all Life Science majors to prepare the student for upper division courses in organismal and population biology. Course material includes plant structure and function, animal systems and behavior, ecological diversity and dynamics, and evolutionary theory, including population genetics. This course along with Biology 11 is intended to fulfill a year of transferable lower division general biology. Some field trips are required. 72 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
</tbody>
</table>

**Notes:**
- SPRING 2019
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BUSINESS ADMINISTRATION

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)
32076 Last day to add: 02/22/19
Q 02/11/19 06/07/19 ONLINE
The above section is a web-enhanced class. Internet access is required.
See www.opencampus.com
Instructor: LWhite

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)
32077 Last day to add: 02/19/19
Q 02/11/19 04/09/19 ONLINE
The above section is a short term hybrid class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: GZwart

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)
32078 Last day to add: 04/23/19
Q 04/15/19 06/09/19 ONLINE
The above section is a short term online class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: VMixon

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)
32079 Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:30AM 09:00AM MW AEC210
The above section is a web-enhanced class. Internet access is required.
Instructor: AMartin

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)
32073 Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:15AM 12:40PM TTH
The above section is a web-enhanced class. Internet access is required.
Instructor: LWhite

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)
32074 Last day to add: 02/17/19
HYB 02/13/19 04/03/19 06:00PM 09:10PM W IT123
HYBO 02/13/19 04/03/19 ONLINE
The above section is a short term hybrid class. Computer with Internet access required.
Instructor: AMartin

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)
32075 Last day to add: 04/21/19
HYB 04/17/19 06/05/19 06:00PM 09:10PM W IT123
HYBO 04/17/19 06/05/19 ONLINE
The above section is a short term hybrid class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: AMartin

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)
32076 Last day to add: 02/22/19
OL 02/11/19 06/07/19 ONLINE
The above section is an online class. Computer with Internet access required.
Instructor: GZwart

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)
32077 Last day to add: 02/19/19
OL 02/11/19 04/05/19 ONLINE
The above section is a short term online class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: GZwart

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)
32078 Last day to add: 04/23/19
OL 04/15/19 06/09/19 ONLINE
The above section is a short term online class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: VMixson

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)
32079 Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:30AM 09:00AM MW AEC210
The above section is a web-enhanced class. Internet access is required.
Instructor: AMartin

BUS-14 Social Media and Online Marketing for Entrepreneurs 3 UNITS
Prerequisite: None.
Description: This course introduces social media and online marketing tools for small businesses. Topics include social networking, online marketing channels, and creating an online presence for small businesses. 54 hours lecture.
32079 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 10:10AM T 066301
The above section is a web-enhanced class. Internet access is required.
Instructor: AMartin
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.
32080  Last day to add: 02/22/19
OL  02/19/19 06/07/19 04:15PM 07:25PM  W  I T  108
The above section is an online class. Computer with Internet access required.
See www.opencampus.com
Instructor: S. Johnson

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.
32085  Last day to add: 04/21/19
HB  04/17/19 06/05/19 04:15PM 07:25PM  W  IT108
The above section is a short term hybrid class. Computer with Internet access required.
See www.opencampus.com Reenrollment 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 1st 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.
32087  Last day to add: 02/22/19
WE  02/19/19 06/07/19 04:10PM 05:35PM  TTH  A T E C 204
The above section is a short term hybrid class. Computer with Internet access required.
See www.opencampus.com Reenrollment start and end dates
Instructor: S. Worsham

BUS-20  Business Mathematics  3 UNITS
Prerequisite: None
Description: An introduction to quantitative approaches for solving common business problems using general mathematics and 1st 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.
32088  Last day to add: 04/23/19
QL  02/19/19 06/07/19 04:00PM 06:30PM  ONLINE
The above section is an online class. Computer with Internet access required.
See www.opencampus.com
Instructor: S. Worsham

BUS-20  Business Mathematics  3 UNITS
Prerequisite: None
Description: An introduction to quantitative approaches for solving common business problems using general mathematics and 1st 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.
32089  Last day to add: 06/07/19
QL  06/05/19 06/07/19 04:00PM 06:30PM  ONLINE
The above section is an online class. Computer with Internet access required.
See www.opencampus.com
Instructor: S. Johnson

BUS-20  Business Mathematics 3 UNITS  
Prerequisite: None  
Description: An introduction to quantitative approaches for solving common business problems using general mathematics and algebra. 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.  
OL 02/11/19 06/07/19 ONLINE 32092 Last day to add: 02/22/19

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.  
OL 02/11/19 04/09/19 ONLINE 32093 Last day to add: 02/19/19 Q: 02/11/19 04/09/19 H H H H ONLINE  
The above sections is a short term online class. Computer with Internet access required. See www.opencampus.com. ReDesigned start and end dates  
Instructor: RBeck

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.  
HB 02/11/19 06/07/19 06:00PM 07:25PM TH IT123  
OL 02/11/19 06/07/19 H H H H ONLINE  
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com. ReDesigned start and end dates  
Instructor: EDoucette

BUS-85  Warehouse Management 3 UNITS  
Prerequisite: None  
Description: Introduction to an integrated logistics approach to warehouse management. Includes the role of warehousing within the supply chain, performance metrics, applicable leadership basics, how to interact with other logistics managers to optimize overall activity, as well as principles of warehouse location, design, layout, operating functions, and customer service. 54 hours lecture.  
OL 04/15/19 06/07/19 08:30AM 12:55PM M IT21  
OL 04/15/19 06/07/19 H H H H ONLINE  
The above section is a short term online class. Computer with Internet access required. See www.opencampus.com. ReDesigned start and end dates  
Instructor: RBeck

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.  
OL 02/11/19 06/07/19 06:00PM 09:10PM M IT21  
OL 02/11/19 06/07/19 H H H H ONLINE  
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com. ReDesigned start and end dates  
Instructor: EDoucette

BUS-20  Business Mathematics 3 UNITS  
Prerequisite: None  
Description: An introduction to quantitative approaches for solving common business problems using general mathematics and algebra. 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.  
OL 02/11/19 06/07/19 ONLINE 32092 Last day to add: 02/22/19

BUS-85  Warehouse Management 3 UNITS  
Prerequisite: None  
Description: Introduction to an integrated logistics approach to warehouse management. Includes the role of warehousing within the supply chain, performance metrics, applicable leadership basics, how to interact with other logistics managers to optimize overall activity, as well as principles of warehouse location, design, layout, operating functions, and customer service. 54 hours lecture.  
OL 02/11/19 06/07/19 06:00PM 09:10PM M IT21  
OL 02/11/19 06/07/19 H H H H ONLINE  
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com. ReDesigned start and end dates  
Instructor: EDoucette

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. 54 hours lecture.  
33001 Last day to add: 02/22/19

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.  
OL 02/11/19 06/07/19 06:00PM 09:10PM M IT21  
OL 02/11/19 06/07/19 H H H H ONLINE  
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com. ReDesigned start and end dates  
Instructor: EDoucette

BUS-20  Business Mathematics 3 UNITS  
Prerequisite: None  
Description: An introduction to quantitative approaches for solving common business problems using general mathematics and algebra. 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.  
OL 02/11/19 06/07/19 ONLINE 32092 Last day to add: 02/22/19

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.)  
OL 02/11/19 06/07/19 06:00PM 09:10PM M IT21  
OL 02/11/19 06/07/19 H H H H ONLINE  
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com. ReDesigned start and end dates  
Instructor: RBeck

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.  
OL 02/11/19 06/07/19 06:00PM 09:10PM M IT21  
OL 02/11/19 06/07/19 H H H H ONLINE  
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com. ReDesigned start and end dates  
Instructor: EDoucette

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.)  
OL 02/11/19 06/07/19 H H H H ONLINE  
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com. ReDesigned start and end dates  
Instructor: CDyer

See www.opencampus.com. Please note the start and end dates.

See www.opencampus.com. Please note the start and end dates.
BUS-87 Purchasing and Supply Management 3 UNITS
Prerequisite: None
Description: This course is designed to teach the fundamentals of written and oral communications in business by providing specific practical applications. Emphasis will be on written and oral communications, stressing the most common forms of correspondence. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
32099 Last day to add: 02/22/19
Q: 02/11/19 03/07/19 MW 10:40AM 02:10PM
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: B Fuller

CHEMISTRY

CHE-1A General Chemistry I 5 UNITS
Prerequisite: CHE-2A or CHE-3 and MAT-35
Description: This course is designed to teach the fundamentals of written and oral communications in business by providing specific practical applications. Emphasis will be on written and oral communications, stressing the most common forms of correspondence. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
32099 Last day to add: 02/22/19
Q: 02/11/19 03/07/19 MW 10:40AM 02:10PM
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: B Fuller

CAT-98A Introduction to Excel 1.50 UNITS
Prerequisite: None
Description: Skill development in electronic spreadsheets using Excel for business and scientific related applications. 27 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)
32101 Last day to add: 02/22/19
Q: 02/11/19 03/07/19 MW 10:40AM 02:10PM
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

CAT-98B Advanced Excel 1.50 UNITS
Prerequisite: CAT-98A
Description: Advanced concepts of MS-Excel including managing large spreadsheets, creating and working with databases, creating and using templates, and macro creation. Spreadsheet manipulation with advanced macro techniques, customizing Excel screen and toolbars and solving problems with goal seeker and solver. 27 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)
32103 Last day to add: 02/22/19
Q: 02/11/19 03/07/19 MW 10:40AM 02:10PM
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

CAT-1A Business Etiquette 1 UNIT
Prerequisite: None
Description: This course provides students with both the knowledge and the skills required to quickly apply business standards of acceptable behavior and etiquette to project a professional image. It addresses additional topics, such as financial planning, appropriate use of workplace technologies, and written business communications, that students need to know when transitioning from campus to the workplace. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)
32107 Last day to add: 02/22/19
Q: 02/11/19 03/07/19 MW 10:40AM 02:10PM
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: B Fuller

CAT-31 Business Communications 3 UNITS
Prerequisite: None
Advisory: CAT-30
Description: This course is designed to teach the fundamentals of written and oral communications in business by providing specific practical applications. Emphasis will be on written and oral communications, stressing the most common forms of correspondence. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
32099 Last day to add: 02/22/19
Q: 02/11/19 03/07/19 MW 10:40AM 02:10PM
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: B Fuller

CHE-1AH 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.)
32108 Last day to add: 02/22/19
WE 02/11/19 03/07/19 07:30AM 09:00AM MV IT128
WE 02/11/19 03/07/19 11:00AM 02:10PM MV HUM208
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: B Fuller

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.)
32107 Last day to add: 02/22/19
WE 02/11/19 03/07/19 11:00AM 02:10PM MV IT128
WE 02/11/19 03/07/19 10:40AM 03:00PM MV HUM208
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: B Fuller
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.)  
32860  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  01:30PM  04:50PM  F  HUM201  
WEL  02/11/19  06/07/19  01:30PM  04:50PM  MW  HUM208  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 3a  

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, 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.)  
32109  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  09:15AM  12:40PM  TTH  IT101  
WEL  02/11/19  06/07/19  09:00AM  12:30PM  MW  IT101  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 3a  

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. Fullfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)  
32861  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  11:00AM  12:25PM  MV  IT101  
WEL  02/11/19  06/07/19  02:30PM  05:40PM  W  HUM204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 3a  

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. Fullfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)  
32862  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  11:00AM  12:25PM  MV  IT101  
WEL  02/11/19  06/07/19  02:30PM  05:40PM  W  HUM204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 3a  

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. Fullfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)  
32115  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  11:00AM  12:25PM  TTH  IT107  
WEL  02/11/19  06/07/19  02:30PM  05:40PM  T  HUM204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 3a  

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. Fullfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)  
32116  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  11:00AM  12:25PM  TH  IT107  
WEL  02/11/19  06/07/19  02:30PM  05:40PM  TH  HUM204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: 3a
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. Full fills the needs of non-science majors. 54 hours lecture and 54 hours laboratory.  
(Letter Grade, or Pass/No Pass option.)  
32113  Last day to add: 02/22/19  
WE 02/11/19 09:00AM 12:10PM  TH  HUM 208  
The above section is a web-enhanced class. Internet access is required.  
Instructor: Sta

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. Full fills the needs of non-science majors. 54 hours lecture and 54 hours laboratory.  
(Letter Grade, or Pass/No Pass option.)  
32111  Last day to add: 02/22/19  
WE 02/11/19 09:00AM 12:10PM  TH  HUM 208  
The above section is a web-enhanced class. Internet access is required.  
Instructor: Sta

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. Full fills the needs of non-science majors. 54 hours lecture and 54 hours laboratory.  
(Letter Grade, or Pass/No Pass option.)  
32112  Last day to add: 02/22/19  
WE 02/11/19 09:00AM 12:10PM  TH  HUM 208  
The above section is a web-enhanced class. Internet access is required.  
Instructor: Sta

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. Full fills the needs of non-science majors. 54 hours lecture and 54 hours laboratory.  
(Letter Grade, or Pass/No Pass option.)  
32117  Last day to add: 02/22/19  
WE 02/11/19 09:00AM 12:10PM  TH  HUM 208  
The above section is a web-enhanced class. Internet access is required.  
Instructor: Sta

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. Full fills the needs of non-science majors. 54 hours lecture and 54 hours laboratory.  
(Letter Grade, or Pass/No Pass option.)  
32118  Last day to add: 02/22/19  
WE 02/11/19 09:00AM 12:10PM  TH  HUM 208  
The above section is a web-enhanced class. Internet access is required.  
Instructor: Sta

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.)  
32105  Last day to add: 02/22/19  
WE 02/11/19 09:00AM 12:10PM  TH  HUM 208  
The above section is a web-enhanced class. Internet access is required.  
Instructor: Sta

CHE-12B  Organic Chemistry, II  5 UNITS  
Prerequisite: CHE-12A  
Description: Continues discussion based on the content of CHE-12A. 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.)  
32106  Last day to add: 02/22/19  
WE 02/11/19 09:00AM 12:10PM  TH  HUM 208  
The above section is an online class. Computer with Internet access required.  
Instructor: Sta

COMPUTER INFORMATION SYSTEMS

GS-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.  
32128  Last day to add: 02/22/19  
Q 02/11/19 09:00AM 12:10PM  TH  HUM 208  
The above section is an online class. Computer with Internet access required.  
See www.openpacs.com. All hours, including the 18-hour laboratory requirement, are completed online.  
Instructor: Jeremy


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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.

32130 Last day to add: 02/22/19
QL 02/11/19 06/07/19 M W F ONLINE
QL 02/11/19 06/07/19 M W F ONLINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: JFerry

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.

32132 Last day to add: 02/22/19
QL 02/11/19 06/07/19 M W F ONLINE
QL 02/11/19 06/07/19 M W F ONLINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: CBrotherton

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.

32133 Last day to add: 02/22/19
QL 02/11/19 06/07/19 M W F ONLINE
QL 02/11/19 06/07/19 M W F ONLINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: CBrotherton

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.

32126 Last day to add: 02/22/19
HB 02/11/19 06/07/19 08:00AM 09:25AM T ALCE118
HB 02/11/19 06/07/19 08:00AM 09:25AM TH ALCE118
HB 02/11/19 06/07/19 08:00AM 09:25AM TH ONLINE
HB 02/11/19 06/07/19 08:00AM 09:25AM TH ONLINE
The above section is a hybrid class. Computer with Internet access required. See www.opencampus.com. Half of the lecture time and the designated 18-hour laboratory requirement is completed online.
Instructor: CBrotherton
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QS-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.
32134  Last day to add: 02/22/19
H/B  02/11/19  06/07/19  02:30PM  03:55PM  M  AEEC118
H/BO  02/11/19  06/07/19  T  TH  F  ONLINE
H/BO  02/11/19  06/07/19  T  TH  F  ONLINE
The above section is a hybrid class. Computer with Internet access required.
See www.opencampus.com. All hours, including the designated 18-hour laboratory requirement, are completed online.
Instructor: JGardale

QS-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.
32135  Last day to add: 02/22/19
H/B  02/11/19  06/07/19  02:30PM  03:55PM  T  AEEC118
H/BO  02/11/19  06/07/19  T  TH  F  ONLINE
H/BO  02/11/19  06/07/19  T  TH  F  ONLINE
The above section is a hybrid class. Computer with Internet access required.
See www.opencampus.com. Half of the lecture time and the designated 18-hour laboratory requirement is completed online.
Instructor: JGardale

QS-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.
32896  Last day to add: 02/22/19
H/B  02/11/19  06/07/19  02:30PM  03:55PM  T/H  AEEC118
H/BO  02/11/19  06/07/19  T  TH  F  ONLINE
H/BO  02/11/19  06/07/19  T  TH  F  ONLINE
The above section is a hybrid class. Computer with Internet access required.
See www.opencampus.com. Half of the lecture time and the designated 18-hour laboratory requirement is completed online.
Instructor: JGardale

QS-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, 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.
32136  Last day to add: 02/22/19
LEC  02/11/19  06/07/19  05:55PM  08:00PM  M  AEEC118
L/B  02/11/19  06/07/19  09:10PM  10:00PM  M  AEEC118
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.

QS-5  Programming Concepts and Methodology I: C++  4 UNITS
Prerequisite: None
Advisory: QS-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.
32139  Last day to add: 02/22/19
HYB  02/11/19  06/07/19  02:30PM  03:55PM  M  AEEC118
HYBO  02/11/19  06/07/19  T  TH  F  ONLINE
HYBLO  02/11/19  06/07/19  T  TH  F  ONLINE
The above section is a hybrid class. Computer with Internet access required.
See www.opencampus.com. Half of the lecture time and the designated 18-hour laboratory requirement is completed online.
Instructor: JPerry

QS-5  Programming Concepts and Methodology I: C++  4 UNITS
Prerequisite: None
Advisory: QS-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.
32140  Last day to add: 02/22/19
HYB  02/11/19  06/07/19  02:30PM  03:55PM  T  ATEC118
HYBO  02/11/19  06/07/19  T  TH  F  ONLINE
HYBLO  02/11/19  06/07/19  T  TH  F  ONLINE
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: JPerry

QS-5  Programming Concepts and Methodology I: C++  4 UNITS
Prerequisite: None
Advisory: QS-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.
32141  Last day to add: 02/22/19
Q  02/11/19  06/07/19  T  TH  F  ONLINE
QL  02/11/19  06/07/19  T  TH  F  ONLINE
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: JPerry
QG-5  Programming Concepts and Methodology I: C++  4 UNITS
Prerequisite: None
Advisory: QG-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.
32141  Last day to add: 02/22/19
Q  02/11/19  06/07/19  [ ]  [ ]  [ ]  ONLINE
QL  02/11/19  06/07/19  [ ]  [ ]  [ ]  ONLINE
OL  02/11/19  06/07/19  [ ]  [ ]  [ ]  ONLINE

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

QG-11  Computer Architecture and Organization: Assembly  3 UNITS
Prerequisite: None
Advisory: QG/CS-5
Description: An introduction to microprocessor architecture and assembly language programming. The relationship between hardware and software will be examined in order to understand the interaction between a program and the total system. Mapping of statements and constructs in a high-level language onto sequences of machine instructions is studied as well as the internal representation of simple data types and structures. Numerical computation is performed, noting the various data representation errors and potential procedural errors. 54 hours lecture and 18 hours laboratory. (TBA option)
32119  Last day to add: 02/22/19
WE  02/11/19  06/07/19  07:55AM 10:40AM M  ATEC 118
W2  02/11/19  06/07/19  08:25AM 11:00AM W  ATEC 118
WE  02/11/19  06/07/19  04:10PM 06:45PM M  ATEC 118
WEL  02/11/19  06/07/19  03:45PM 06:20PM M  ATEC 118
OL  02/11/19  06/07/19  07:55AM 10:40AM M  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: S. Rit

QG-14A  Web Programming: JavaScript  3 UNITS
Prerequisite: None
Advisory: Previous programming experience and knowledge of HTML, QG/CS-5 and QG-72A
Description: Fundamentals of JavaScript programming for the world wide web for students already familiar with the fundamentals of programming and HTML. Language features will include control structures, functions, arrays, JavaScript objects, browser objects and events. Web applications will include image rollovers, user interactivity, manipulating browser windows, form validation and processing, cookies, creating dynamic content, and Dynamic HTML programming. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)
32120  Last day to add: 02/22/19
WE  02/11/19  06/07/19  07:35PM 09:20PM M  SEM 125
W2  02/11/19  06/07/19  08:05PM 10:00PM M  SEM 125
WE  02/11/19  06/07/19  07:35PM 09:20PM M  SEM 125
WEL  02/11/19  06/07/19  08:05PM 10:00PM W  SEM 125
OL  02/11/19  06/07/19  07:35PM 09:20PM M  SEM 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: J. Willin

QG-17A  Programming Concepts and Methodology II: C++ 3 UNITS
Prerequisite: QG/CS-C5
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)
32122  Last day to add: 02/22/19
Q  02/11/19  06/07/19  [ ]  [ ]  [ ]  ONLINE
QL  02/11/19  06/07/19  [ ]  [ ]  [ ]  ONLINE
OL  02/11/19  06/07/19  [ ]  [ ]  [ ]  ONLINE

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

QG-17A  Programming Concepts and Methodology II: C++ 3 UNITS
Prerequisite: QG/CS-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)
32121  Last day to add: 02/22/19
WE  02/11/19  06/07/19  11:10AM 12:35PM M  IT 127
WEL  02/11/19  06/07/19  10:00AM 11:25AM M  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: A. Reiney

QG-17C  C++ Programming: Data Structures  3 UNITS
Prerequisite: None
Advisory: QG/CS-17A
Description: This course offers a thorough presentation of the essential principles and practices of data structures using the C++ programming language. The course emphasizes abstract data types, software engineering principles, lists, stacks, queues, trees, graphs, and the comparative analysis of algorithms. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)
32124  Last day to add: 02/22/19
HEB  02/11/19  06/07/19  06:00PM 08:00PM W  ATEC 118
HBO  02/11/19  06/07/19  [ ]  [ ]  [ ]  ONLINE

The above section is a hybrid class. Computer with Internet access required.
See www.opencampus.com. The designated 18-hour laboratory requirement is completed online.
Instructor: J. Willin

QG-18A  Java Programming: Objects  3 UNITS
Prerequisite: None
Advisory: QG/CS-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.)
32885  Last day to add: 02/22/19
HEB  02/11/19  06/07/19  06:00PM 08:00PM W  ATEC 118
HBO  02/11/19  06/07/19  [ ]  [ ]  [ ]  ONLINE

Instructor: J. Qamar
CIS-18A  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.)  
32880  Last day to add: 02/22/19  
HMB  02/11/19  06/07/19  08:25PM  09:15PM  T  AEC118  
HMBO  02/11/19  06/07/19  11  11  11  ONLINE  
The above section is a hybrid class. Computer with Internet access required.  
See www.opencampus.com. The designated 18-hour laboratory requirement is completed online. Instructor: B. Fuller  

COMMUNICATION STUDIES  

COM-1  Public Speaking  3 UNITS  
Prerequisite: None  
Advisory: COM-51 and qualification for ENG-1A  
Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)  
32151  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  09:40AM  10:45AM  T  IT210  
The above section is a web-enhanced class. Internet access required.  
Instructor: B. Fuller  

QS-78B  Advanced Adobe Photoshop  3 UNITS  
Prerequisite: QS-78A or CAT-78B  
Description: Advanced techniques and methods for using Adobe Photoshop to produce custom graphic solutions. Focus on real-world projects, work, workflow foundations, adjusting and optimizing images, and tips and tricks for enhanced image creation. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)  
32142  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  09:40AM  11:45AM  T  AEC118  
WEL  02/11/19  06/07/19  10:55AM  11:45AM  TH  AEC118  
The above section is a web-enhanced class. Internet access required.  
Designated laboratory hours are included in the meeting times for this class.  
Instructor: J. O. Connor  

QS-98B  Advanced Excel  1.50 UNITS  
Prerequisite: CAT/QS98A  
Description: Advanced concepts of MS-Excel including managing large spreadsheets, creating and working with databases, creating and using templates, and macro creation. Spreadsheet manipulation  
32146  Last day to add: 02/22/19  
Q  02/11/19  06/07/19  ONLINE  
QL  02/11/19  06/07/19  ONLINE  
The above section is a short term online class. Computer with Internet access required.  
See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online. Please note the start and end dates.  
Instructor: B. Fuller  

QS-18C  Introduction to Operating Systems  3 UNITS  
Prerequisite: QS-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.)  
32137  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  08:00AM  09:25AM  TTH  STEM115  
The above section is a web-enhanced class. Internet access is required.  
Designated laboratory hours are included in the meeting times for this class.  
Instructor: S. B. Joseph  

QS-98A  Introduction to Excel  1.50 UNITS  
Prerequisite: None.  
Description: An introduction to electronic spreadsheets using Excel. (Same as CAT-98A)  
32143  Last day to add: 02/22/19  
QL  02/11/19  06/07/19  ONLINE  
QL  02/11/19  06/07/19  ONLINE  
The above section is an online class. Computer with Internet access required.  
See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.  
Instructor: J. 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 an 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.)
Instructor: MLavis

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 an 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.)
Instructor: MLavis

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 an 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.)
Instructor: MLavis

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 an 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.)
Instructor: MLavis

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 an 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.)
Instructor: MLavis
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.)
Instructor: Sta
32156 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:30PM 09:40PM W  W E Q  Q W6
The above section is a web-enhanced class. Internet access is required.

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.)
Instructor: Sta
32155 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM M I T  IT10
The above section is a web-enhanced class. Internet access is required.

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.)
Instructor: Sta
32150 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:10PM 05:35PM TTH IT10
The above section is a web-enhanced class. Internet access is required.

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.)
Instructor: D.Romo
32782 Last day to add: 03/05/19
WE 02/22/19 06/07/19 07:25PM 10:35PM F IT10
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

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.)
Instructor: D.Romo
32161 Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:10AM 02:10PM MV IT11
The above section is a web-enhanced class. Internet access is required.

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.)
Instructor: D.Romo
32160 Last day to add: 02/22/19
WE 02/11/19 06/07/19 12:45PM 02:10PM MV IT10
The above section is a web-enhanced class. Internet access is required.

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.)
Instructor: D.Romo
32787 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:40PM W  W E Q  W6
The above section is a web-enhanced class. Internet access is required.

**Note:** All sections are web-enhanced and require internet access. Please note the start and end dates for each class.
COM-6  Dynamics of Small Group Communication  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
Description: Analyzes the dynamics of small group communication 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.)
32164  Last day to add: 02/22/19
LEC 02/11/19 06/07/19 09:40AM 11:05AM TTH IT210
The above section is a web-enhanced class. Internet access is required.
Instructor: M Altavilla

COM-7  Oral Interpretation of Literature  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
Description: Preparation and presentation of interpreting literature (prose, poetry and drama). Principles and techniques of interpreting the printed page are related to preparing and presenting oral interpretation of literature for an audience. Provides opportunities for cultural enrichment, literary analysis, creative outlet, articulation and improved speaking ability. Oral presentations required. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
32162  Last day to add: 02/22/19
LEC 02/11/19 06/07/19 09:15AM 10:40AM MW IT108
The above section is a web-enhanced class. Internet access is required.
Instructor: A Oraes

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.)
32167  Last day to add: 02/22/19
LEC 02/11/19 06/07/19 10:40AM 12:05PM MW IT109
Instructor: A Oraes

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.)
32175  Last day to add: 02/22/19
LEC 02/11/19 06/07/19 12:30PM 01:55PM MW GFSR
The above section is part of Norco College's Net Pledge Partnership with the CHP/On Norco serving men pursuing college education while incarcerated at the CHP/On Norco.
Instructor: M Altavilla

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.)
32176  Last day to add: 02/22/19
LEC 02/11/19 06/07/19 08:00AM 09:25AM MW IT123
The above section is a web-enhanced class. Internet access is required.
Instructor: M Altavilla

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.)
32173  Last day to add: 02/22/19
LEC 02/11/19 06/07/19 09:00AM 11:05AM TIH IT108
Instructor: A Oraes

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.)
32156  Last day to add: 03/06/19
WE 02/23/19 06/01/19 08:00AM 11:35AM S IT210
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: L Tufano
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 Grade option.)
32176 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 12:30PM 01:55PM TH CCORU
The above section is part of Norco College's Next Phase Partnership with the CRC in Norco serving men pursuing a college education while incarcerated at the CRC in Norco.
Instructor: S. Li

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 Grade option.)
32172 Last day to add: 02/22/19
WE 02/11/19 06/07/19 12:45PM 02:10PM MW IT210
The above section is a web-enhanced class. Internet access is required.
Instructor: RSlinson

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 Grade option.)
32169 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:10PM 05:35PM MW IT210
The above section is a hybrid class. Computer with Internet access is required.
Instructor: L'Et

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 Grade option.)
32163 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:10PM 05:35PM MV IT210
The above section is a web-enhanced class. Internet access is required.
Instructor: RSlinson

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 Grade option.)
32166 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:10PM 05:35PM W IT210
The above section is a hybrid class. Computer with Internet access is required.
Instructor: JMutn

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 Grade option.)
32170 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM W IT210
The above section is a web-enhanced class. Internet access is required.
Instructor: RSlinson

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 Grade option.)
32171 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM W IT210
The above section is a hybrid class. Computer with Internet access is required.
Instructor: JMutn

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 Grade option.)
32173 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:30PM 09:40PM W IT210
The above section is a web-enhanced class. Internet access is required.
Instructor: RSlinson

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 Grade option.)
32175 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:30PM 09:40PM W IT210
The above section is a hybrid class. Computer with Internet access is required.
Instructor: JMutn
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
</tr>
</thead>
</table>
| COM-12      | Intercultural Communication                       | 3     | None                               | Advisory: COM-51 and qualification for ENG-1A  
Description: This course provides an introduction to the factors affecting intercultural communication. This course focuses on the communication behaviors and values common to all cultures and ethnic groups, as well as the differences that may insulate and divide people. Students will learn to overcome the communication problems that may result when members of other cultures and/or ethnic groups communicate by evaluating their own intercultural communication patterns and learning to increase their effectiveness. 54 hours lecture. (Letter Grade or Pass/No Pass option) |
| CON-60      | Introduction to Construction                      | 3     | None                               | Advisory: None  
Description: This course will provide an overview of the basic concepts of construction, including city and regional planning, managing, contracting, designing, engineering, estimating, bidding, inspection and production work normally associated with construction. An overview of how building codes affect the design, materials and methods of constructing buildings and other projects. Students will be expected to participate in several field trips. 54 hours lecture. |
| CON-62      | Blueprint Reading                                 | 3     | None                               | Advisory: None  
Description: Overview of the basic concepts of reading construction blueprints.  
LEC 02/11/19 06:00PM 09:10PM  
LEC 02/11/19 06:30PM 09:40PM |
| CON-63A     | Uniform Bldg Code/Ordin                           | 3     | None                               | Advisory: COM-51 and qualification for ENG-1A  
Description: Overview of the basic concepts of reading construction blueprints.  
LEC 02/11/19 06:30PM 09:40PM |
| CON-63B     | Analysis of Revisions to the Uniform Building Code| 3     | None                               | Advisory: COM-51 and qualification for ENG-1A  
Description: An analysis of the latest revisions that may be used as a plan check and field inspection aid to ensure a better appraisal of the design. 54 hours lecture. |

**CONSTRUCTION TECHNOLOGY**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
</tr>
</thead>
</table>
| COM-13      | Gender and Communication                          | 3     | None                               | Advisory: COM-51 and qualification for ENG-1A  
Description: A study of theories that address communication styles including similarities and differences between masculine and feminine gender types. Integrates theories to heign students' awareness of the importance of gender as a communication variable. Theoretical approaches to the development of gender are discussed. Gender communication issues are addressed with an emphasis on listening, perception, verbal, nonverbal communication, and conflict management in interpersonal, small group and various other contexts. 54 hours lecture. (Letter Grade, or Pass/No Pass option) |
| CON-62      | Blueprint Reading                                 | 3     | None                               | Advisory: None  
Description: Overview of the basic concepts of reading construction blueprints.  
LEC 02/11/19 06:00PM 09:10PM  
LEC 02/11/19 06:30PM 09:40PM |
| CON-63A     | Uniform Bldg Code/Ordin                           | 3     | None                               | Advisory: COM-51 and qualification for ENG-1A  
Description: Overview of the basic concepts of reading construction blueprints.  
LEC 02/11/19 06:30PM 09:40PM |
| CON-63B     | Analysis of Revisions to the Uniform Building Code| 3     | None                               | Advisory: COM-51 and qualification for ENG-1A  
Description: An analysis of the latest revisions that may be used as a plan check and field inspection aid to ensure a better appraisal of the design. 54 hours lecture. |

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  
WRIK - Work Experience Lecture  
WRK - Work Experience  
WRKX - Hybrid Work Experience  
WRKOE - Work Experience Online
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 is 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 plencheck and field inspection aid to ensure a better appraisal of the latest revisions. 54 hours lecture.
32181 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 06:30PM 09:40PM W IT122
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 is 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 plencheck and field inspection aid to ensure a better appraisal of the latest revisions. 54 hours lecture.
32182 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 06:30PM 09:40PM T IT122
Instructor: P Link

CON-64 Office/Field Inspector 3 UNITS
Prerequisite: None
Description: Building and safety office management and inspections for compliance.
32183 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 06:30PM 09:40PM W IT122
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.
32184 Last day to add: 03/06/19
lec 02/22/19 06/01/19 08:30AM 12:45PM S IT124
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: M Dowlatabadi

CON-67 Mechanical Code 3 UNITS
Prerequisite: None
Description: Review of mechanical codes and regulations in construction.
32185 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 06:30PM 09:40PM TH IT122
Instructor: J Thomas

CON-71 Energy Conservation Standards 1.50 UNITS
Prerequisite: None
Description: Administrative regulations and codes that regulate the energy conservation for new residential buildings. Energy measures and mandatory features and devices that must be installed in new residential buildings and the enforcement by local building departments. 27 hours lecture.
32186 Last day to add: 02/15/19
LEC 02/11/19 03/25/19 06:30PM 09:45PM M IT123
The above section is a short term class. Please note the start and end dates.
Instructor: J Thomas

CON-72 Calif State Accessibility 1.50 UNITS
Prerequisite: None.
Description: Examines the provisions of Title 24 accessibility standards of the California Uniform Building Code.
32187 Last day to add: 04/19/19
LEC 04/15/19 06/03/19 06:00PM 09:35PM M IT123
The above section is a short term class. Please note the start and end dates.
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.)
32189 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 06:00PM 09:10PM M IT110
Instructor: S Rad

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.
32780 Last day to add: 02/22/19
LEC 06/11/19 06/19/19 11:00AM 12:30PM M AEC109
LEC 06/11/19 06/19/19 12:45PM 02:10PM M AEC109
LEC 02/11/19 06/19/19 11:00AM 02:10PM W AEC109
The above section is a short term web-enhanced class. Internet access is required.
Instructor: Akinson

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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Advisory</th>
<th>Description</th>
<th>Last day to add</th>
<th>Time</th>
<th>Location</th>
<th>Instructors</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT-22</td>
<td>Engineering Drawing (same As Ene-22)</td>
<td>3</td>
<td>None</td>
<td>CIS-1A</td>
<td>A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD</td>
<td>02/22/19</td>
<td>03:30PM</td>
<td>MIT 125</td>
<td>F Mirzaei</td>
</tr>
<tr>
<td>DFT-27</td>
<td>Technical Communications (same As Ene-27)</td>
<td>3</td>
<td>None</td>
<td></td>
<td>Procedures for organizing and presenting technical data through informal and formal documents</td>
<td>02/22/19</td>
<td>09:30PM</td>
<td>ATEC 119</td>
<td>A Johnson</td>
</tr>
<tr>
<td>DFT-30</td>
<td>Computer Aided Drafting (CAD)</td>
<td>3</td>
<td>None</td>
<td></td>
<td>A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD</td>
<td>02/22/19</td>
<td>08:00PM</td>
<td>MIT 125</td>
<td>F Mirzaei</td>
</tr>
<tr>
<td>DFT-42</td>
<td>Solidworks I (same As Ene-42)</td>
<td>3</td>
<td>None</td>
<td></td>
<td>Procedures for organizing and presenting technical data through informal and formal documents</td>
<td>02/22/19</td>
<td>09:35PM</td>
<td>MIT 125</td>
<td>F Mirzaei</td>
</tr>
<tr>
<td>DFT-42</td>
<td>Solidworks I (same As Ene-42)</td>
<td>3</td>
<td>None</td>
<td></td>
<td>Procedures for organizing and presenting technical data through informal and formal documents</td>
<td>02/22/19</td>
<td>09:35PM</td>
<td>MIT 125</td>
<td>F Mirzaei</td>
</tr>
</tbody>
</table>
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.)
Last day to add: 02/22/19

DFT-52  Geometric Dimensioning and Tolerancing (same As ENE-52)  2 UNITS
Prerequisite: None
Description: A course presenting the basics of the Standards of Geometric Dimensioning and Tolerancing. This course will help students read, interpret and use ANSI Y14.5M, the current standard for drafting. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)
Last day to add: 02/22/19

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.
Last day to add: 02/22/19

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.

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.

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.

EAR-19  Observation and Assessment-ECCE  3 UNITS
Prerequisite: None
Description: Appropriate use of a variety of assessment and observation strategies to document child development and behavior.
Last day to add: 02/22/19
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. 32193  Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM T IT209
The above section is a web-enhanced class. Internet access is required.
Instructor: Sa

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. 32194  Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:00PM 05:10PM T IT209
The above section is a web-enhanced class. Internet access is required.
Instructor: SBurnett

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. 32195  Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 01:00PM W IT209
The above section is a web-enhanced class. Internet access is required.
Instructor: Sa

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 practice promoting advocacy, ethics, and professional identity. 54 hours lecture. 32196  Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 01:00PM M IT209
The above section is a web-enhanced class. Internet access is required.
Instructor: Sa

EAR-30  Practicum in Early Childhood Education  4 UNITS
Prerequisite: EAR-20 and EAR-24 and EAR-28 and EAR-42
Description: In this course the student will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. Lab hours will be completed under the direction of a qualified Master Teacher (Child Development Permit Matrix, California Commission on Teacher Credentialing) with 3 units of supervised field experience in an ECE setting. 36 hours lecture and 108 hours laboratory. 32197  Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:00PM 04:05PM TH IT209
WE L 02/11/19 06/07/19 08:30AM 01:00PM MW TEBE1
The above section is a web-enhanced class that has lab hours that will be completed at Temple Beth El, Child Development Center, 2675 Central Avenue, Riverside, 951-682-7282.
This class also has required face to face lab on Thursday afternoon at Norco College in IT 209. 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 16th day of the semester. Immunizations and TB tests can be obtained at the Norco College Health Services office, or through your personal health provider. The 16th day of the practicum for both sections begins at Temple Beth El. Monday/Wednesday students will meet with the instructor at Temple Beth El on the 16th day of the semester, Tuesday/Thursday students will meet on the 16th Tuesday of the semester. Entrance into the class will not be allowed without a copy of the completed Child Development Course Clearance Checklist, and students will automatically be dropped from the class. Copies of the clearance form can be located at http://www.norccollege.edu/services/health/Immunization%20Checklist%20Norco%20College_r3.pdf. Take this form with you to your primary health provider to get your required immunizations and bring a copy for Dr. Burnett on the 16th day of the practicum.
Instructor: SBurnett

NORCO COLLEGE
• SPRING 2019 •

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EAR-30  Practicum in Early Childhood Education 4 UNITS
Prerequisite: EAR-20 and EAR-24 and EAR-26 and EAR-42
Description: In this course the student will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum context areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. Lab hours will be completed under the direction of a qualified Master Teacher (Child Development Permit Matrix, California Commission on Teacher Credentialing) with 3 units of supervised field experience in ECE setting. 36 hours lecture and 108 hours laboratory.
32198  Last day to add: 02/22/19
WE  02/11/19  06/07/19  09:00AM 10:25AM  TH  IT209

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.)
32771  Last day to add: 02/22/19
WE  02/11/19  06/07/19  09:40AM 12:50PM  TH  IT209

EAR-46  Curriculum and Strategies for Children with Special Needs 3 UNITS
Prerequisite: None
Advisory: EAR 40
Description: Covers curriculum and intervention strategies for working with children with special needs in partnership with their families. Focuses on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. Includes the role of the teacher as a professional working with families, collaboration with interdisciplinary teams, and cultural competence. 54 hours lecture.
32202  Last day to add: 02/22/19
WE  02/11/19  06/07/19  09:40AM 12:50PM  TH  IT209

EAR-47  Childhood Stress and Trauma 3 UNITS
Prerequisite: None
Description: This course is a comprehensive overview of concepts, theories, and issues related to childhood stress and trauma. Emphasis is on the short- and long-term effects of stress and trauma. A survey of physical, cognitive, language, social, and emotional stages of a child's development. Students will be introduced to child behavior patterns and potential responses to stress and trauma. Students will examine research and innovative methods that support the child's coping skills and healing process. This course is designed to develop an understanding of how children react and adapt to stress and trauma and what parents and early childhood practitioners can do to assist children. Outside observations required. 54 hours lecture.
32203  Last day to add: 02/22/19
WE  02/11/19  06/07/19  09:40AM 12:50PM  T  IT209

EAR-200  Early Childhood Work Exp 1 UNIT
Prerequisite: None.
Advisory: Students should have paid or voluntary employment.
Description: Course is designed to coordinate the student’s occupational on-the-job training with related classroom instruction.
32758  Last day to add: 02/22/19
WRO  02/11/19  06/07/19  ONLINE

ECO-4  Intro Economics 3 UNITS
Prerequisite: None
Description: An entry-level, general education course which introduces and surveys basic macroeconomic and microeconomic principles.
32205  Last day to add: 02/22/19
WE  02/11/19  06/07/19  08:00AM 08:25AM  TH  IT209

HYB - Hybrid Lecture  - HYBJ - Hybrid Lab  - HYBDO - Hybrid Online Lab - HYBND - Hybrid Online Lecture - LAB - Lab - LEC - Lecture - OL - Online Lecture - OLL - Online Lab
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<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>Days/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO-4</td>
<td>Intro Economics</td>
<td>3</td>
<td>None</td>
<td></td>
<td>A general education course which introduces and surveys basic macroeconomic and microeconomic principles.</td>
<td>02/22/19</td>
<td>MW 11:10AM - 12:35PM</td>
<td>IT 109</td>
</tr>
<tr>
<td>ECO-7</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
<td>MAT-52</td>
<td>MAT-35 and qualification for ENG-1A</td>
<td>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.</td>
<td>02/22/19</td>
<td>WE 09:40AM - 11:05AM, MW 12:45PM - 02:10PM</td>
<td>IT 109</td>
</tr>
<tr>
<td>ECO-8</td>
<td>Principles of Microeconomics</td>
<td>3</td>
<td>MAT-52</td>
<td>MAT-35 and qualification for ENG-1A</td>
<td>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.</td>
<td>02/22/19</td>
<td>WE 09:07AM - 11:15AM, MW 12:40PM - 02:10PM</td>
<td>IT 117</td>
</tr>
<tr>
<td>ELC-74</td>
<td>Industrial Wiring and Controls</td>
<td>4</td>
<td>None</td>
<td>Course Credit Recommendation: Degree Credit</td>
<td>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)</td>
<td>02/22/19</td>
<td>WE 09:07AM - 11:15AM, MW 12:40PM - 02:10PM</td>
<td>IT 117</td>
</tr>
</tbody>
</table>

- HYB - Hybrid Lecture
- HYBL - Hybrid Lab
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ELE-10  Survey Electronics 4 UNITS
Prerequisite: None
Description: Basic electronic theory including electron theory, Ohm's Law, DC, AC, vacuum tube and solid state devices, antenna principles, power supplies, amplifiers, RF oscillators, amplitude and frequency modulation, diode detection and superheterodyne receivers, and test equipment operation (emphasis on voltmeter and oscilloscope operation). 54 hours lecture and 54 hours laboratory.
32211  Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:10AM 01:00PM MV AEC119
WEL 02/11/19 06/07/19 11:10AM 12:35PM F AEC119
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.
32212  Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:30PM 09:00PM T H
WEL 02/11/19 06/07/19 06:30PM 07:20PM TH
WE 02/11/19 06/07/19 07:30PM 08:55PM TH
Instructor: G Graham

ELE-27  Technical Communications 3 UNITS
Prerequisite: None
Description: Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.
32213  Last day to add: 02/22/19
WE 02/11/19 06/07/19 09:40AM 11:05AM TTH AEC119
The above section is a web-enhanced class. Internet access is required.
Instructor: A Johnson

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.
32201  Last day to add: 02/22/19
WE 02/11/19 06/07/19 09:40AM 12:00PM W GCT2
WE 02/11/19 06/07/19 09:40AM 10:20AM W GCT2
The above section is a web-enhanced class. Internet access is required.
Instructor: G Balteria

ELE-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.)
32236  Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:15AM 10:05AM M IT124
WE 02/11/19 06/07/19 08:15AM 10:20AM W IT124
WEL 02/11/19 06/07/19 08:15AM 12:20PM F IT124
The above section is a web-enhanced class. Internet access is required.
Instructor: P Van Hulle

ELE-71  Residential Electrical Wiring (same As EBC-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.
32237  Last day to add: 03/06/19
WE 02/23/19 06/01/19 08:00AM 12:15PM S AEC119
WEL 02/23/19 06/01/19 12:45PM 06:00PM S AEC119
The above section is a short-term web-enhanced class. Internet access is required. Please note start and end dates.
Instructor: TQ Hilders

ELE-73  Electric Motors and Transformers (same As EBC-73) 4 UNITS
Prerequisite: None
Description: Enables electricians to understand and effectively wire most standard DC motors, servos and steppers, as well as many AC motors, including single and poly-phase units, from fractional horsepower to multi-horsepower, industrial giants. 54 hours lecture and 54 hours laboratory.
32238  Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 07:25PM MW IT124
WE 02/11/19 06/07/19 07:35PM 08:00PM MV IT124
The above section is a web-enhanced class. Internet access is required.
Instructor: Sqi

ELE-74  Industrial Wiring and Controls (same As EBC-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)
32239  Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:20AM 03:45PM MV IT124
WE 02/11/19 06/07/19 08:20AM 05:20PM MV IT124
WEL 02/11/19 06/07/19 08:20AM 12:20PM F IT124
The above section is a web-enhanced class. Internet access is required.
Instructor: Sqi

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 • WRKX - Work Experience Online

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### ELE-76  Low Voltage Wiring/Alternate Energy  
*Prerequisite: None.*  
*Description:* Electrician training for institutional, educational and government needs, plus specialty areas not generally available from others.  

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>ELE-76</td>
<td>MW</td>
<td>03:00PM - 04:10PM</td>
<td>JACT 1</td>
<td>G Graham</td>
</tr>
</tbody>
</table>

*Last day to add: 02/22/19*

### ELE-77  Electrical Theory (same As Ele-77)  
*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.)  

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>ELE-77</td>
<td>MW</td>
<td>06:00PM - 07:10PM</td>
<td>JACT 9</td>
<td>G Graham</td>
</tr>
<tr>
<td></td>
<td>TTH</td>
<td>07:30PM - 08:55PM</td>
<td>WATEC 119</td>
<td>G Graham</td>
</tr>
</tbody>
</table>

*Last day to add: 02/22/19*

### ELE-91  Fundamentals of Solar Energy  
*Prerequisite: None.*  
*Description:* This course is for students interested in a career in the solar industry. The fundamental principles and functions of photovoltaic industry will be introduced along with the planning, installation and maintenance of all necessary components for a photovoltaic system. The transmission and distribution of electric power will be reviewed and basic concepts of electricity, identification, functions and operations of components will be surveyed. 54 hours lecture.  

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
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</thead>
<tbody>
<tr>
<td>ELE-91</td>
<td>MW</td>
<td>06:30PM - 10:00PM</td>
<td>WATEC 119</td>
<td>G Graham</td>
</tr>
</tbody>
</table>

*Last day to add: 02/22/19*

### ELE-401  Introduction to Electrical Theory, Basic Math Concepts, and the National Electric Code  
*Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice.*  
*Description:* Provides an introduction to algebraic and trigonometric concepts and application of their principles to solve basic electrical equations and layout conduit bends. The student will apply basic electrical theory to predict circuit behavior. Basic conduit bending techniques will be developed. The National Electrical Code will be introduced. 45 hours lecture and 54 hours laboratory.  

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELE-401</td>
<td>MW</td>
<td>08:00AM - 09:25AM</td>
<td>JC T1</td>
<td>G Graham</td>
</tr>
</tbody>
</table>

*Last day to add: 02/22/19*

### ELE-403  ACCircuit Concepts, Applied Electronics, and National Electric Code Applications  
*Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice.*  
*Description:* Electrician AC theory including an exploration of inductance and capacitance and the effects of their combined reactants on AC circuits along with the application of electronic concepts and components. 45 hours lecture and 54 hours laboratory.  

<table>
<thead>
<tr>
<th>Course</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>ELE-403</td>
<td>MW</td>
<td>08:00AM - 09:25AM</td>
<td>JC T3</td>
<td>G Graham</td>
</tr>
</tbody>
</table>

*Last day to add: 02/22/19*
ELE-403  AC Circuit Concepts, Applied Electronics, and National Electric Code Applications (same As ELE-403)  3.50 UNITS
Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice
Description: Electrician AC theory including an exploration of inductance and capacitance and the effect of their combined reactants on AC circuits along with the application of electronic concepts and components. 45 hours lecture and 54 hours laboratory.
32218  Last day to add: [T]
LEC 02/11/19 06/07/19 06:00PM 07:10PM TTH JACT6
LAB 02/11/19 06/07/19 07:20PM 08:45PM TTH JACT6
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee (909) 880-1703.
Instructor: [Name]

ELE-405  Electrician Blueprint Reading with Code Applications for National Electrical Code (NEC)  3.50 UNITS
Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice
Description: Electrician studies of blueprints and specifications. Application of the National Electric Code will cover current protection, panel-boards, and lighting systems. 45 hours lecture and 54 hours laboratory.
32222  Last day to add: [T]
LEC 02/11/19 06/07/19 03:00PM 04:10PM TTH JACT6
LAB 02/11/19 06/07/19 04:20PM 05:45PM TTH JACT6
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee (909) 880-1703.
Instructor: [Name]

ELE-405  Electrician Blueprint Reading with Code Applications for National Electrical Code (NEC)  3.50 UNITS
Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice
Description: Electrician studies of blueprints and specifications. Application of the National Electric Code will cover current protection, panel-boards, and lighting systems. 45 hours lecture and 54 hours laboratory.
32223  Last day to add: [T]
LEC 02/11/19 06/07/19 06:00PM 07:10PM TTH JACT6
LAB 02/11/19 06/07/19 07:20PM 08:45PM TTH JACT6
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee (909) 880-1703.
Instructor: [Name]

ELE-407  Motor Control Principles, Generators and Power Supplies, with National Electric Code (NEC) (same As ELE-407)  3.50 UNITS
Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice
Description: Techniques for controlling AC and DC motors; students examine conventional and cutting-edge technologies for power generation. 45 hours lecture and 54 hours laboratory.
32225  Last day to add: [T]
LEC 02/11/19 06/07/19 03:00PM 04:10PM MW JACT6
LAB 02/11/19 06/07/19 04:20PM 05:45PM MW JACT6
The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee (909) 880-1703.
Instructor: [Name]
ELE-407 Motor Control Principles, Generators and Power Supplies, with National Electric Code (NEC) (same As ELE-407) 3.50 UNITS
Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice
Description: Techniques for controlling AC and DC motors; students examine conventional and cutting-edge technologies for power generation. 45 hours lecture and 54 hours laboratory.
32224 Last day to add: [H]
LEC 02/11/19 08/07/19 08:00AM 09:10AM MW JAC5
LAB 02/11/19 08/07/19 09:20AM 10:45AM MW JAC6
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) 860-1703.
Instructor: Sza [H]

ELE-409 Electrician Specialty Systems (same As ELE-409) 3.50 UNITS
Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice
Description: Examines specialty electrical systems commonly found in building construction. Includes fire alarm systems, closed-circuit television (CCTV) systems, telephone systems, cable television (CATV and MATV) systems, local area networks (LANs), fiber optic data systems, heating and air conditioning control systems, and lightning protection systems. 45 hours lecture and 54 hours laboratory.
32228 Last day to add: [H]
LEC 02/11/19 08/07/19 08:00AM 09:10AM MW JAC7
LAB 02/11/19 08/07/19 09:20AM 10:45AM MW JAC7
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) 860-1703.
Instructor: Sza [H]

ELE-409 Electrician Specialty Systems (same As ELE-409) 3.50 UNITS
Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice
Description: Examines specialty electrical systems commonly found in building construction. Includes fire alarm systems, closed-circuit television (CCTV) systems, telephone systems, cable television (CATV and MATV) systems, local area networks (LANs), fiber optic data systems, heating and air conditioning control systems, and lightning protection systems. 45 hours lecture and 54 hours laboratory.
32229 Last day to add: [H]
LEC 02/12/19 08/07/19 08:00AM 09:10AM MW JAC7
LAB 02/12/19 08/07/19 09:20AM 10:45AM MW JAC7
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) 860-1703.
Instructor: Sza [H]

ELE-409 Electrician Specialty Systems (same As ELE-409) 3.50 UNITS
Prerequisite: None Limitation on enrollment: Student must be a registered State indentured apprentice
Description: Examines specialty electrical systems commonly found in building construction. Includes fire alarm systems, closed-circuit television (CCTV) systems, telephone systems, cable television (CATV and MATV) systems, local area networks (LANs), fiber optic data systems, heating and air conditioning control systems, and lightning protection systems. 45 hours lecture and 54 hours laboratory.
32227 Last day to add: [H]
LEC 02/11/19 08/07/19 08:00AM 09:10AM MW JAC7
LAB 02/11/19 08/07/19 09:20AM 10:45AM MW JAC7
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) 860-1703.
Instructor: Sza [H]
ELE-421  Electrical Theory and Practices DC  
(same As ELE-421)  3.50 UNITS  
Prerequisite: None  
Limitation on enrollment: Student must be a registered State indentured apprentice  
Description: Study of theory and plan views, basic blueprint reading and circuit drawing, theory of magnetism, DC and AC generators, motors and transformers, on-the-job safety, aid, electrical code, telephony and data communications, 45 hours lecture and 54 hours laboratory.

32231  Last day to add: TH  
LEC  02/11/19  06/07/19  08:00AM  07:10PM  MW  JAC8  
LAB  02/11/19  06/07/19  07:20PM  08:45PM  MW  JAC8  

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: Sae FF  

ELE-423  Semiconductor Electronics  
(same As ELE-423)  3.50 UNITS  
Prerequisite: None  
Limitation on enrollment: Student must be a registered State indentured apprentice  
Description: Study of solid-state electronic theory and components, diodes, transistors, SCR, triacs, diacs, IC amplifiers and op amps. 45 hours lecture and 54 hours laboratory.

32232  Last day to add: TH  
LEC  02/11/19  06/07/19  08:00AM  09:20PM  MW  JAC8  
LAB  02/11/19  06/07/19  06:00PM  07:10PM  MW  JAC8  

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: Sae FF  

ELE-425  Management/Alarms/Codes/Circuits  
(same As ELE-425)  3.50 UNITS  
Prerequisite: None  
Limitation on enrollment: Student must be a registered State indentured apprentice  
Description: Introduction to management, installation of security and alarm systems, the National Electrical Code as it relates to alarm installation and circuits as applied to alarm systems. 45 hours lecture and 54 hours laboratory.

32233  Last day to add: TH  
LEC  02/11/19  06/07/19  08:00AM  09:20PM  MW  JAC8  
LAB  02/11/19  06/07/19  06:00PM  07:10PM  MW  JAC8  

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: Sae FF  

ELE-499  Electrician Apprenticeship Work Experience  
(same As ELE-499)  1 UNIT  
Prerequisite: None  
Limitation on enrollment: Student must be a State indentured apprentice  
Description: This course provides students the opportunity to work in the electricians apprenticeship program for the purpose of developing specific skills to meet the goals and objectives of the electricians Joint Apprenticeship and Training Committee (JATC). 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.

32234  Last day to add: TH  
LEC  02/11/19  06/07/19  08:00AM  08:50AM  S  JAC1  

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: Sae FF  

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

32243  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  11:00AM  12:35PM  M  AIEC109  
WEL  02/11/19  06/07/19  12:45PM  02:10PM  M  AIEC109  
WEL2  02/11/19  06/07/19  11:00AM  12:10PM  W  AIEC109  

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

BNE-22  Engineering Drawing  3 UNITS
Prerequisite: BNE-21
Advisory: BNE-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.)
32244  Last day to add: 02/22/19
WE  02/11/19  06/07/19  06:50PM  08:15PM  W  IT-127
WEL  02/11/19  06/07/19  08:50PM  10:00PM  M  IT-127
WEL2  02/11/19  06/07/19  08:20PM  09:45PM  W  IT-127
The above section is a web-enhanced class Internet access is required.
Instructor: G. Cordier

BNE-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.
32245  Last day to add: 02/22/19
WE  02/11/19  06/07/19  06:40PM  11:05AM  THH  ARC-119
The above section is a web-enhanced class Internet access is required.
Instructor: A. Johnson

BNE-28  Technical Design  3 UNITS
Prerequisite: BNE-22
Advisory: BNE-42 and BNE-30 and BNE-52
Description: A study of industrial design and drafting procedures relating to the basic elements of mechanisms, including drawing of machine parts in various stages of manufacturing. Studies will include terminology, power transmission, bearings, shafts, dies, ASME Y-14.5 standards of drawing, geometric dimensioning and tolerancing, and manufacturing processes. Related problems include design layouts and detail assembly drawings. A portfolio of completed drawings is a project requirement for this course (drawings may be drawn using the Computer-aided Design system or the drawing board). 27 hours lecture and 81 hours laboratory. (Letter Grade, or Pass/No Pass option.)
32246  Last day to add: 02/22/19
WE  02/11/19  06/07/19  08:30PM  08:15PM  W  IT-127
WEL  02/11/19  06/07/19  10:00PM  09:45PM  M  IT-127
WEL2  02/11/19  06/07/19  08:20PM  09:45PM  W  IT-127
The above section is a web-enhanced class Internet access is required.
Instructor: G. Cordier

BNE-30  Computer Aided Drafting (CAD)  3 UNITS
Prerequisite: None
Advisory: GS-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.
32247  Last day to add: 02/22/19
WE  02/11/19  06/07/19  08:00PM  09:25PM  M  IT-125
WEL  02/11/19  06/07/19  09:30PM  04:55PM  M  IT-125
WEL2  02/11/19  06/07/19  09:30PM  06:10PM  W  IT-125
The above section is a web-enhanced class Internet access is required.
Instructor: F. Mirzai

BNE-30  Computer Aided Drafting (CAD)  3 UNITS
Prerequisite: None
Advisory: GS-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.
32248  Last day to add: 02/22/19
WE  02/11/19  06/07/19  08:00PM  09:25PM  T  OC-2
WEL  02/11/19  06/07/19  09:30PM  04:55PM  T  OC-2
WEL2  02/11/19  06/07/19  09:30PM  06:10PM  TH  OC-2
The above section is a web-enhanced class Internet access is required.
Instructor: K. Red

BNE-30  Computer Aided Drafting (CAD)  3 UNITS
Prerequisite: None
Advisory: GS-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.
32808  Last day to add: 02/22/19
WE  02/11/19  06/07/19  08:30PM  09:40PM  T  IT-125
WEL  02/11/19  06/07/19  10:00PM  11:55PM  TH  IT-125
WEL2  02/11/19  06/07/19  10:00PM  11:55PM  TH  IT-125
The above section is a web-enhanced class Internet access is required.
Instructor: S. Iri

BNE-35  Statics  3 UNITS
Prerequisite: PHY-4A
Description: A study of force and equilibrium problems; free body diagram techniques, friction problems, second moments and moments of inertia, and their application to engineering. Algebraic, vector and classical, and graphical methods of calculation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
32249  Last day to add: 02/22/19
WE  02/11/19  06/07/19  06:00PM  09:10PM  TH  SBM-332
The above section is a web-enhanced class Internet access is required.
Instructor: A. Johnson

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BNE-41 Engineering Graphics 3 UNITS
Prerequisite: MAT-36 Course Credit Recommendation: Degree Credit
Description: An introduction to principles of engineering drawings in visually communicating engineering designs and an introduction to computer aided design (CAD). Topics include the development of visualization skills, orthographic projections, mechanical dimensioning and tolerancing practices, and the engineering design process. Assignments develop sketching and 2-D and 3-D skills. The use of CAD software is an integral part of this course. 36 hours lecture and 54 hours laboratory.

33034 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:30PM 07:20PM M IT125
The above section is a web-enhanced class. Internet access is required.
Instructor: SGardner

BNE-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.

32251 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:30PM 09:25PM T AEC108
WEL 02/11/19 06/07/19 08:30PM 11:00PM T AEC109
WEL2 02/11/19 06/07/19 08:30PM 11:10PM TH AEC109
The above section is a web-enhanced class. Internet access is required.
Instructor: FMirzai

BNE-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.

32250 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00PM 07:25PM W AEC109
WEL 02/11/19 06/07/19 08:00PM 09:10PM M AEC109
WEL2 02/11/19 06/07/19 07:30PM 08:55PM W AEC109
The above section is a web-enhanced class. Internet access is required.
Instructor: FMirzai

BNE-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.)

32253 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:25AM T AEC109
WEL 02/11/19 06/07/19 08:00AM 09:25AM TH AEC109
The above section is a web-enhanced class. Internet access is required.
Instructor: SGardner

BNE-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.)

32254 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:35PM 06:40PM W IT127
The above section is a web-enhanced class. Internet access is required.
Instructor: GOrder

BNE-60 Math for Engineering Technology 3 UNITS
Prerequisite: None.
Description: Math problems used in industry, including basic arithmetic, algebra, geometry and trigonometry.

32255 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM T SIB302
The above section is a web-enhanced class. Internet access is required.
Instructor: AJohnson

BNE-62 Math for Automated Systems 3 UNITS
Prerequisite: None
Description: Course concepts from arithmetic, algebra, geometry and scientific notation, extended and applied to problems in automation technology from electrical and mechanical engineering, including metal work, welding, and building energy systems. 54 hours lecture.

32799 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:25AM MW AEC119
The above section is a web-enhanced class. Internet access is required.
Instructor: GNava

BNE-61 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.)

32253 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:25AM T AEC109
WEL 02/11/19 06/07/19 08:00AM 09:25AM TH AEC109
The above section is a web-enhanced class. Internet access is required.
Instructor: SGardner
ENGLISH

PLACEMENT GUIDELINES
ENGLISH COMPOSITION COURSES
ENGLISH 1B/1BH
• A grade of C or better in ENG-1A/1AH

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

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

BNG-1A* English Composition 4 UNITS
Prerequisite: BNG-50 or BNG-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)
32273 Last day to add: 02/22/19
OL 02/11/19 06/07/19 ONLINE
OLL 02/11/19 06/07/19 ONLINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: CBrownell

Moving through English, ESL and Reading

English as a Second Language
- Oral Communication
  - ESL-91 Old Skills: Beginning Oral Communication
  - ESL-92 Old Skills: Intermediate Oral Communication
  - ESL-93** Old Skills: Advanced Oral Communication

- Reading & Vocabulary
  - ESL-71 Basic Reading and Vocabulary
  - ESL-72 Intermediate Reading and Vocabulary
  - ESL-73** Intermediate Reading and Vocabulary

- Writing & Grammar
  - ESL-51 Basic Writing & Grammar
  - ESL-52 Low Intermediate Writing & Grammar
  - ESL-53 Intermediate Writing & Grammar
  - ESL-54** High Intermediate Writing & Grammar
  - ESL-55* Advanced Writing & Grammar

English Composition
- ENGL-50 Basic English Composition
- ENGL-1A* English Composition

Reading
- ENGL-18* Critical Thinking & Writing
- ENGL-90 Support

* Indicates UC/CSU transferable course
** Associate Degree applicable only
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)
32264  Last day to add: 02/22/19
WE  02/11/19  05/07/19  07:20AM  08:35AM  MWF  OCT1
WEL  02/11/19  05/07/19  07:20AM  08:35AM  MWF  IT121
The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32265. ENG-91 is a co-requisite support course designed to provide extra support and assistance for students to complete ENG-1A in a single term. More information is available in the Writing Lab in IT121 for 18 hours laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available lab sections.
Instructor: C Liang

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.)
33000  Last day to add: 02/24/19
WE  02/11/19  05/07/19  08:50AM  09:45AM  MWF  IT110
The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32265. ENG-91 is a co-requisite support course designed to provide extra support and assistance for students to complete ENG-1A in a single term. More information is available in the Writing Lab in IT121 for 18 hours laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available lab sections.
Instructor: C Liang

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)
32265  Last day to add: 02/22/19
WE  02/11/19  05/07/19  07:25AM  08:40AM  MWF  IT110
WEL  02/11/19  05/07/19  07:25AM  08:40AM  MWF  IT121
The above section is a web-enhanced class and requires concurrent enrollment in ENG-91-33000. ENG-91 is a co-requisite support course designed to provide extra support and assistance for students to complete ENG-1A in a single term. More information is available in the Writing Lab in IT121 for 18 hours laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available lab sections.
Instructor: C Liang

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)
32279  Last day to add: 02/22/19
WE  02/11/19  05/07/19  07:20AM  08:25AM  TTH  ST108
WEL  02/11/19  05/07/19  07:20AM  08:25AM  TTH  IT121
The above section is a web-enhanced class and the reading and writing assignments center on the African American experience and included students in the Urbana Program. The above section is a 18-hour laboratory requirement. Students are required to attend the Writing Lab in IT121 for 50 minutes each week, and must use Web Advisor to schedule these sessions. Required lab attendance begins the 11th week of the term. See Web Advisor 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)
32279  Last day to add: 02/22/19
WE  02/11/19  05/07/19  07:20AM  08:25AM  TTH  ST108
WEL  02/11/19  05/07/19  07:20AM  08:25AM  TTH  IT121
The above section is a web-enhanced class and the reading and writing assignments center on the African American experience and included students in the Urbana Program. 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 IT121 for 50 minutes each week, and must use Web Advisor to schedule these sessions. Required lab attendance begins the 11th week of the term. See Web Advisor for available WL/LAB times.
Instructor: C Liang

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)
32988  Last day to add: 02/22/19
WE  02/11/19  05/07/19  07:25AM  08:40AM  MWF  IT110
WEL  02/11/19  05/07/19  07:25AM  08:40AM  MWF  IT121
The above section is a web-enhanced class and requires concurrent enrollment in ENG-91-33000. ENG-91 is a co-requisite support course designed to provide extra support and assistance for students to complete ENG-1A in a single term. More information is available in the Writing Lab in IT121 for 18 hours laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available lab sections.
Instructor: C Liang

HYB - Hybrid Lecture - HYB1L - Hybrid Lab - HYBLO - Hybrid Online Lab - HYBOL - Hybrid Online Lecture - LAB - Lab - LEC - Lecture - OL - Online Lecture - OLL - Online Lab

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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.)
32996  Last day to add: 02/24/19

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)
32281  Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:45AM 09:00AM MWF HUM 102
WEL 02/11/19 06/07/19 MF IT121

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)
32281  Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:45AM 09:00AM MWF HUM 102
WEL 02/11/19 06/07/19 MF IT121

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.)
32997  Last day to add: 02/24/19
WE 02/11/19 06/07/19 08:00AM 09:00AM MWF VL 121

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.)
32997  Last day to add: 02/24/19
WE 02/11/19 06/07/19 08:00AM 09:00AM MWF VL 121
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)
32277	 Last day to add: 02/22/19
WE	 02/11/19 05/07/19 07:55AM 10:00AM THU	 VDEMWB
WEL	 02/11/19 05/07/19 [ ] [ ] [ ] IT121

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 1 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.)
33001	 Last day to add: 02/25/19
WE	 02/12/19 05/30/19 10:10AM 11:15AM THU	 VDEMWB

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)
32282	 Last day to add: 02/22/19
WE	 02/11/19 05/07/19 03:15AM 10:30AM MAF	 GCC1
WEL	 02/11/19 05/07/19 [ ] [ ] [ ] IT121

The above section is a web-enhanced class and requires concurrent enrollment in ENG-91-32277. ENG-91 is a co-requisite support course designed to offer extra support and class time for students to complete ENG-1A in a single term. For more information, please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-Lab in WebAdvisor for available laboratory sections. Instructor: TGMtork

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)
32283	 Last day to add: 02/22/19
WE	 02/11/19 05/07/19 08:15AM 10:30AM MAF	 IT123
WEL	 02/11/19 05/07/19 [ ] [ ] [ ] IT121

The above section is a web-enhanced class and requires concurrent enrollment in ENG-91-33002. ENG-91 is a co-requisite support course designed to offer extra support and class time for students to complete ENG-1A in a single term. For more information, please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-Lab in WebAdvisor for available laboratory sections. Instructor: MFhilie

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)
32280	 Last day to add: 02/17/19
HBS	 02/11/19 04/07/19 08:15AM 10:30AM W
HBO	 02/11/19 04/07/19 [ ] [ ] [ ] ONLINE
HBO	 02/11/19 04/07/19 [ ] [ ] [ ] ONLINE
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)
32987 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:40AM 11:55AM THF IT108
WEL 02/11/19 06/07/19 11:30AM 02:45PM THF IT121
The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32987. ENG-1A is a corequisite support course designed to offer extra support and direct time for students to complete English 1 during the term. Further information may be available through your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-Lab in WebAdvisor for available laboratory sections.
Instructor: AElizade

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, grammar, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)
33003 Last day to add: 02/25/19
WE 02/12/19 05/30/19 11:55AM 01:00PM THF IT123
The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-33003. ENG-91 is a co-requisite support course designed to offer extra support and direct time for students to complete English 1A during the term. Further information may be available through your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-Lab in WebAdvisor for available laboratory sections.
Instructor: NApps

ENG-1AH  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)
32987 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:40AM 11:55AM THF IT108
WEL 02/11/19 06/07/19 11:30AM 02:45PM THF IT121
The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32987. ENG-1AH is a corequisite support course designed to offer extra support and direct time for students to complete English 1A during the term. Further information may be available through your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-Lab in WebAdvisor for available laboratory sections.
Instructor: AElizade

ENG-91  Academic Support for English 2 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, grammar, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)
33003 Last day to add: 02/25/19
WE 02/12/19 05/30/19 11:55AM 01:00PM THF IT123
The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-33003. ENG-91 is a co-requisite support course designed to offer extra support and direct time for students to complete English 1A during the term. Further information may be available through your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use WebAdvisor to schedule their lab requirement. See WL-Lab in WebAdvisor for available laboratory sections.
Instructor: AElizade
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.)
32995 Last day to add: 02/24/19

WE 02/11/19 05/29/19 11:15AM 12:20PM MW ST 108

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)
32259 Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 04:05PM TTH ST 108

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.)
32998 Last day to add: 02/24/19

WE 02/11/19 05/29/19 11:15AM 12:20PM MW ST 108

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)
32260 Last day to add: 02/22/19

WE 02/11/19 06/07/19 01:00PM 02:15PM MF ST 108

ENG-1H English Composition 6 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)
32263 Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 04:05PM TH ST 108
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. ENG-91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading, writing, study strategy, collaborative reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)
33015 Last day to add: 02/25/19

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)
32278 Last day to add: 02/22/19

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)
32992 Last day to add: 02/22/19

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)
32266 Last day to add: 02/22/19

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)
32268 Last day to add: 02/22/19

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)
32706 Last day to add: 02/22/19
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)
32275  Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MF St.108
WEL 02/11/19 06/07/19 V V V V IT121

The above section is restricted to Eleanor Roosevelt High School students only.
Instructor: P. Osterhoudt

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)
32993  Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MW LS106
WEL 02/11/19 06/07/19 05:00PM 05:50PM W LS106
The above section is restricted to La Sierra High School students participating in Norco Colleges' Dual Enrollment Program.
Instructor: J. Wilson

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)
32266  Last day to add: 02/22/19
HMB 02/11/19 06/07/19 03:00PM 05:00PM THH ERB212
HMB 02/11/19 06/07/19 V V V V ONLINE
HMBL 02/11/19 06/07/19 V V V V ONLINE

The above section is restricted to Eleanor Roosevelt High School students only.
Instructor: R. Hinch
### 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: 02/22/19

<table>
<thead>
<tr>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:40AM</td>
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</tr>
</tbody>
</table>

### ENG-1AH  Honors 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. 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)

Last day to add: 02/22/19

<table>
<thead>
<tr>
<th>Time</th>
<th>Days</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>09:40AM</td>
<td>TTH</td>
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</tr>
</tbody>
</table>

### 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. Students may not receive credit for both ENG-1B and 1BH. 72 hours lecture and 18 hours laboratory. (TBA option)

Last day to add: 02/22/19

<table>
<thead>
<tr>
<th>Time</th>
<th>Days</th>
<th>Location</th>
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<tbody>
<tr>
<td>09:40AM</td>
<td>TTH</td>
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</tr>
</tbody>
</table>


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### 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.  

<table>
<thead>
<tr>
<th>CRN</th>
<th>Section</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Instructor</th>
<th>Last Day to Add</th>
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<tbody>
<tr>
<td>32888</td>
<td>HYB</td>
<td>MWF</td>
<td>08:00AM - 08:55AM</td>
<td>CRCL609A</td>
<td>S Camacho</td>
<td>02/22/19</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  

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

Instructor: S Camacho
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)  
32994  Last day to add: 02/22/19
WE  02/11/19  06/07/19  08:00AM  10:05AM  TTH  IT  106
VEL  02/11/19  06/07/19  T  F  T  T  IT  121
The above section has reading and writing assignments centered on the African American experience and is designed for students in the Puente Program. Concurrent enrollment in CJ 46-3418 is required. See the instructor and a counselor before enrolling. This 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 in the 1st week of the term. See WebAdvisor for available WL-LAB times.  
Instructor: N. Morford

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)  
32290  Last day to add: 02/22/19
WE  02/11/19  06/07/19  03:40PM  05:45PM  TTH  IT  205
VEL  02/11/19  06/07/19  T  F  T  T  IT  121
The above section has reading and writing assignments centered on the Chicano experience and is designed for students in the Puente Program. Concurrent enrollment in CJ 46-3418 is required. See the instructor and a counselor before enrolling. This 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 in the 1st week of the term. See WebAdvisor for available WL-LAB times.  
Instructor: A. More

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)  
32291  Last day to add: 02/22/19
WE  02/11/19  06/07/19  11:15AM  01:20PM  MWF  HM  102
VEL  02/11/19  06/07/19  T  F  T  T  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 in the 1st 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. (TBA option)  
32310  Last day to add: 02/22/19
LEC  02/11/19  06/07/19  12:30PM  02:35PM  MW  GFCRLL3
LAB  02/11/19  06/07/19  04:00PM  06:05PM  W  GFCRLL3
The above class is part of Norco College's Net Phase Partnership with the GFCOn Norco serving men pursuing a college education while incarcerated at the GFCOn Norco.  
Instructor: S. G."
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)
32304 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 110
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 16th week of the term. See WebAdvisor for available WL/LAB times.
Instructor: FMiersk

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)
32305 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 110
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 16th week of the term. See WebAdvisor for available WL/LAB times.
Instructor: FMiersk

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)
32298 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 122
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 16th week of the term. See WebAdvisor for available WL/LAB times.
Instructor: SKouch

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)
32301 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 123
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 16th week of the term. See WebAdvisor for available WL/LAB times.
Instructor: DMattson

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)
32302 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 123
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 16th week of the term. See WebAdvisor for available WL/LAB times.
Instructor: FMiersk

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)
32303 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 110
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 16th week of the term. See WebAdvisor for available WL/LAB times.
Instructor: FMiersk
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)
Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MWF HUM 102
WEL 02/11/19 06/07/19 02:45PM 04:00PM MWF 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 1st week of the term. See WebAdvisor for available WL-LAB times.
Instructor: Sia R

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)
Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 111
WEL 02/11/19 06/07/19 02:45PM 04:00PM MWF 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 1st week of the term. See WebAdvisor for available WL-LAB times.
Instructor: Sia R

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)
Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MWF LS-H102
WEL 02/11/19 06/07/19 02:45PM 04:00PM MWF LS-H102

The above section is restricted to La Serra High School students participating in Norco College's Dual Enrollment Program. The above section is a web-enhanced class. Designated laboratory hours are included in the meeting times for this class.
Instructor: R Mansikka

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)
Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 06:05PM TTH HER S B203
WEL 02/11/19 06/07/19 04:15PM 06:05PM T HER S B201

The above section is restricted to Bear River High School students participating in Norco College's Dual Enrollment Program. The above section is a web-enhanced class. Designated laboratory hours are included in the meeting times for this class.
Instructor: MM Ueldon

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)
Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 06:05PM MWF IT 110
WEL 02/11/19 06/07/19 04:15PM 06:05PM W IT 121

The above section is restricted to La Serra High School students participating in Norco College's Dual Enrollment Program. The above section is a web-enhanced class. Designated laboratory hours are included in the meeting times for this class.
Instructor: RM Ueldon

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)
Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 06:05PM MWF LS-H102
WEL 02/11/19 06/07/19 04:15PM 06:05PM W LS-H102

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 1st week of the term. See WebAdvisor for available WL-LAB times.
Instructor: R Mansikka
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)
32299 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 05:30PM MAF IT121
WEL 02/11/19 06/07/19 04:15PM 05:30PM MAF IT121
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the 16th week of the term. See WebAdvisor for available WEL/LAB times.
Instructor: D'Mitson

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)
32302 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 05:30PM MAF SN108
WEL 02/11/19 06/07/19 04:15PM 05:30PM MAF IT121
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the 16th week of the term. See WebAdvisor for available WEL/LAB times.
Instructor: STech

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)
32295 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 05:30PM TTH WED46B
WEL 02/11/19 06/07/19 04:15PM 05:30PM TTH IT121
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the 16th week of the term. See WebAdvisor for available WEL/LAB times.
Instructor: JRed

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)
32307 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 05:30PM MAF IT111
WEL 02/11/19 06/07/19 04:15PM 05:30PM MAF IT121
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the 16th week of the term. See WebAdvisor for available WEL/LAB times.
Instructor: EB/ignor

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)
32983 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 05:30PM MAF IT123
WEL 02/11/19 06/07/19 04:15PM 05:30PM MAF IT111
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the 16th week of the term. See WebAdvisor for available WEL/LAB times.
Instructor: S3a B

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)
32294 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 05:30PM MW IT111
WEL 02/11/19 06/07/19 04:15PM 05:30PM IT121
The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the 16th week of the term. See WebAdvisor for available WEL/LAB times.
Instructor: JMeiser
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>ENG-1B</td>
<td>Critical Thinking and Writing</td>
<td>4</td>
<td>None</td>
<td>Building on the rhetorical skills learned in ENG 1A, students will analyze, interpret, and synthesize diverse texts. 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 ENG-1BH. 72 hours lecture and 18 hours laboratory. (TBA)</td>
</tr>
<tr>
<td>ENG-1BH</td>
<td>Honors Critical Thinking and Writing</td>
<td>4</td>
<td>ENG-1A or ENG-1AH</td>
<td>Limitation on enrollment: Enrollment in the Honors Program. 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)</td>
</tr>
<tr>
<td>ENG-14</td>
<td>American Literature I: Pre-Contact through Civil War</td>
<td>3</td>
<td>ENG-50 or ENG-80, or eligibility for ENG-1A</td>
<td>A survey of American literature from the pre-contact period to the Civil War, including a comprehensive exposure to the prose, poetry and fiction of this era as well as a basic understanding of the cultural, intellectual and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option)</td>
</tr>
<tr>
<td>ENG-20</td>
<td>Survey of African American Literature</td>
<td>3</td>
<td>None</td>
<td>Significant works of African American literature from the early oral tradition to the present, including a comprehensive exposure to the cultural, intellectual, and artistic developments 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>
</tr>
<tr>
<td>ENG-41</td>
<td>World Literature II: Seventeenth Century Through the Present</td>
<td>3</td>
<td>ENG-50 or ENG-80</td>
<td>A survey of world literature from the Seventeenth Century through the present, including a comprehensive exposure to the poetry, drama, and fiction of these periods as well as a basic understanding of the cultural, intellectual, and artistic trends these works embody. Emphasis on literature in translation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
<tr>
<td>ENG-44</td>
<td>Poetry from the Twentieth Century to the Present</td>
<td>3</td>
<td>None</td>
<td>The study of major voices and trends in poetry of the twentieth and twenty-first centuries, examining the cultural and artistic contexts from which this poetry emerged. Topics include poetic structure and development and thematic elements. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
<tr>
<td>ENG-9</td>
<td>Introduction to Shakespeare</td>
<td>3</td>
<td>None</td>
<td>The study of Shakespeare's plays and poetry, with the primary emphasis on exposing students to a representative sampling of his dramatic works and to the cultural, intellectual, and artistic contexts for his work. Both students who have read Shakespeare before and students who have no experience with Shakespeare are encouraged to take this class. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
<tr>
<td>ENG-22</td>
<td>American Literature II: Pre-Contact through Civil War</td>
<td>3</td>
<td>ENG-50 or ENG-80, or eligibility for ENG-1A</td>
<td>A survey of American literature from the pre-contact period to the Civil War, including a comprehensive exposure to the prose, poetry and fiction of this era as well as a basic understanding of the cultural, intellectual and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option)</td>
</tr>
<tr>
<td>ENG-50</td>
<td>Survey of African American Literature</td>
<td>3</td>
<td>None</td>
<td>Significant works of African American literature from the early oral tradition to the present, including a comprehensive exposure to the cultural, intellectual, and artistic developments 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-50. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
<tr>
<td>ENG-51</td>
<td>World Literature II: Seventeenth Century Through the Present</td>
<td>3</td>
<td>ENG-50 or ENG-80</td>
<td>A survey of world literature from the Seventeenth Century through the present, including a comprehensive exposure to the poetry, drama, and fiction of these periods as well as a basic understanding of the cultural, intellectual, and artistic trends these works embody. Emphasis on literature in translation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
<tr>
<td>ENG-54</td>
<td>Poetry from the Twentieth Century to the Present</td>
<td>3</td>
<td>None</td>
<td>The study of major voices and trends in poetry of the twentieth and twenty-first centuries, examining the cultural and artistic contexts from which this poetry emerged. Topics include poetic structure and development and thematic elements. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)</td>
</tr>
</tbody>
</table>
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.)
32322 Last day to add: 02/22/19

LAB 02/11/19 06/07/19 07:20AM 08:20AM T TH OCT 1
LAB 02/11/19 06/07/19 07:20AM 08:20AM ONLINE
LAB 02/11/19 06/07/19 07:20AM 08:20AM ONLINE

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

Instructor: CMiter

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.)
32321 Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:45AM 09:35AM T TH OCT 1
WEL 02/11/19 06/07/19 08:45AM 09:35AM 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 1st week of the term. See WebAdvisor for available WL/LAB times.

Instructor: CMiter

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.)
32320 Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:30PM 08:35PM TTH IT 121
WEL 02/11/19 06/07/19 06:30PM 08:35PM IT 121

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

Instructor: DBeggs

ESL-51  Basic Writing and Grammar  4 UNITS
Prerequisite: None
Description: Emphasizes elementary competency in standard written English with a focus on basic writing and grammar skills. Instruction will also include vocabulary and reading skills necessary for success in basic English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)
32338 Last day to add: 02/22/19

LEC 02/11/19 06/07/19 08:30PM 08:35PM T TH IT 211
LAB 02/11/19 06/07/19 08:45PM 09:35PM T TH IT 211

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

Instructor: DBeggs

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.)
32339 Last day to add: 02/22/19

LEC 02/11/19 06/07/19 08:30PM 08:35PM W M HUM 102
LAB 02/11/19 06/07/19 08:45PM 09:35PM W HUM 102

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

Instructor: DBeggs
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.)  
Last day to add: 02/22/19  
Instructor: MSrinian

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.)  
Last day to add: 02/22/19  
Instructor: MSrinian

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.)  
Last day to add: 02/22/19  
Instructor: MSrinian

ESL-93  Oral Skills III: Advanced Oral Communication  3 UNITS  
Prerequisite: None  
Advisory: ESL-92 and concurrent enrollment in ESL 54, 55 or ENG-50  
Description: This course develops advanced conversation, pronunciation, idiomatic and aural comprehension skills. Conversational and idiomatic skills focus on increasingly natural communication and interaction skills in complex speaking situations and comfortable use of English in a variety of situations, both academic and professional. Pronunciation focuses on improved clarity of speech and on increased control of the stress, intonation and rhythm of English. Listening comprehension stresses understanding complex syntax, register, nuance and tone in conversations on campus and in the workplace. Students will learn how to speak at length on a given topic, both prepared and extemporaneous, and to understand the subtleties of conversational English. 54 hours lecture and 18 hours laboratory. (Degree credit course. Letter grade, or Pass/No Pass option.)  
Last day to add: 02/22/19  
Instructor: MSrinian

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.  
32344  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  11:15AM  01:20PM  M URB121  
WE2  02/11/19  06/07/19  11:30AM  01:20PM  W URB109  
WE  02/11/19  06/07/19  09:25AM  01:20PM  M URB121  
The above section is a web-enhanced class. Internet access is required.  
Instructor: Sra

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.)  
32345  Last day to add: 02/22/19  
WE  02/11/19  06/07/19  08:00AM  08:30AM  T URB121  
WE2  02/11/19  06/07/19  09:00AM  01:20PM  TH URB109  
WE  02/11/19  06/07/19  08:00AM  01:20PM  M URB121  
The above section is a web-enhanced class. Internet access is required.  
Instructor: ASmith
## 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.

<table>
<thead>
<tr>
<th>Class</th>
<th>Dates</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>QL</td>
<td>02/11/19 - 06/07/19</td>
<td>M-Th</td>
<td>8:00AM - 8:25AM</td>
<td>STEM 115</td>
</tr>
<tr>
<td>HYB</td>
<td>02/11/19 - 06/07/19</td>
<td>M-Th</td>
<td>10:45AM - 11:10AM</td>
<td>STEM 115</td>
</tr>
<tr>
<td>HYBL</td>
<td>02/11/19 - 06/07/19</td>
<td>M-Th</td>
<td>8:30AM - 9:00AM</td>
<td>STEM 115</td>
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<td>02/11/19 - 06/07/19</td>
<td>T-TH</td>
<td>8:00AM - 9:25AM</td>
<td>STEM 115</td>
</tr>
<tr>
<td>WE 1</td>
<td>02/11/19 - 06/07/19</td>
<td>T-TH</td>
<td>1:10PM - 2:35PM</td>
<td>STEM 115</td>
</tr>
</tbody>
</table>

### 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, how states and player psychology, the MDA Framework, the iterative process, and rapid prototyping. 54 hours lecture and 54 hours laboratory.

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<td>T-TH</td>
<td>1:10PM - 2:35PM</td>
<td>STEM 115</td>
</tr>
</tbody>
</table>

### GAM-23  Digital Game Design  4 UNITS
**Prerequisite:** GAM-22
**Description:** An introduction to digital game design, including planning, designing and developing an original digital game. Topics include analyzing the target audience, pitching an original game concept, design documentation, the iterative process, and rapid digital prototyping. 54 hours lecture and 54 hours laboratory.

<table>
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<td>T-TH</td>
<td>1:10PM - 2:35PM</td>
<td>STEM 115</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
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<th>Dates</th>
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<td>8:00AM - 8:25AM</td>
<td>STEM 115</td>
</tr>
<tr>
<td>HYB</td>
<td>02/11/19 - 06/07/19</td>
<td>M-Th</td>
<td>10:45AM - 11:10AM</td>
<td>STEM 115</td>
</tr>
<tr>
<td>HYBL</td>
<td>02/11/19 - 06/07/19</td>
<td>M-Th</td>
<td>8:30AM - 9:00AM</td>
<td>STEM 115</td>
</tr>
<tr>
<td>WE</td>
<td>02/11/19 - 06/07/19</td>
<td>T-TH</td>
<td>8:00AM - 9:25AM</td>
<td>STEM 115</td>
</tr>
<tr>
<td>WE 1</td>
<td>02/11/19 - 06/07/19</td>
<td>T-TH</td>
<td>1:10PM - 2:35PM</td>
<td>STEM 115</td>
</tr>
</tbody>
</table>

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**Game Development**

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**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: 02/22/19
WE 02/11/19 06/07/19 11:15AM 12:40PM TTH STEM 115
Instructor: T Fryer

**GAM-44** Portfolio Production 2 UNITS
Prerequisite: GAM-23 or GAM-32 or GAM-46 or GAM-48 or GAM-52 or MUC-6 or [ART-22, ART-39, QS-59, QS-66, QS-78B, QS-79 and QS-81] or [QS68 and QS-75]
Description: Creative organization and presentation of a body of work exhibiting portfolio-quality aptitude. Covers all aspects of creation and presentation of a professional portfolio for students of multimedia majors such as 3D modeling, animation, game design, game programming, mobile applications development and graphic design. Students will edit existing work to emphasize individual strengths and areas of specialization. Compilation of a professional resume and mock interviews will be completed by each student. 18 hours lecture and 54 hours laboratory.
Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:45PM 08:35PM W STEM 125
WE 02/11/19 06/07/19 04:10PM 06:35PM M STEM 125
WE 02/11/19 06/07/19 04:10PM 06:35PM W STEM 125
Instructor: T Duniphone

**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 QS-60)
Last day to add: 02/22/19
HB 02/11/19 06/07/19 09:15AM 10:40AM W STEM 115
HB 02/11/19 06/07/19 09:15AM 10:40AM ONLINE
HB 02/11/19 06/07/19 09:15AM 10:40AM ONLINE
The above section is a hybrid class. Computer with Internet access required.
See www.opencampus.com for all the lecture time and the designated 18-hour laboratory requirement is completed online.
Instructor: J Finley

**GAM-51** Game Mechanics and Simulation 3 UNITS
Prerequisite: GAM-50 and MAT-35
Description: Introduction to practical applications of mathematics and physics techniques related to various areas of game programming. This course provides a specialized focus on core fundamentals in game engine programming and gameplay scripting. 54 hours lecture and 18 hours laboratory. (TBA option)
Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:10PM 05:35PM MW STEM 115
WE 02/11/19 06/07/19 04:10PM 05:35PM M STEM 115
The above section is a web-enhanced class. Internet access required. Designated laboratory hours are included in the meeting times for this class.
Instructor: J Finley

**GAM-53** Game Engine Scripting II 3 UNITS
Prerequisite: GAM-52
Description: Extended concepts in core programming as it pertains to game engine scripting. Advanced concepts in scripted languages are explored to allow for more complex simulations to further drive industry standard game engines. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade only.)
Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:35AM F STEM 115
WE 02/11/19 06/07/19 08:00AM 09:35AM M STEM 115
Instructor: J Ruiz

**GAM-70** Computer Skills for Game Art 2 UNITS
Prerequisite: None
Description: Introduction to fundamental computer concepts related to typical functions required of a game artist. Understanding computer navigation and peripherals used to input information which is unique to Game Design and Digital Media will be the focus. Standard file management, navigation, storage, and multiple backup techniques for file management 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: 03/05/19
WE 02/22/19 06/07/19 08:30AM 09:35AM LM STEM 125
WE 02/22/19 06/07/19 08:30AM 09:35AM M STEM 125
Instructor: S Ruiz

**GAM-79B** Game Studio: Character Modeling 4 UNITS
Prerequisite: GAM-41 and GAM-82
Coequisite: GAM-33
Description: This is the culminating class in the area of character modeling for game art. Students will work in interdisciplinary teams to develop and complete an original digital game. The classroom production environment utilizes game industry peripherals used to input information which is unique to Game Design and Digital Media. Students will edit existing work to emphasize individual strengths and areas of specialization. Compilation of a professional resume and mock interviews will be completed by each student. 18 hours lecture and 54 hours laboratory.
Last day to add: 03/05/19
WE 02/22/19 06/07/19 08:00AM 11:35AM F STEM 115
WE 02/22/19 06/07/19 08:00AM 11:35AM M STEM 115
Instructor: J Ruiz
**GAM-79C** Game Studio: Environments and Vehicles 4 UNITS

Prerequisite: GAM-46

Description: This is the culminating class in the area of developing environments and vehicles for games. Students work in interdisciplinary teams to develop and complete an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. Upon completion of the course the students will have an original working digital game demo, that is feature and content complete and portfolio ready. 54 hours lecture and 54 hours laboratory. (TBA option)

Instructor: J Ruiz

**GAM-79D** Game Studio Production: Audio 4 UNITS

Prerequisite: MUC-6

Description: This is the culminating class in the area of game audio. Students work in interdisciplinary teams to develop and complete an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. Upon completion of the course the students will have an original working digital game demo, that is feature and content complete and portfolio ready. 54 hours lecture and 54 hours laboratory.

Instructor: J Ruiz

**GAM-79E** Game Studio: Game Design Capstone 4 UNITS

Prerequisite: GAM-24

Description: This is the culminating class in the game design track of game development. Students work in interdisciplinary teams to develop and complete an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. Upon completion of the course the students will have an original working digital game demo, that is feature and content complete and portfolio ready. 54 hours lecture and 54 hours laboratory. (TBA option)

Instructor: J Ruiz

**GAM-79F** Game Studio Production: Game Programming 4 UNITS

Prerequisite: GAM-52

Description: This is the culminating class in the game programming track. Students work in interdisciplinary teams to develop and complete an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. Upon completion of the course the students will have an original working digital game demo, that is feature and content complete and portfolio ready. 54 hours lecture and 54 hours laboratory. (TBA option)

Instructor: J Ruiz

**GAM-80** Digital Drawing for Game Art 4 UNITS

Prerequisite: None

Description: Introduction to digital drawing techniques using industry standard software. Topics include usage of digital drawing hardware, digital image manipulation, techniques for digitally painting custom textures, exploration of the elements of art as they apply to games, composition, and perspective, layout design, character design, and concept development. Includes development of observational, motor, and creative skills. Use of layers, layer styles, adjustment layers and blending modes. 54 hours lecture and 54 hours laboratory. (TBA option)

Instructor: G Marquez

**GAM-81** 3D Modeling and Texturing 4 UNITS

Prerequisite: GAM-80

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

Instructor: R Bourbeau
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.
LEC 02/11/19 06/07/19 11:10AM 12:35PM MW ATEC 114
Last day to add: 02/22/19
Instructor: 3

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.
LAB 02/11/19 06/07/19 09:15AM 10:40AM TTH ATEC 205
Last day to add: 02/22/19
Instructor: 3

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.
LEC 02/11/19 06/07/19 06:00PM 07:25PM MW ATEC 205
Last day to add: 02/22/19
Instructor: 3

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.
LAB 02/11/19 06/07/19 11:10AM 12:35PM MW ATEC 114
Last day to add: 02/22/19
Instructor: 3

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.
LAB 02/11/19 06/07/19 06:00PM 07:25PM MW ATEC 205
Last day to add: 02/22/19
Instructor: 3

Student may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

### 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.
- **Schedule:**
  - LAB 02/11/19 06/07/19 12:45PM-02:10PM MW ATEC 205
  - LAB 02/08/19 06/07/19 08:00AM-09:25AM MW ATEC 205
  - LAB 02/08/19 06/07/19 09:40AM-11:05AM MW ATEC 205
  - LAB 02/08/19 06/07/19 11:20AM-02:40PM MW ATEC 205

### GEG-2 Human Geography 3 UNITS
- **Prerequisite:** None
- **Description:** The geographic analysis of the human imprint on the planet. Topics include population, food, language, religion, economic activity, physical environment and political geography.
- **Schedule:**
  - LEC 02/11/19 06/07/19 02:30PM-03:55PM MW ATEC 205

### GEG-5 Weather and Climate 3 UNITS
- **Prerequisite:** None
- **Description:** The nature and causes of common meteorological phenomena, severe weather occurrences, and climatic patterns. (Same as PHS-5)
- **Schedule:**
  - LEC 02/11/19 06/07/19 02:30PM-03:55PM TTH ATEC 205

### 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 certification, graduation and transfer requirements. Students will prepare a Student Educational Plan (SEP). 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 in framing educational decisions, class members will be able to utilize the information obtained in class to contribute to their college success. 18 hours lecture.
- **Schedule:**
  - Q. 02/12/19 04/02/19 08:15AM-09:20AM TH ATEC 204

#### GUI-46 Intro Transfer Process 1 UNIT
- **Prerequisite:** None
- **Description:** Survey of transfer requirements with hands-on activities through the application process for students transferring to four-year institutions.
- **Schedule:**
  - Q. 02/12/19 04/09/19 08:15AM-09:20AM T ATEC 204

#### 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.
- **Schedule:**
  - Q. 02/11/19 06/07/19 ONLINE

#### 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.
- **Schedule:**
  - Q. 02/11/19 06/07/19 ONLINE

### Other Courses

- **GUI-46 Intro Transfer Process 1 UNIT**
  - **Prerequisite:** None
  - **Description:** Survey of transfer requirements with hands-on activities through the application process for students transferring to four-year institutions.
  - **Schedule:**
    - Q. 02/12/19 04/09/19 08:15AM-09:20AM T ATEC 204
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. 32379 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT127
The above section is a web-enhanced class. Internet access is required. The above section is designed with special emphasis on African American culture. See the Unjja (13P) counselor prior to enrolling.
Instructor: A. Davis

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. 32382 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT106
The above section is a web-enhanced class. Internet access is required.
Instructor: A. Davis

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. 32385 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:25AM TTH STEM302
This above section is a web-enhanced class. Internet access is required. Enrollment in this above course requires participation in Norco College's First Year Experience Program. Instructor: A. Davis

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. 32387 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 08:00AM 10:25AM TTH GCPLR65
This class is part of Norco College's Next Phase Partnership with the GCP in Norco, serving men pursuing a college education while incarcerated at the GCP in Norco.
Instructor: A. Davis

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. 32389 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:15AM MW IT101
This above section is a web-enhanced class. Internet access is required. Enrollment in this above course requires participation in Norco College's First Year Experience Program.
Instructor: A. Davis

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! https://www.bookstr.com/norcocollagestore/
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 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.
32384  Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:10AM 12:35PM MW  IT106
This above section is a web-enhanced class. Internet access is required. The above section is designed for students in the Puente Program with special emphasis on Latino culture and requires concurrent enrollment in ENG-1B-32994. See the Puente counselor prior to enrolling. 
Instructor: M. Jurado-Martinez

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.
32388  Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:10AM 12:35PM MW  IT106
This above section is a web-enhanced class. Internet access is required. Enrollm ent in this above course requires participation in Norco College's First Year Experience Program.
Instructor: J. Moore

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.
32867  Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:15AM 12:40PM TTH  IT127
The above section is designed with emphasis on African American culture. See the UMCJA counselor before enrolling.
Instructor: Abigail

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.
32386  Last day to add: 02/22/19
LEC 02/11/19 06/07/19 12:35PM 01:55PM TH  CRC CRCL609B
This section is part of Norco College's Net Phase Partnership with CRC in Norco, serving men pursuing a college education while incarcerated at CRC in Norco.
Instructor: J. Moore

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.
32381  Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:10PM 05:35PM MW  ATEC204
This above section is a hybrid class. Computer with Internet access is required.
Instructor: J. Moore

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.
32380  Last day to add: 02/22/19
HYB 02/11/19 06/07/19 07:35PM 08:50PM TH  IT111
HYBO 02/11/19 06/07/19  ONLINE
This above section is a hybrid class. Computer with Internet access is required.
See www.opencampus.com for more information.
Instructor: J. Moore
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Description</th>
<th>Internet Access Required</th>
<th>Delivery Method</th>
<th>Last Day to Add</th>
</tr>
</thead>
<tbody>
<tr>
<td>GUI-48</td>
<td>College Success Strat</td>
<td>2</td>
<td>None</td>
<td>Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.</td>
<td>Online</td>
<td>LEC</td>
<td>02/22/19</td>
</tr>
<tr>
<td>LEC</td>
<td>Health Science (same As Bio-35)</td>
<td>3</td>
<td>None</td>
<td>A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.</td>
<td>Online</td>
<td>LEC</td>
<td>02/22/19</td>
</tr>
<tr>
<td>HES-1</td>
<td>Health Science (same As Bio-35)</td>
<td>3</td>
<td>None</td>
<td>Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.</td>
<td>Hybrid</td>
<td>LEC</td>
<td>02/22/19</td>
</tr>
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<td>HES-1</td>
<td>Health Science (same As Bio-35)</td>
<td>3</td>
<td>None</td>
<td>A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.</td>
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<td>Health Science (same As Bio-35)</td>
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<td>Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.</td>
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<td>LEC</td>
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<td>HES-1</td>
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<td>3</td>
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<td>Online</td>
<td>LEC</td>
<td>02/22/19</td>
</tr>
</tbody>
</table>

*Note: Internet access is required for all online and hybrid courses.*
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.
32393    Last day to add: 02/22/19
WE 02/11/19 06/07/19 09:00AM 10:25AM TTH HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: Sia

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.
32394    Last day to add: 02/22/19
WE 02/11/19 06/07/19 09:00AM 10:25AM TTH HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: Sia

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.
32395    Last day to add: 02/22/19
LEC 02/11/19 06/07/19 09:00AM 10:25AM TTH HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: Sia

HIS-2  History of World Civilizations II  3 UNITS
Prerequisite: None
Advisory: REA-83 and qualification for ENG-1A
Description: A survey of the evolution of modern world civilizations from the 16th century emergence of new global political, economic, social, and intellectual patterns, through the era of industrialization and imperialism, to the world wars of the 20th century and the present. 54 hours lecture.
32400    Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:15AM 12:40PM TTH HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: Styrides

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 HIS6H. 54 hours lecture.
32775    Last day to add: 02/22/19
Q 02/11/19 06/07/19 09:00AM 09:25AM MW HUM 103
The above section is an online class. Computer with Internet access required.
See www.open campus.com
Instructor: CDuy

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 HIS6H. 54 hours lecture.
32404    Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:25AM MW HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: TRussell

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 HIS6H. 54 hours lecture.
32408    Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:15AM 10:40AM MW HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: TRussell
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.
32405 | Last day to add: 03/05/19
WE 02/22/19 06/07/19 10:30AM - 1:50PM F HUM 103
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: H. Vion

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.
32406 | Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM - 9:15PM M HUM 103
The above section is a web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: M. Henderson

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.
32407 | Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM - 9:15PM T W E M V
The above section is a web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: T. Knight

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 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-7 and HIS-7H. 54 hours lecture.
32418 | Last day to add: 02/22/19
QL 02/11/19 06/07/19 10:30AM - 1:50PM M W HUM 103
The above section is an online class. Computer with Internet access is required. See www.opencampus.com.
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 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-7 and HIS-7H. 54 hours lecture.
32411 | Last day to add: 03/06/19
WE 02/23/19 06/07/19 10:30AM - 1:50PM F HUM 103
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: M. Henderson

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 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-7 and HIS-7H. 54 hours lecture.
32413 | Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:15AM - 2:40PM T H W 105
The above section is a web-enhanced class. Internet access is required. Please note the start and end dates.
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 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-7 and HIS-7H. 54 hours lecture.
32414 | Last day to add: 02/22/19
WE 02/11/19 06/07/19 12:45PM - 4:10PM M W HUM 103
The above section is a web-enhanced class. Internet access is required. Please note the start and end dates.
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 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-7 and HIS-7H. 54 hours lecture.
32412 | Last day to add: 02/22/19
WE 02/11/19 06/07/19 10:30AM - 1:50PM F HUM 103
The above section is an online class. Computer with Internet access is required. See www.opencampus.com.
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 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-7 and HIS-7H. 54 hours lecture.
32410 | Last day to add: 02/22/19
WE 02/11/19 06/07/19 10:30AM - 1:50PM M HUM 103
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: M. Henderson

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 • WRKRN - Hybrid Work Experience • WRKX - Work Experience Online
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**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. 45 hours lecture.

WE 02/11/19 06/07/19 06:00PM-09:10PM T HUM 103  
The above section is a web-enhanced class. Internet access is required.  
Instructor: SKyndias

**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. 45 hours lecture.

WE 02/11/19 06/07/19 04:10PM-05:35PM MW HUM 111  
The above section is a web-enhanced class. Internet access is required.  
Instructor: TMGarcia

**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. 45 hours lecture.

WE 02/11/19 06/07/19 09:40AM-11:05AM TTH HUM 103  
The above section is a web-enhanced class. Internet access is required.  
Instructor: TRussell

**HIS-31 Introduction to Chicano/a Studies 3 UNITS**

Prerequisite: None  
Description: This course is a survey of regional Chicano/a population historical and cultural roots, and social problems from the Spanish and Mexican colonial period to the present. Included is an examination of the principles of state and local government as well as political, economic and social forces as they relate to contemporary Chicano/a problems. Considers the Constitution of the United States and its relevance to Chicanos as America's second largest minority group. 45 hours lecture.

WE 02/11/19 06/07/19 05:00PM-07:25PM T HUM 103  
The above section is a web-enhanced class. Internet access is required.  
Instructor: DReina
HUMANITIES

HUM-5  Arts and Ideas: Renaissance through the Modern Era  3 UNITS
Prerequisite: None
Advisory: R E A-83 and qualific ation for English 1A
Description: An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, photography, cinema, media, and religion of Western civilization. The cultural achievements of the Renaissance, Enlightenment, Romantic, Modern and post-modern periods are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to contemporary thought. Students may not receive credit for both HUM-5 and HUM-5H. 54 hours lecture.
32427  Last day to add: 02/22/19
OL 02/11/19   ONLINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com. Instructor: MBbo

HUM-5H Honors Arts and Ideas: The Renaissance through the Modern Era  3 UNITS
Prerequisite: None
Advisory: R E A-83 and qualific ation for English 1A Limitation on enrollment: Enrollment in Honors Program
Description: An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, photography, cinema, media, and religion of Western civilization. The cultural achievements of the Renaissance, Enlightenment, Romantic, Modern and post-modern periods are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. This Honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, discussions and projects generated and led by students, a focus on primary texts in translation, and the applications of higher-level thinking and writing skills analysis, synthesis, and evaluation. Students may not receive credit for both HUM-5 and HUM-5H. 54 hours lecture.
32913  Last day to add: 02/22/19
WE 02/11/19   ONLINE
The above section is a web-enhanced class. Internet access is required. Instructor: MBbo

HUM-10 World Religions  3 UNITS
Prerequisite: None
Advisory: R E A-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.
32424  Last day to add: 02/22/19
OL 02/11/19   ONLINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com. Instructor: MBbo

HUM-10 World Religions  3 UNITS
Prerequisite: None
Advisory: R E A-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.
32423  Last day to add: 02/22/19
WE 02/11/19   02/19/19 04:15PM 05:40PM MW  WED/TH
The above section is a web-enhanced class. Internet access is required. Instructor: DKitcham

HUM-10 World Religions  3 UNITS
Prerequisite: None
Advisory: R E A-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.
32422  Last day to add: 02/22/19
WE 02/11/19   02/19/19 04:15PM 05:40PM TTH  WED/TH
The above section is a web-enhanced class. Internet access is required. Instructor: DKitcham

HYB - Hybrid Lecture - HYBL - Hybrid Lab - HYBLO - Hybrid Online Lab - HYBO - Hybrid Online Lecture - LAB - LEC - Lecture - OL - Online Lecture - OLL - Online Lab

Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home!  https://www.klstr.com/norcocollagestore
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Start Dates</th>
<th>Last Day to Add</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM-11</td>
<td>Religion in America</td>
<td>3</td>
<td>None</td>
<td>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.</td>
<td>02/11/19</td>
<td>02/22/19</td>
<td>STEM201</td>
</tr>
<tr>
<td>HUM-16</td>
<td>Arts and Ideas: American Culture</td>
<td>3</td>
<td>None</td>
<td>An interdisciplinary survey of the cultural movements in art, architecture, literature, music, philosophy, and religion of American culture. American culture is studied in the context of American political culture, economic and industrial transformation, and the changing shape of American society. American art and ideas are examined from the colonial period through the present.</td>
<td>02/11/19</td>
<td>02/22/19</td>
<td>STEM302</td>
</tr>
</tbody>
</table>

**INTERDISCIPLINARY STUDIES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Start Dates</th>
<th>Last Day to Add</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILA-1</td>
<td>Introduction to Tutor Training</td>
<td>1</td>
<td>None</td>
<td>This participatory course trains students how 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 experience.</td>
<td>02/11/19</td>
<td>02/22/19</td>
<td>STEM104</td>
</tr>
<tr>
<td>ILA-3</td>
<td>Student Resiliency</td>
<td>1</td>
<td>None</td>
<td>This participatory course trains students how 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 experience.</td>
<td>02/11/19</td>
<td>02/22/19</td>
<td>STEM104</td>
</tr>
<tr>
<td>ILA-3</td>
<td>Student Resiliency</td>
<td>1</td>
<td>None</td>
<td>This participatory course trains students how 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 experience.</td>
<td>02/11/19</td>
<td>02/22/19</td>
<td>STEM104</td>
</tr>
<tr>
<td>ILA-3</td>
<td>Student Resiliency</td>
<td>1</td>
<td>None</td>
<td>This participatory course trains students how 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 experience.</td>
<td>02/11/19</td>
<td>02/22/19</td>
<td>STEM104</td>
</tr>
</tbody>
</table>

For more information or to enroll, please visit [www.bkstr.com/norcocollegestore](https://www.bkstr.com/norcocollegestore).
ILA-3 Student Resiliency 1 UNIT
Prerequisite: None
Description: This participatory course trains students to develop coping strategies for everyday life challenges. Students learn to handle stress, set goals, prioritize tasks, and communicate effectively.
32934 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 08:00AM 09:25AM TTH W3
The above section is restricted to Norco High School students participating in Norco College's Dual Enrollment Program.
Instructor: SBil

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.
32761 Last day to add: 02/22/19
OL 02/11/19 06/07/19 ONLINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: SWitmer

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.
32441 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 08:00AM 09:25AM TTH WEDAV
Instructor: TWalstrom

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.
32442 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 09:40AM 11:05AM TH WEDAV
Instructor: TWalstrom

KIN-10 Introduction to Kinesiology 3 UNITS
Prerequisite: None.
Description: The study of human movement, sub-disciplines in Kinesiology and career opportunities.
32433 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 06:00PM 09:10PM W WEDAV
The above section is a web-enhanced class. Internet access is required.
Instructor: SWitmer

KIN-10 Introduction to Kinesiology 3 UNITS
Prerequisite: None.
Description: The study of human movement, sub-disciplines in Kinesiology and career opportunities.
32432 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 06:00PM 09:10PM TH WEDAV
Instructor: SWitmer

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.
32434 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 04:15PM 06:45PM WEDAV
LAB 02/11/19 06/07/19 07:00PM 08:25PM T WEDAV
Instructor: SWitmer

KIN-30 First Aid and CPR 3 UNITS
Prerequisite: None.
Description: Earn "National Safety Council Advanced First Aid" and "American Heart Association Healthcare Professional" certificates. First Aid and CPR fees totaling $20.00 will be charged to the student and are not covered by BOGW. Drop deadlines for non-payment apply.
32436 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 08:00AM 09:25AM TTH WEDAV
The above section is a web-enhanced class. Internet access is required.
Instructor: SWitmer
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 BGW. Drop deadlines for non-payment apply.
32437  Last day to add: 02/22/19
WE  02/11/19 06/07/19 09:15AM 10:40AM MW W E Q W3
Instructor: S916

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 BGW. Drop deadlines for non-payment apply.
32435  Last day to add: 02/22/19
LEC  02/11/19 06/07/19 09:40AM 11:05AM TTH W E Q W3
Last day to add: 02/22/19

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 BGW. Drop deadlines for non-payment apply.
32438  Last day to add: 02/22/19
LEC  02/11/19 06/07/19 08:00AM 08:50AM M WE Q W3
Lab  02/11/19 06/07/19 11:15AM 12:40AM TTH W E Q W3
Lab  02/11/19 06/07/19 09:15AM 10:40AM MW W E Q W3
Lab  02/11/19 06/07/19 11:15AM 12:40AM MW W E Q W3
Instructor: S9I6

KIN-38  Stress Management  3 UNITS
Prerequisite: None.
Description: The nature, physiology, and psychology of stress. Students will explore perceptions, attitudes, beliefs, and lifestyle factors that may be pre-cursors and contributors to distress. Students will also explore a variety of coping strategies and relaxation techniques. The lab portion of this class provides the opportunity for students to practice techniques and develop a personalized stress management program. 45 hours lecture and 27 hours laboratory.
33012  Last day to add: 02/22/19
LEC  02/11/19 06/07/19 11:10AM 12:35PM MW W E Q W3
Lab  02/11/19 06/07/19 11:10AM 12:35PM MW W E Q W3
Lab  02/11/19 06/07/19 10:10AM 11:00AM MW W E Q W3
Instructor: BWrerr

KIN-40  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.)
32444  Last day to add: 02/22/19
Lab  02/11/19 06/07/19 12:45PM 02:10PM MW W E Q W3
Instructor: S9I6

KIN-41  Karate, Intermediate  1 UNIT
Prerequisite: None.
Advisory: KIN-A40
Description: This course in intermediate karate is designed for the student wishing to review basic self defense skills and begin work on higher skills, develop intermediate level skills in unarmed self-defense, and learn basic skills in kumite (freefighting). 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
32445  Last day to add: 02/22/19
Lab  02/11/19 06/07/19 12:45PM 02:10PM MW W E Q W3
Instructor: S9I6

KIN-46  Hatha Yoga, Beginning  1 UNIT
Prerequisite: None.
Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.
32446  Last day to add: 02/22/19
Lab  02/11/19 06/07/19 08:00AM 09:25AM M W E Q W3
Lab  02/11/19 06/07/19 08:00AM 09:25AM W E Q W3
Lab  02/11/19 06/07/19 12:45PM 02:10PM TTH W E Q W3
Instructor: S9I6

KIN-46  Hatha Yoga, Beginning  1 UNIT
Prerequisite: None.
Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.
32447  Last day to add: 02/22/19
Lab  02/11/19 06/07/19 08:15AM 10:40AM MW W E Q W3
Instructor: S9I6
KIN-A46  Hatha Yoga, Beginning  1 UNIT
Prerequisite: None.
Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.
32448  Last day to add: 02/22/19
LAB  02/11/19  06/07/19  09:15AM  10:40AM TTH  WED/2
Instructor: 3a [BLW]

KIN-A47  Hatha Yoga, Intermediate  1 UNIT
Prerequisite: None
Advisory: KIN-A46
Description: This course offers intermediate Hatha yoga exercises to improve students physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 and A47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
32449  Last day to add: 02/22/19
LAB  02/11/19  06/07/19  08:00AM  09:25AM TTH  WED/2
Instructor: 3a [BLW]

KIN-A64  Soccer  1 UNIT
Prerequisite: None
Description: This course is designed to introduce students to the rules, basic skills, and offensive/defensive strategy in soccer. Emphasis will be placed on improving individual skills and applying these skills to game situations. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
32450  Last day to add: 02/22/19
LAB  02/11/19  06/07/19  08:00AM  09:25AM TTH  SOFR
Instructor: 3a [BLW]

KIN-A75B  Walking for Fitness: Intermediate  1 UNIT
Prerequisite: None
Advisory: KIN-A75A
Description: This course is designed for students of intermediate fitness levels who would like to enhance and improve their cardiovascular fitness, basic strength and flexibility with more advanced walking strategies. Intermediate walking techniques will be utilized in establishing walking programs designed to promote improvements in cardiorespiratory endurance and body composition. 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.)
32452  Last day to add: 02/22/19
LAB  02/11/19  06/07/19  08:00AM  09:25AM TTH  WED/8
Instructor: KIN-A75A

KIN-A77B  Jogging for Fitness, Intermediate  1 UNIT
Prerequisite: None
Advisory: KIN-A77A
Description: This course is designed for students of intermediate fitness levels who would like to enhance and improve their cardiovascular fitness and flexibility with jogging strategies. Jogging techniques will be utilized in establishing programs designed to promote improvements in cardiorespiratory endurance and body composition. The course is geared to all ages and is concerned with aspects of cardiovascular health and weight control. Emphasis will be on building endurance and strength by using stretching and jogging techniques for conditioning. KIN-A77A, A77B, and A77C are courses related in content and are limited in enrollment according to Title 5, section 55040. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
32453  Last day to add: 02/22/19
LAB  02/11/19  06/07/19  11:10AM  12:35PM MW  WED/8
Instructor: 3a [BLW]

KIN-A81A  Physical Fitness, Beginning  1 UNIT
Prerequisite: None
Description: This course is designed to give the student an overview of the basic concepts that affect total fitness. Personalized exercise programs in cardiovascular endurance, muscular strength, muscular endurance, and flexibility will be developed. KIN-A81A and A81B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
32454  Last day to add: 02/22/19
LAB  02/11/19  06/07/19  02:30PM  03:55PM MW  WED/8
Instructor: 3a [BLW]

KIN-A81B  Physical Fitness, Intermediate  1 UNIT
Prerequisite: None
Description: Provides concepts for total fitness and develops personalized exercise programs for cardiovascular endurance, strength and flexibility. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
32455  Last day to add: 02/22/19
LAB  02/11/19  06/07/19  02:30PM  03:55PM TTH  WED/8
Instructor: 3a [BLW]

KIN-A90A  Weight Training - Beginning  1 UNIT
Prerequisite: None
Description: Weight training course designed to teach students the basic exercises for the development of the major muscles. Emphasis is placed on muscular strength, endurance and flexibility. 54 hours laboratory. (Letter Grade, Pass/No Pass option.)
33009  Last day to add: 02/22/19
LAB  02/11/19  06/07/19  08:00AM  09:25AM TTH  WED/8
Instructor: 3a [BLW]

KIN-A90B  Weight Training - Beginning  1 UNIT
Prerequisite: None
Description: Weight training course designed to teach students the basic exercises for the development of the major muscles. Emphasis is placed on muscular strength, endurance and flexibility. 54 hours laboratory. (Letter grade, Pass/No Pass option.)
33008  Last day to add: 02/22/19
LAB  02/11/19  06/07/19  02:30PM  03:55PM MW  WED/8
Instructor: 3a [BLW]
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.)
32459 Last day to add: 02/19/19
LAB 02/11/19 06/07/19 08:40AM 11:05AM TTH SOC1
Instructor: S. Spieker

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.)
32458 Last day to add: 04/21/19
HIB 04/15/19 06/07/19 01:00PM 02:15PM W IT106
HIBO 04/15/19 06/07/19 11:00AM 12:15PM W IT106
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: S. Spieker

LIBRARY

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.)
32460 Last day to add: 02/18/19
LAB 02/11/19 04/02/19 06:00PM 09:10PM T  I T  108
Instructor: S. Spieker

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)
32461 Last day to add: 02/22/19
Q. 02/11/19 06/07/19 ONLINE
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: D. Dokter

MAG-53 Human Relations 3 UNITS
Prerequisite: None.
Description: Practical application of basic psychology in building better employer-employee relationships.
32462 Last day to add: 02/19/19
Q. 02/11/19 04/05/19 ONLINE
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: G. Bart

MAG-53 Human Relations 3 UNITS
Prerequisite: None.
Description: Practical application of basic psychology in building better employer-employee relationships.
32463 Last day to add: 02/16/19
HIB 02/11/19 04/02/19 06:00PM 09:10PM T IT106
HIBO 02/11/19 04/02/19 11:00AM 02:15PM T IT106
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: E. Dudas
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAG-56</td>
<td>Human Resources Management</td>
<td>3</td>
<td>None</td>
<td>Introduces techniques involving the selection, training, evaluation and promotion of employees.</td>
</tr>
<tr>
<td>MAN-55</td>
<td>Occupational Safety and Health Administration</td>
<td>2</td>
<td>None</td>
<td>Covers OSHA policies, procedures, and standards, as well as safety for general industry and health principles.</td>
</tr>
<tr>
<td>MAN-56</td>
<td>CNC Machine Set-Up and Operation</td>
<td>4</td>
<td>None</td>
<td>Fundamental skills related to the setup and operation of CNC (Computer Numerically Controlled) machine tools.</td>
</tr>
<tr>
<td>MAN-64</td>
<td>Programmable Logic Controllers</td>
<td>3</td>
<td>None</td>
<td>Fundamentals of programmable logic controllers, with an emphasis on introductory programming of PLCs.</td>
</tr>
<tr>
<td>MAN-73</td>
<td>Electric Motors and Transformers</td>
<td>4</td>
<td>None</td>
<td>Enables electricians to understand and effectively wire most standard DC motors, servos and steppers.</td>
</tr>
<tr>
<td>MAN-74</td>
<td>Industrial Wiring and Controls</td>
<td>4</td>
<td>None</td>
<td>Introduces techniques involving the selection, training, evaluation and promotion of employees.</td>
</tr>
<tr>
<td>MAT-1A</td>
<td>Calculus I</td>
<td>4</td>
<td>MAT-10 or qualifying placement level</td>
<td>Functions, limits, continuity, differentiation, applications of the derivative and integration, the fundamental theorem of calculus and basic integration.</td>
</tr>
</tbody>
</table>

**MANUFACTURING TECHNOLOGY**

<table>
<thead>
<tr>
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<th>Prerequisite</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN-55</td>
<td>Occupational Safety and Health Administration</td>
<td>2</td>
<td>None</td>
<td>Covers OSHA policies, procedures, and standards, as well as safety for general industry and health principles.</td>
</tr>
<tr>
<td>MAN-56</td>
<td>CNC Machine Set-Up and Operation</td>
<td>4</td>
<td>None</td>
<td>Fundamental skills related to the setup and operation of CNC (Computer Numerically Controlled) machine tools.</td>
</tr>
<tr>
<td>MAN-64</td>
<td>Programmable Logic Controllers</td>
<td>3</td>
<td>None</td>
<td>Fundamentals of programmable logic controllers, with an emphasis on introductory programming of PLCs.</td>
</tr>
<tr>
<td>MAN-73</td>
<td>Electric Motors and Transformers</td>
<td>4</td>
<td>None</td>
<td>Enables electricians to understand and effectively wire most standard DC motors, servos and steppers.</td>
</tr>
<tr>
<td>MAN-74</td>
<td>Industrial Wiring and Controls</td>
<td>4</td>
<td>None</td>
<td>Introduces techniques involving the selection, training, evaluation and promotion of employees.</td>
</tr>
<tr>
<td>MAN-77</td>
<td>Electrical Theory</td>
<td>3</td>
<td>None</td>
<td>Introduces students to electrical theory, Ohm's Law, magnetism, voltage inductance, capacitors, units of electric measurement, and proper usage of electrical test equipment.</td>
</tr>
</tbody>
</table>

**MATHMATICS**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT-1A</td>
<td>Calculus I</td>
<td>4</td>
<td>MAT-10 or qualifying placement level</td>
<td>Functions, limits, continuity, differentiation, applications of the derivative and integration, the fundamental theorem of calculus and basic integration.</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Last day to add:</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT-1A</td>
<td>Calculus I</td>
<td>4</td>
<td>MAT-10 or qualifying placement level</td>
<td>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.)</td>
<td>02/22/19</td>
<td>Blazar Segovano</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>72 hours lecture and 18 hours laboratory. (Letter Grade or Pass/No Pass option.)</td>
<td>02/22/19</td>
<td>Blazar Segovano</td>
</tr>
<tr>
<td>MAT-1B</td>
<td>Calculus II</td>
<td>4</td>
<td>MAT-1A</td>
<td>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.)</td>
<td>02/22/19</td>
<td>J. Minneci</td>
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<tr>
<td></td>
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<td>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.)</td>
<td>02/22/19</td>
<td>Blazar Segovano</td>
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<td>72 hours lecture and 18 hours laboratory. (Letter Grade or Pass/No Pass option.)</td>
<td>02/22/19</td>
<td>Blazar Segovano</td>
</tr>
<tr>
<td>MAT-1C</td>
<td>Calculus III</td>
<td>4</td>
<td>MAT-1B</td>
<td>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.</td>
<td>02/22/19</td>
<td>J. Minneci</td>
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<td>02/22/19</td>
<td>Blazar Segovano</td>
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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.)
32508 Last day to add: 02/22/19
WE 02/11/19 06/07/19 09:40AM 11:45AM TTH AEC204
The above section is a web-enhanced class. Internet access is required.
Instructor: B.uhren

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 higher 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.)
32509 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:00PM 04:05PM TTH AEC204
The above section is a web-enhanced class. Internet access is required.
Instructor: R. Frampton

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 and their graphs; analytic geometry, polar coordinates, sequences and series. 72 hours lecture. (Letter Grade or Pass/No Pass option.)
32557 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:00PM 04:05PM TTH UER108
The above section is a web-enhanced class. Internet access is required.
Instructor: J. Baringer

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)
32874 Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:45AM 09:00AM MWF IT109
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)
32876 Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:15AM 12:30PM MWF STEM201
The above section is a web-enhanced class. Internet access is required.
Instructor: J. Higley

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)
32877 Last day to add: 02/22/19
WE 02/11/19 06/07/19 01:00PM 02:15PM MWF WED6A
The above section is a web-enhanced class. Internet access is required.
Instructor: S. Juan

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)
32878 Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:45AM 09:00AM MWF WED6A
The above section is a web-enhanced class. Internet access is required.
Instructor: T. Malouf

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)
32879 Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:45AM 09:00AM MWF BCR5212
The above section is a web-enhanced class. Internet access is required.
Instructor: T. Young

HYB - Hybrid Lecture • HYB1 - 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 • WRX - Work Experience Lecture • WRXH - Hybrid Work Experience • WRXX - Work Experience Online
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MAT-10  Precalculus  4 UNITS
Prerequisite: MAT-36 or qualifying placement level
Description: Preparation for calculus: polynomial, absolute value, 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)  
32875  Last day to add: 02/22/19
WE  02/11/19  06/07/19  02:45PM  04:00PM  MWF  WED
The above section is a web-enhanced class. Internet access is required.
Instructor: SBrinzaa

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, rational, radical, 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)  
32477  Last day to add: 02/22/19
WE  02/11/19  06/07/19  09:15AM  10:40AM  MWF  WED
The above section is a web-enhanced class. Internet access is required.
Instructor: AAbazari

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, rational, radical, 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)  
32477  Last day to add: 02/22/19
WE  02/11/19  06/07/19  09:15AM  10:40AM  MWF  WED
The above section is a web-enhanced class. Internet access is required.
Instructor: AAbazari

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, rational, radical, 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)  
32477  Last day to add: 02/22/19
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The above section is a web-enhanced class. Internet access is required.
Instructor: AAbazari

MAT-11  College Algebra  4 UNITS
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Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, rational, radical, 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)  
32477  Last day to add: 02/22/19
WE  02/11/19  06/07/19  09:15AM  10:40AM  MWF  WED
The above section is a web-enhanced class. Internet access is required.
Instructor: AAbazari
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.)

32899 Last day to add: 02/22/19

OL 02/11/19 06/07/19 ONLINE
The course 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 04/03 to 04/06 and another day between 05/03 and 05/07.
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.)

32899 Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:20AM 09:25AM THI WED/Th
The course is a web-enhanced class. Internet access 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.)

32899 Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:45AM 10:00AM MF WED/Th
The course is a web-enhanced class. Internet access required.
Instructor: S Johnson

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.)

32899 Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 01:45PM F IT FIT
The course is a web-enhanced class. Internet access 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.)

32899 Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:30PM MF WED/Th
The course is a web-enhanced class. Internet access required.
Instructor: S Johnson

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.)

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Instructor: S Johnson

MAT-12 Statistics 4 UNITS
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32899 Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:30PM MF WED/Th
The course is a web-enhanced class. Internet access required.
Instructor: S Johnson
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.)
32886 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 05:30PM MWF WEQ/M
Instructor: J.Mrsinski

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.)
32888 Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:55PM 10:00PM MW A T E C 211
32914 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 05:30PM MWF WEQ/M
Instructor: J.Mrsinski

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.)
32893 Last day to add: 02/22/19
WE 02/11/19 06/07/19 01:00PM 02:15PM MAF VED/W
Instructor: A.Robles

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.)
32899 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:40PM 07:45PM MV JRK12
Instructor: J.Garver

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.)
32914 Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:55PM 10:00PM MV ARE211
Instructor: A.Robles

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.)
32914 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 05:30PM MAF VED/W
Instructor: A.Robles

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.)
32896 Last day to add: 02/22/19
WE 02/11/19 06/07/19 01:00PM 02:15PM MAF VED/W
Instructor: J.Mrsinski

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.)
32896 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 06:20PM TTH WEQ/M
Instructor: A.Robles

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.)
32893 Last day to add: 02/22/19
WE 02/11/19 06/07/19 05:40PM 07:45PM MW JRK12
Instructor: J.Garver

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.)
32899 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MAF VED/W
Instructor: HMa

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.)
32894 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:45PM 04:00PM MAF VED/W
Instructor: HMa

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.)
32891 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:15PM 05:30PM MAF VED/W
Instructor: HMa
MAT-12H  Honors 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. 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 MAT-12 and MAT-12H. 72 hours lecture. (Letter Grade or Pass / No Pass option.)
32901  Last day to add: 02/22/19
WE 02/11/19  03/19/19  09:15AM  10:30AM  MWF  ITI208
Instructor: Sali

MAT-32  Introduction to Symbolic Logic  3 UNITS
Prerequisite: None Limitation on enrollment: May not be taken if credit for Philosophy 32 has been granted.
Description: Introduces the principles of deductive reasoning, including the practical application of modern symbolic techniques. 54 hours lecture.
32510  Last day to add: 02/22/19
WE 02/11/19  03/19/19  02:30PM  03:55PM  MW  AEC210
The above section is a web-enhanced class. Internet access is required.

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)
32954  Last day to add: 02/22/19
Q  02/11/19  03/19/19  08:00AM  09:25AM  TTH  W  Q5
Online
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. In addition to the online lectures, students are required to attend campus for proctored exam on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.
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)
32962  Last day to add: 02/22/19
Q  02/11/19  03/19/19  10:25AM  12:00PM  TTH  WER108
Online
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. In addition to the online lectures, students are required to attend campus for proctored exam on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.
Instructor: Buhman

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)
32963  Last day to add: 02/22/19
Q  02/11/19  03/19/19  09:15AM  10:30AM  TTH  Lib 108
Online
The above section is a hybrid class. Computer with Internet access required.
See www.opencampus.com. In addition to the online lectures, students are required to attend campus for proctored exam on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.
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)
32955  Last day to add: 02/22/19
Q  02/11/19  03/19/19  08:00AM  09:25AM  TTH  W  Q5
Online
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. In addition to the online lectures, students are required to attend campus for proctored exam on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.
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)
32957  Last day to add: 02/22/19
Q  02/11/19  03/19/19  08:00AM  09:25AM  TTH  WEA6
Online
The above section is an online class. Computer with Internet access required.
See www.opencampus.com. In addition to the online lectures, students are required to attend campus for proctored exam on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.
Instructor: Mollie

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)
32947  Last day to add: 02/22/19
WE 02/11/19  03/19/19  10:15AM  12:00PM  MW  LIB 108
Online
The above section is a web-enhanced class. Internet access is required.
See www.opencampus.com. In addition to the online lectures, students are required to attend campus for proctored exam on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.
Instructor: Muller
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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) 32951 Last day to add: 02/22/19
WE 02/11/19 06/07/19 04:30PM 07:00PM MW LER108
The above section is a web-enhanced class. Internet access is required. Instructor: JDeGuzman

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) 32946 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 10:30AM MW WEC115
The above section is a web-enhanced class. Internet access is required. Instructor: JBurke

sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option) 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) 32985 Last day to add: 02/22/19
WE 02/11/19 06/07/19 09:40AM 11:05AM TTH LIBR 108
The above section is a hybrid class. Computer with Internet access is required.
See www.opencampus.com. In addition to the online lectures, students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.
Instructor: JLRice

MAT-36 Trigonometry 4 UNITS
Prerequisite: MAT-36 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) 32937 Last day to add: 02/22/19
Q 02/11/19 06/07/19 H H H H ONLINE
The above section is an online class. Computer with Internet access is required. See www.opencampus.com. In addition to the online lectures, students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.
Instructor: JLMulari

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) 32935 Last day to add: 02/22/19
H&O 02/11/19 06/07/19 09:40AM 11:05AM THH LIBR 108
The above section is a hybrid class. Computer with Internet access is required.
Instructor: JLMulari

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) 32938 Last day to add: 02/22/19
H&O 02/11/19 06/07/19 11:15AM 12:40PM THH LIBR 108
The above section is a hybrid class. Computer with Internet access is required.
Instructor: JLMulari

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) 32923 Last day to add: 02/22/19
WE 02/11/19 06/07/19 01:00PM 02:15PM MW LER108
The above section is a web-enhanced class. Internet access is required.
Instructor: JLBurke

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<td>Trigonometry</td>
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<td>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)</td>
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<tr>
<td>MAT-42</td>
<td>Algebra for Statistics and Liberal Arts</td>
<td>6</td>
<td>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.</td>
</tr>
<tr>
<td>MAT-52</td>
<td>Elementary Algebra</td>
<td>4</td>
<td>Description: Examine 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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HYB - Hybrid Lecture  
HYBL - Hybrid Lab  
HYBOL - 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 - Work Experience Lab  
WXK - Work Experience Online  
ONLINE - Online
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.)  
32917  Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ONLINE  
The above section is an online class. Computer with Internet access required.  
See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.  
Instructor: S. Lee  

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.)  
32919  Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ONLINE  
The above section is an online class. Computer with Internet access required.  
See www.opencampus.com. In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.  
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.)  
32920  Last day to add: 02/22/19  
WE 02/11/19 06/07/19 07:45AM 09:00AM MWF AEC204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A. Barzai  

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.)  
32921  Last day to add: 02/22/19  
WE 02/11/19 06/07/19 04:45PM 06:50PM THI HUM102  
The above section is a web-enhanced class. Internet access is required.  
Instructor: S. Hashemi  

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.)  
32916  Last day to add: 02/22/19  
WE 02/11/19 06/07/19 08:20PM 10:25PM MV AEC204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: J. Higley  

MAT-53  College Geometry  3 UNITS  
Prerequisite: MAT-52  
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.  
32550  Last day to add: 02/22/19  
WE 02/11/19 06/07/19 08:15AM 10:40AM MW AEC204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A. Walidi  

MAT-53  College Geometry  3 UNITS  
Prerequisite: MAT-52  
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.  
32551  Last day to add: 02/22/19  
WE 02/11/19 06/07/19 02:00PM 04:25PM MV AEC204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A. Thomas
MAT-53  College Geometry  3 UNITS
Prerequisite: MAT-52
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.
32562  Last day to add: 02/22/19
WE  02/11/19  06/07/19  02:10PM  04:00PM  MW  AEC-115
The above section is a web-enhanced class. Internet access required.
Instructor: E. Chung

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.)
32566  Last day to add: 02/22/19
WE  02/11/19  06/07/19  10:20AM  12:20PM  MWF  LIB-208
The above section is a web-enhanced class. Internet access required.
Instructor: B. Nguyen

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.)
32563  Last day to add: 02/22/19
WE  02/11/19  06/07/19  11:00AM  12:50PM  MWF  AEC-204
The above section is a web-enhanced class. Internet access required.
Instructor: L. Ting

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.)
32557  Last day to add: 02/22/19
WE  02/11/19  06/07/19  06:30PM  08:20PM  MWF  LIB-110
The above section is a web-enhanced class. Internet access required.
Instructor: B. Nguyen

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.)
32555  Last day to add: 02/22/19
WE  02/11/19  06/07/19  06:30PM  08:25PM  TTH  AEC-210
The above section is a hybrid class. Computer with Internet access required.
See www.openrampus.com
Instructor: E. Chung

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: Advanced performance techniques for the recording studio. Students will have the opportunity to lead a collaborative group, duet or solo project towards 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.
32565  Last day to add: 02/22/19
WE  02/11/19  06/07/19  02:30PM  04:20PM  W  THIR-204
WE2  02/11/19  06/07/19  01:00PM  03:00PM  F  THIR-204
The above section is a web-enhanced class. Internet access required.
Instructor: S. Zeller

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 advanced vocalists and instrumentalists. 108 hours laboratory.
32566  Last day to add: 02/22/19
WE  02/11/19  06/07/19  02:30PM  04:20PM  W  THIR-204
WE2  02/11/19  06/07/19  01:00PM  03:00PM  F  THIR-204
The above section is a web-enhanced class. Internet access required.
Instructor: S. Zeller

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 towards 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.
32567  Last day to add: 02/22/19
WE  02/11/19  06/07/19  02:30PM  04:20PM  W  THIR-204
WE2  02/11/19  06/07/19  01:00PM  03:00PM  F  THIR-204
The above section is a web-enhanced class. Internet access required.
Instructor: S. Zeller
MIS-2  Songwriting  2 UNITS  
Prerequisite: MUS-3  
Description: Introduction to popular songwriting techniques. Topics covered include chord structure, form, rhythm, melody, harmony, lyrics, chord progressions, preparing lead sheets and arranging. This course is ideal for vocalists and instrumentalists. 18 hours lecture and 54 hours laboratory.  
32568  Last day to add: 02/22/19  

WE  02/11/19  06/07/19  06:30PM  07:35PM  T  IT  106  
WEL  02/11/19  06/07/19  03:15PM  04:20PM  T  IT  106  
WEL  02/11/19  06/07/19  02:00PM  04:10PM  TH  HM  101  

The above section is a web-enhanced class. Internet access is required.  
Instructor: S3a [T]  

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.  
32569  Last day to add: 02/22/19  

WE  02/11/19  06/07/19  02:00PM  04:35PM  TTH  HM  101  
WEL  02/11/19  06/07/19  02:00PM  04:35PM  TTH  HM  101  
WEL  02/11/19  06/07/19  02:00PM  04:35PM  TTH  HM  101  
WEL  02/11/19  06/07/19  02:00PM  04:35PM  TTH  HM  101  

The above section is a web-enhanced class. Internet access is required.  
Instructor: S3a [T]  

MIS-4  Digital Audio Production 2  4 UNITS  
Prerequisite: MUS-3  
Description: This intermediate course continues exploration and application of the elements and techniques of electronic music production. Topics include synthesis, sampling, MIDI sequencing and advanced audio production. Students will create original compositions using electronic music techniques. Students taking this course will complete the official AVID coursework for Pro Tools 201 and 210 and will have the opportunity to obtain AVID Pro Tools Operator Certification. 54 hours lecture and 54 hours laboratory.  
32570  Last day to add: 02/22/19  

WE  02/11/19  06/07/19  04:30PM  06:55PM  MW  IT  106  
WEL  02/11/19  06/07/19  04:30PM  06:55PM  MW  IT  106  
WEL  02/11/19  06/07/19  04:30PM  06:55PM  MW  IT  106  
WEL  02/11/19  06/07/19  04:30PM  06:55PM  MW  IT  106  

The above section is a web-enhanced class. Internet access is required.  
Instructor: S3a [T]  

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.  
32571  Last day to add: 02/22/19  

WE  02/11/19  06/07/19  08:30PM  09:35PM  T  IT  106  
WE  02/11/19  06/07/19  08:30PM  09:35PM  TH  IT  106  
WEL  02/11/19  06/07/19  08:30PM  09:35PM  TH  IT  106  
WEL  02/11/19  06/07/19  08:30PM  09:35PM  TH  IT  106  

The above section is a web-enhanced class. Internet access is required.  
Instructor: S3a [T]  

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)  
32562  Last day to add: 03/14/19  

WEL  02/11/19  06/07/19  04:30PM  06:25PM  TTH  TH  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: S3a [T]  

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)  
32563  Last day to add: 03/14/19  

WEL  02/11/19  06/07/19  04:30PM  06:25PM  TTH  TH  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: S3a [T]  

MIS-13  Recording Studio Workshop I  3 UNITS  
Prerequisite: MIS-3 and MIS-12  
Description: This applied workshop course is a survey of the fundamental principles and practices of audio recording. Topics include sound and hearing, acoustics, the components of various recording systems and signal flow. It provides practical experience with audio hardware, software and recording techniques. Students will engage in digital audio workstation set up (DAWs) and operation, and will run studio and live sessions from set up to tear down. 36 hours lecture and 54 hours laboratory.  
32564  Last day to add: 02/22/19  

WE  02/11/19  06/07/19  08:40AM  10:30AM  T  IT  106  
WE  02/11/19  06/07/19  08:40AM  10:30AM  TH  IT  106  
WE  02/11/19  06/07/19  10:55AM  12:40PM  TH  IT  106  

The above section is a web-enhanced class. Internet access is required.  
Instructor: S3a [T]  


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MIS-200  MisMusic Industry StudiesWork Experience  1 UNIT
Prerequisite: None
Advisory: Students should have paid or voluntary employmet.
Description: This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. 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. Students enrolling in WKS-200 are administratively moved to the appropriate general or occupational work experience course after the 1st class meeting 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. (Letter Grade or Pass/No Pass option.) 32576 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 75 75 ONLINE
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com. In addition to the online lecture, students are required to attend an on-campus orientation at Norco College the 1st week of the semester, dates and times will be posted in Blackboard. Students must also meet on-campus for an instructor conference and for all exams. Please see Blackboard for specific dates and times.
Instructor: Sra

MARKETING

MKT-20  Principles of Marketing  3 UNITS
Prerequisite: None
Advisory: BUS-10
Description: Examines the role of marketing as it relates to society and economic development. The course will analyze products, consumer, marketing research and strategic market planning. The course will survey with a global perspective, the selection of target markets as well as the development of the marketing mix: place, product, price and promotion. 54 hours lecture. 32572 Last day to add: 02/16/19
HMB 02/12/19 04/02/19 06:00PM 07:50PM T J F K216
HMB 02/12/19 04/02/19 07:50PM 09:50PM W ONLINE
The above section is a hybrid class. Computer with Internet access is required. See www.opencampus.com. Please note the start and end dates.
Instructor: A Rike

MKT-41  Techniques of Selling  3 UNITS
Prerequisite: None
Description: Examines the key topics of how to locate, qualify and approach prospects, how to deliver the sales presentation, how to meet objections and how to close the sale. The analysis of behavioral, ethical and philosophical factors as applied to the selling function globally. 54 hours lecture. (Letter Grade, or Pass/No Pass option.) 32573 Last day to add: 04/20/19
HMB 04/06/19 06/04/19 06:00PM 08:00PM T J F K216
HMB 04/06/19 06/04/19 08:00PM 10:00PM W ONLINE
The above section is a hybrid class. Computer with Internet access is required. See www.opencampus.com. Please note the start and end dates.
Instructor: M Ferguson

MUSIC

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) 32578 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:40AM 11:50AM TH HUM101
WE 02/11/19 06/07/19 11:20AM 12:30PM TH HUM101
The above section is a web-enhanced class. Internet access is required.
Instructor: Sra

MUS-4  Music Theory I  4 UNITS
Prerequisite: MUS-3 or the equivalent
Advisory: Concurrent enrollment in an appropriate level piano class
Description: Through guided composition and analysis this course incorporates the following concepts: Rhythm and meter; basic properties of sound; intervals; diatonic scales; triads and seventh chords; basic cadential formulas and phrase structures; figured bass; non-harmonic tones; 16th species counterpoint; and voice leading involving 4-part choral writing. Development of skills in handwritten notation is expected. Lab includes diatonic sight singing and ear training including melodic, harmonic and rhythmic dictation. Keyboard requirements include playing chord progressions, modes, and scales in all major and minor keys 54 hours lecture and 54 hours laboratory. (TBA option) 32587 Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:40AM 08:50AM M HUM101
WE 02/11/19 06/07/19 07:40AM 08:50AM WF HUM101
WE 02/11/19 06/07/19 08:00AM 09:10AM M HUM101
WE 02/11/19 06/07/19 08:00AM 09:10AM W HUM101
The above section is a web-enhanced class. Internet access is required.
Instructor: Sra

MUS-6  Music Theory III  4 UNITS
Prerequisite: MUS-6 or the equivalent
Advisory: Concurrent enrollment in an appropriate level piano class
Description: This course incorporates the concepts from Music Theory II. In addition, through writing and analysis, the course will include Common Practice period and 20th Century techniques such as: Borrowed chords and modal mixture; chromatic mediants; Neapolitan and augmented sixth chords; 9th, 11th and 13th chords; extended tertian harmony; polyphony; quartal and secundal harmony; pandiatonicism; serialism; and aleatoric music. Lab includes diatonic sight singing and ear training involving melodic, harmonic and rhythmic dictation. Keyboard requirements include playing post-Romantic and post-tonal materials 54 hours lecture and 54 hours laboratory. (TBA option) 32589 Last day to add: 02/22/19
WE 02/11/19 06/07/19 07:40AM 08:50AM M HUM101
WE 02/11/19 06/07/19 07:40AM 08:50AM WF HUM101
WE 02/11/19 06/07/19 08:00AM 09:10AM M HUM101
WE 02/11/19 06/07/19 08:00AM 09:10AM W HUM101
The above section is a web-enhanced class. Internet access is required.
Instructor: Sra
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Units</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS-19</td>
<td>Music Appreciation</td>
<td>3</td>
<td>None</td>
<td>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.</td>
</tr>
<tr>
<td>MUS-32A</td>
<td>Piano I</td>
<td>1</td>
<td>None</td>
<td>This beginning course focuses on developing the skills needed for performing on piano, including playing major and parallel minor scales, reading music on the grand staff, accompaniment techniques, and basic music notation. 54 hours laboratory.</td>
</tr>
<tr>
<td>MUS-32B</td>
<td>Piano II</td>
<td>1</td>
<td>None</td>
<td>Continuation of the skills studied in MUS-32A, focusing on techniques for upper elementary level piano playing, including reading music on the grand staff, transposing, accompanying, simple score reading, and performance of intermediate-level piano pieces. 54 hours laboratory.</td>
</tr>
<tr>
<td>MUS-32C</td>
<td>Piano III</td>
<td>1</td>
<td>None</td>
<td>Continuation of the skills studied in MUS-32A, focusing on techniques for upper elementary level piano playing, including reading music on the grand staff, transposing, accompanying, simple score reading, and performance of intermediate-level piano pieces. 54 hours laboratory.</td>
</tr>
<tr>
<td>MUS-32D</td>
<td>Piano IV</td>
<td>1</td>
<td>None</td>
<td>Continuation of the skills studied in MUS-32A, focusing on techniques for upper elementary level piano playing, including reading music on the grand staff, transposing, accompanying, simple score reading, and performance of intermediate-level piano pieces. 54 hours laboratory.</td>
</tr>
<tr>
<td>MUS-31</td>
<td>College Choir</td>
<td>1</td>
<td>None</td>
<td>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.</td>
</tr>
<tr>
<td>MUS-37</td>
<td>Guitar</td>
<td>1</td>
<td>None</td>
<td>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.</td>
</tr>
</tbody>
</table>

**WEB-ENHANCED CLASSES**

- **MUS-19 Music Appreciation**
  - Internet access is required.
  - Last day to add: 02/22/19
  - Instructor: K. Kamerin
  - 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 Piano I**
  - Internet access is required.
  - Last day to add: 02/11/19
  - Instructor: K. Kamerin
  - Description: This beginning course focuses on developing the skills needed for performing on piano, including playing major and parallel minor scales, reading music on the grand staff, accompanying, score reading, sight reading, and performance of piano pieces. 54 hours laboratory.

- **MUS-32B Piano II**
  - Internet access is required.
  - Last day to add: 02/11/19
  - Instructor: K. Kamerin
  - Description: Continuation of the skills studied in MUS-32A, focusing on techniques for upper elementary level piano playing, including reading music on the grand staff, transposing, accompanying, simple score reading, and performance of intermediate-level piano pieces. 54 hours laboratory.

- **MUS-32C Piano III**
  - Internet access is required.
  - Last day to add: 02/11/19
  - Instructor: K. Kamerin
  - Description: Continuation of the skills studied in MUS-32A, focusing on techniques for upper elementary level piano playing, including reading music on the grand staff, transposing, accompanying, simple score reading, and performance of intermediate-level piano pieces. 54 hours laboratory.

- **MUS-32D Piano IV**
  - Internet access is required.
  - Last day to add: 02/11/19
  - Instructor: K. Kamerin
  - Description: Continuation of the skills studied in MUS-32A, focusing on techniques for upper elementary level piano playing, including reading music on the grand staff, transposing, accompanying, simple score reading, and performance of intermediate-level piano pieces. 54 hours laboratory.

- **MUS-31 College Choir**
  - Internet access is required.
  - Last day to add: 03/14/19
  - Instructor: K. Kamerin
  - 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-38 Beginning Applied Music I 2 UNITS
Prerequisite: None Limitation on enrollment: Audition on or before the 1st 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.
32585 Last day to add: 03/18/19
V E L  02/11/19 06/07/19 06:15PM 07:30PM MW T H T R 204

MUS-39 Applied Music I 3 UNITS
Prerequisite: None Limitation on enrollment: Audition on or before the 1st 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.
32586 Last day to add: 03/18/19
V E L  02/11/19 06/07/19 06:15PM 07:30PM MW T H T R 204

MUS-41 Chamber Singers 2 UNITS
Prerequisite: None Limitation on enrollment: Audition on or before the 1st 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)
32588 Last day to add: 03/15/19
V E L  02/11/19 06/07/19 11:15AM 12:30PM MW T H T R 204

MUS-70 Guitar Ensemble 1 UNIT
Prerequisite: None Limitation on enrollment: Audition on or before the 1st 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.
32828 Last day to add: 02/22/19
V E L  02/11/19 06/07/19 06:15PM 07:30PM MW T H T R 204

MUS-78 Beginning Applied Music II 2 UNITS
Prerequisite: None Limitation on enrollment: Audition on or before the 1st 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)
32590 Last day to add: 03/18/19
V E L  02/11/19 06/07/19 06:15PM 07:30PM MW T H T R 204

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MUS-79  Applied Music II 3 UNITS
Prerequisite: None
Limitation on enrollment: Audition on or before the 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.
32591  Last day to add: 03/03/19
WEL 02/19 06/07/19 11:10AM 12:35PM MW IT 108
The above section is a web-enhanced class and has a 162-hour laboratory requirement to be arranged. Internet access is required. This course is an independent study in voice, piano, guitar, bass or drums. An audition is required. Mandatory instructional meeting will be held on Thursday, February 18th from 12:30PM - 1:30PM in TH 101. If you cannot attend the meeting you must contact Professor Kamerin to schedule an audition. The deadline to schedule an audition is Tuesday, February 20th. 9 hours of lessons and 9 hours of required performance time are to be arranged with your instructor. In addition, students are required to practice in the Norco music practice facilities for 9 hours per week. For additional information, please email kim.kamerin@norcolllege.edu or call 951-738-7703.
Instructor: Sia L

MUS-89  Music of Multicultural America 3 UNITS
Prerequisite: None
Description: A comparative and integrative study of the multicultural musical styles of the United States.
32592  Last day to add: 02/22/19
Q 02/19 06/07/19 09:15AM 10:40AM MW ST 101
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com.
Instructor: Sia L

MUS-93  The Business of Music 3 UNITS
Prerequisite: None
Description: An overview of the business side of performing, recording and publishing music.
32594  Last day to add: 02/22/19
WE 02/19 06/07/19 12:45PM 02:10PM MW IT 109
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com. In addition to the online lecture, students are required to attend an orientation at Norco College the first week of the semester. Dates and times will be posted in Backboard. Students must also meet on-campus for an instructor conference and for 11 exams. Please see Backboard for specific dates and times.
Instructor: Sia L

MUS-200  MusicWork Experience 1 UNIT
Prerequisite: None
Advisory: Students should have paid or voluntary employment.
Description: Course is designed to coordinate the student's occupational on-the-job training with related classroom instruction.
32575  Last day to add: 02/22/19
WE 02/19 06/07/19 09:15AM 10:40AM MW IT 108
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com. In addition to the online lecture, students are required to attend an orientation at Norco College the first week of the semester. Dates and times will be posted in Backboard. Students must also meet on-campus for an instructor conference and for 11 exams. Please see Backboard for specific dates and times.
Instructor: Sia L

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.
32597  Last day to add: 02/22/19
Q 02/19 06/07/19 09:15AM 10:40AM MW IT 108
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com.
Instructor: L Monet

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.
32598  Last day to add: 03/06/19
WE 02/23/19 06/01/19 08:00AM 12:05PM IT 117
The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.
Instructor: L Monet

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.
32599  Last day to add: 02/22/19
WE 02/19 06/07/19 11:10AM 12:35PM MW IT 108
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com.
Instructor: J Santman

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.
32596  Last day to add: 02/22/19
WE 02/19 06/07/19 11:10AM 12:35PM MW IT 108
The above section is a web-enhanced class. Internet access is required. See www.opencampus.com.
Instructor: J Santman
The above section is a web-enhanced class. Internet access is required.

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.
32600 Last day to add: 02/22/19
WE 02/11/19 02/07/19 02:30PM 03:55PM THI IT208
The above section is a web-enhanced class. Internet access is required.
Instructor: T. Farmer

PHI-10H Honors Introduction to Philosophy 3 UNITS
Prerequisite: None Limitation on enrollment: Enrollment in the Honors Program
Description: A survey and exploration of significant questions in the Western philosophical tradition through an examination of primary sources. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. This Honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, discussions and projects generated and led by students, the application of higher level thinking and writing skills, analysis, synthesis, and evaluation. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.
32599 Last day to add: 02/22/19
WE 02/11/19 02/07/19 08:00AM 09:10AM W IT110
The above section is a web-enhanced class. Internet access is required.
Instructor: M. Murphy

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.
32602 Last day to add: 02/22/19
WE 02/11/19 02/07/19 08:15AM 10:40AM MV WEQMB
The above section is a web-enhanced class. Internet access is required.
Instructor: J. Gill

PHI-12 Ethics: Contemp Moral Issues 3 UNITS
Prerequisite: None.
Advisory: ENG-50 or ENG-80
Description: An examination of contemporary moral problems in light of ethical theory.
32604 Last day to add: 02/22/19
WE 02/11/19 02/07/19 02:30PM 03:55PM THI AICE204
The above section is a web-enhanced class. Internet access is required.
Instructor: J. Gill

PHI-22 Philosophy of Science 3 UNITS
Prerequisite: None
Advisory: Qualification for English 1A
Description: An examination of philosophical ideas about the nature of scientific knowledge, how it enables us to understand the world, and the role of values in science. Historical and current examples from the various sciences will be used to explore these questions. The dependence of contemporary policy and personal decisions on scientific knowledge will also be explored. 54 hours lecture.
32609 Last day to add: 02/22/19
WE 02/11/19 02/07/19 11:10AM 12:35PM THI UER109
The above section is a web-enhanced class. Internet access is required.
Instructor: J. Gill
PHI-32  Introduction to Symbolic Logic  3 UNITS
Prerequisite: None. Limitation on enrollment: May not be taken if credit for MAT-32
has been granted.
Description: Principles of deductive reasoning applying modern symbolic
techniques. (Same as MAT-32)
Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:30PM 03:55PM MV AEC210
Instructor: MMurphy

PHOTOGRAPHY
PHO-20  Introduction to Digital Photography  3 UNITS
Prerequisite: None
Description: Theory and practice in the basic techniques of producing digital
photographs with technical and artistic merit. Acquire competency in the use of
 cameras with an emphasis on understanding the relationship of shutter, aperture
 and focal length. Software utilized may include Adobe Photoshop, Adobe
Lightroom and others. Students are required to supply their own digital single lens
 reflex (SLR) camera with manual controls. 36 hours lecture and 54 hours laboratory.
Last day to add: 03/05/19
WE 02/11/19 06/07/19 08:00AM 10:10AM F AEC109
WEL 02/11/19 06/07/19 10:20AM 01:40PM F AEC109
The above section is a short term web-enhanced class. Internet access is required. Please
note the start and end dates.
Instructor: 3ati

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.
Last day to add: 02/22/19
LEC 02/11/19 06/07/19 08:00AM 09:25AM TTH HUM201
Instructor: 3ati

PHYSICS
PHY-2A  General Physics I  4 UNITS
Prerequisite: None
Corequisite: MAT-1A
Description: Meets the requirements for students majoring in biological science,
including pre-medical and pre-dental students. This course examines properties
of matter; study of kinematics and mechanics, including Newton’s laws, energy,
momentum, and rotational motion; fluid mechanics; gravitation; study of oscillatory
motion; study of wave motion, including sound waves. 54 hours lecture and 54
hours laboratory.
Last day to add: 02/22/19
WE 02/11/19 06/07/19 10:30AM 11:55AM MW HUM201
WEL 02/11/19 06/07/19 01:00PM 02:25PM M HUM201
The above section is a short term web-enhanced class. Internet access is required.
Instructor: 3ati

PHY-4A  Mechanics  4 UNITS
Prerequisite: None
Corequisite: MAT-1A
Description: Examines vectors, particle kinematics and dynamics, work, power,
conservation of energy and momentum, rotation, oscillations and gravitation. 54
hours lecture and 54 hours laboratory.
Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:45AM 10:10AM MW HUM201
WEL 02/11/19 06/07/19 01:00PM 04:10PM W HUM201
The above section is a web-enhanced class. Internet access is required.
Instructor: 3ati

PHY-4B  Electricity and Magnetism  4 UNITS
Prerequisite: PHY-4A
Corequisite: MAT-1B
Description: Study of electric fields, voltage, current, magnetic fields, electromagnetic
induction, alternating currents and electromagnetic waves. 54 hours lecture and 54
hours laboratory.
Last day to add: 02/22/19
WE 02/11/19 06/07/19 10:30AM 11:55AM MW HUM201
WEL 02/11/19 06/07/19 01:00PM 04:10PM M HUM201
The above section is a web-enhanced class. Internet access is required.
Instructor: 3ati

PHYSICS
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.
32610
LEC 02/11/19 06/07/19 02:30PM 03:55PM TTH WED/TH
Instructor: Sj

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.
32630
LEC 02/11/19 06/07/19 02:30PM 03:55PM TTH WED/TH
Online
The above section is an online class. Computer with Internet access required.
See: www.openampus.com
Instructor: Sj

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.
32612
LAB 02/11/19 06/07/19 06:00PM 08:20PM MTW
Instructor: Sj

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.
32628
LEC 02/11/19 06/07/19 02:30PM 03:55PM TTH WED/TH
Online
The above section is a web-enhanced class. Internet access is required.
See: www.openampus.com
Instructor: Sj

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.
32623
LEC 02/11/19 06/07/19 02:30PM 03:55PM TTH WED/TH
Online
The above section is a web-enhanced class. Internet access is required.
See: www.openampus.com
Instructor: CE

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.
32622
LEC 02/11/19 06/07/19 02:30PM 03:55PM TTH WED/TH
Online
The above section is a web-enhanced class. Internet access is required.
See: www.openampus.com
Instructor: CE

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.
32621
LEC 02/11/19 06/07/19 02:30PM 03:55PM TTH WED/TH
Online
The above section is a web-enhanced class. Internet access is required.
See: www.openampus.com
Instructor: Sj

S tudents may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

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

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

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.
32617 Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:10AM 12:40PM MW IT 202
The above section is a hybrid 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.
32618 Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:10AM 12:40PM MW IT 202
The above section is a hybrid class. Internet access is required.
Instructor: C. Samuel

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.
32620 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM M IT 202
The above section is a hybrid 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.
32621 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM M IT 202
The above section is a hybrid class. Internet access is required.
Instructor: F. Carrillo

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.
32622 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM M IT 202
The above section is a hybrid class. Internet access is required.
Instructor: F. Carrillo
POL-1 American Politics 3 UNITS
Prerequisite: None
Advisory: FEA-83 and qualification for ENGL-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.
Semester: W E
Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT22
Instructor: F Galullo

POL-1H Honors American Politics 3 UNITS
Prerequisite: None
Advisory: FEA-83 and qualification for ENGL-1A Limitation on enrollment: Enrollment in the Honors Program
Description: This course addresses the principles, institutions and critical issues of American politics, with emphasis placed on the national government. Special, the course offers an enhanced exploration of the philosophic and ideological sources of the American political system and its political culture, political parties and electoral system as well as political interest groups, mass movements, public policy, the media, the judicial system, and California state and local government. The honors course offers an enriched educational experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher-order critical thinking skills. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.
Semester: W E
Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:15AM 12:40PM TTH IT28
Instructor: SFqiian

POL-2 Comparative Politics 3 UNITS
Prerequisite: None
Advisory: FEA-83 and qualification for English 1A
Description: A comparative study of selected European, Asian, African, Latin American, and Middle Eastern political systems. Concerned with broadening and deepening the students understanding of the nature and variety of political systems. Course topics will include a study of institutions, issues, and policies of various countries. Students may not receive credit for both POL-2 and POL-2H. 54 hours lecture.
Semester: W E
Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:30PM 03:55PM TTH IT20
Instructor: J Popiden

POL-5 The Law and Politics 3 UNITS
Prerequisite: None
Advisory: FEA-83 and qualification for English 1A
Description: The principles and problems of the constitution are examined, with emphasis on how the constitution impacts public policy. Also, the course looks at the constitutional considerations affecting civil rights and liberties. 54 hours lecture.
Semester: W E
Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:15AM 12:40PM TTH IT22
Instructor: S Smuls

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.
Semester: W E
Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 12:05PM SI T101
Instructor: B 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.
Semester: W E
Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 12:05PM SI T101
Instructor: B 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.
Semester: W E
Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 12:05PM SI T101
Instructor: B 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.
Semester: W E
Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 12:05PM SI T101
Instructor: B Adams

Instructor: RAE-83 and qualification for ENGL-1A Limitation on enrollment: Enrollment in the Honors Program
Description: This course addresses the principles, institutions and critical issues of American politics, with emphasis placed on the national government. Special, the course offers an enhanced exploration of the philosophic and ideological sources of the American political system and its political culture, political parties and electoral system as well as political interest groups, mass movements, public policy, the media, the judicial system, and California state and local government. The honors course offers an enriched educational experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher-order critical thinking skills. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.
Semester: W E
Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:15AM 12:40PM TTH IT28
Instructor: SFqiian
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. 32639 Last day to add: 02/22/19
WE  02/11/19  06/07/19  09:15AM  10:40AM  MV  IT202
The above section is a web-enhanced class. Internet access is required.
Instructor: T. Caddell

PSY-1  General Psychology  3 UNITS
Prerequisite: None.
Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy. 32643 Last day to add: 02/22/19
WE  02/11/19  06/07/19  11:10AM  12:35PM  MV  IT117
The above section is a web-enhanced class. Internet access is required.
Instructor: J. Trujillo

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. 32638 Last day to add: 02/22/19
WE  02/11/19  06/07/19  12:45PM  02:10PM  MW  IT208
The above section is a web-enhanced class. Internet access is required.
Instructor: J. Trujillo

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. 32640 Last day to add: 02/22/19
WE  02/11/19  06/07/19  09:00AM  10:25AM  TH  WED
The above section is a web-enhanced class. Internet access is required.
Instructor: W. Himquisten

PSY-1H  Honors General Psychology  3 UNITS
Prerequisite: None. Limitation on enrollment: Enrollment in the Honors Program
Description: Historical and philosophical antecedents of contemporary psychology; the scientific study of behavior and mental processes as systemized in learning, motivation, emotion, personality, intelligence, and thought. 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 PSY-1 and PSY-1H. 54 hours lecture. 32819 Last day to add: 02/22/19
WE  02/11/19  06/07/19  12:45PM  02:10PM  MV  IT208
The above section is a web-enhanced class. Internet access is required.
Instructor: L. Adams

PSY-2  Biological Psychology  3 UNITS
Prerequisite: PSY-1
Description: The scientific study of brain-behavior relationships and mental processes. Issues addressed include: historical scientific contributions and current research principles for studying brain-behavior associations and mental processes, basic nervous system structure and function, sensory and motor systems, emotion, motivation, learning and memory, sleep and dreaming, and neurological and mental disorders. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental investigations. 54 hours lecture. 32644 Last day to add: 02/22/19
WE  02/11/19  06/07/19  12:45PM  02:10PM  MV  IT122
The above section is a web-enhanced class. Internet access is required.
Instructor: L. Adams

PSY-8  Introduction to Social Psychology  3 UNITS
Prerequisite: None.
Description: The study of individual human behavior in relation to the social environment.
32648 Last day to add: 02/22/19
WE  02/11/19  06/07/19  11:15AM  12:40PM  TH  ATEC205
The above section is a web-enhanced class. Internet access is required.
Instructor: L. Adams

PSY-9  Developmental Psychology  3 UNITS
Prerequisite: None.
Description: 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. 32654 Last day to add: 02/22/19
OL  02/11/19  06/07/19  ONLINE
The above section is an online class. Computer with Internet access required.
See: www.opeccampus.com
Instructor: K. Zaminska
PSY-9 Developmental Psychology 3 UNITS
Prerequisite: None
Description: 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.
32622 Last day to add: 02/22/19

OL 02/11/19 06/07/19 ONLINE
The above section is an online class. Computer with Internet access required.
Instructor: K Zamiska

PSY-9 Developmental Psychology 3 UNITS
Prerequisite: None
Description: 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.
32822 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:30PM 03:55PM MW IT 106
The above section is a web-enhanced class. Internet access required.
Instructor: A Deane

PSY-9 Developmental Psychology 3 UNITS
Prerequisite: None
Description: 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.
32650 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT 106
The above section is a web-enhanced class. Internet access required.
Instructor: W Radtke

PSY-9 Developmental Psychology 3 UNITS
Prerequisite: None
Description: 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.
32645 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM T IT 117
The above section is a web-enhanced class. Internet access required.
Instructor: K Zamiska

PSY-48 Statistics for the Behavioral Sciences 3 UNITS
Prerequisite: MAT-35
Description: This course introduces students to basic statistical methods and analyses commonly used in behavioral science research. Topics cover both inferential and descriptive statistics including correlations, regression analysis, chi-squares, t-tests, analysis of variance, and an introduction to factorial designs. This course covers the logic of hypothesis testing and emphasizes conceptualization of material and interpreting findings for use in behavioral science research above computation. This course trains students to use a statistical software package used by behavioral science researchers and prepares them to profitably consume published research in the behavioral sciences. 54 hours lecture.
32823 Last day to add: 02/22/19
WE 02/11/19 06/07/19 02:30PM 03:55PM MW IT 106
The above section is a web-enhanced class. Internet access required.
Instructor: L Adams
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.)
32660 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 11:10AM 12:30PM W LIB110
Instructor: M. Sniger

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.)
32669 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 11:10AM 12:30PM W LIB110
Instructor: M. Sniger

REAL ESTATE

RLE-80 Real Estate Principles 3 UNITS
Prerequisite: None.
Description: Comprehensive analysis of basic laws, principleterminalogy and current practices of California real estate.
32661 Last day to add: 02/19/19
L 02/11/19 04/05/19 ONLINE
The above section is a short term online class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: SDill

RLE-80 Real Estate Principles 3 UNITS
Prerequisite: None.
Description: Comprehensive analysis of basic laws, principleterminalogy and current practices of California real estate.
32662 Last day to add: 04/23/19
L 02/11/19 04/05/19 ONLINE
The above section is a short term online class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: LNirmal

RLE-80 Real Estate Principles 3 UNITS
Prerequisite: None.
Description: Comprehensive analysis of basic laws, principleterminalogy and current practices of California real estate.
32663 Last day to add: 02/22/19
HYB 02/11/19 04/05/19 09:30AM 07:20PM M, T, TH, F, S ONLINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: LNirmal

RE-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.
32647 Last day to add: 02/22/19
WE 02/11/19 06/07/19 10:45AM 12:10PM W OCFT
The above section is a web-enhanced class. Internet access is required.
Instructor: K. Zmirka

RE-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.
32646 Last day to add: 02/22/19
WE 02/11/19 06/07/19 03:00PM 04:50PM W OCFT
The above section is a web-enhanced class. Internet access is required.
Instructor: K. Zmirka

REAL ESTATE

RLE-80 Real Estate Principles 3 UNITS
Prerequisite: None.
Description: Comprehensive analysis of basic laws, principleterminalogy and current practices of California real estate.
32661 Last day to add: 02/19/19
OL 04/15/19 06/07/19 ONLINE
The above section is a short term online class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: J. Sloinger

RLE-80 Real Estate Principles 3 UNITS
Prerequisite: None.
Description: Comprehensive analysis of basic laws, principleterminalogy and current practices of California real estate.
32662 Last day to add: 04/23/19
OL 02/11/19 04/05/19 ONLINE
The above section is a short term online class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: K. Zmirika

RLE-80 Real Estate Principles 3 UNITS
Prerequisite: None.
Description: Comprehensive analysis of basic laws, principleterminalogy and current practices of California real estate.
32663 Last day to add: 02/22/19
HYB 02/11/19 04/05/19 09:30AM 07:20PM M, T, TH, F, S ONLINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: L. Namazi

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.
32647 Last day to add: 02/22/19
WE 02/11/19 06/07/19 10:45AM 12:10PM W OCFT
The above section is a web-enhanced class. Internet access is required.
Instructor: K. Zmirka

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.
32646 Last day to add: 02/22/19
WE 02/11/19 06/07/19 03:00PM 04:50PM W OCFT
The above section is a web-enhanced class. Internet access is required.
Instructor: K. Zmirka

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.)
32660 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 11:10AM 12:30PM W LIB110
Instructor: M. Sniger

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.)
32669 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 11:10AM 12:30PM W LIB110
Instructor: M. Sniger

REAL ESTATE

RLE-80 Real Estate Principles 3 UNITS
Prerequisite: None.
Description: Comprehensive analysis of basic laws, principleterminalogy and current practices of California real estate.
32661 Last day to add: 02/19/19
OL 02/11/19 04/05/19 ONLINE
The above section is a short term online class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: J. Sloinger

RLE-80 Real Estate Principles 3 UNITS
Prerequisite: None.
Description: Comprehensive analysis of basic laws, principleterminalogy and current practices of California real estate.
32662 Last day to add: 04/23/19
OL 02/11/19 04/05/19 ONLINE
The above section is a short term online class. Computer with Internet access required.
See www.opencampus.com. Please note the start and end dates.
Instructor: K. Zmirika

RLE-80 Real Estate Principles 3 UNITS
Prerequisite: None.
Description: Comprehensive analysis of basic laws, principleterminalogy and current practices of California real estate.
32663 Last day to add: 02/22/19
HYB 02/11/19 04/05/19 09:30AM 07:20PM M, T, TH, F, S ONLINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: L. Namazi
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Last day to add</th>
<th>Section Dates</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>RLE-81</td>
<td>Real Estate Practices</td>
<td>3</td>
<td>None</td>
<td>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.</td>
<td>02/19/19</td>
<td>OL 02/11/19 04/05/19 ONLINE</td>
<td>T Wagner</td>
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<tr>
<td>RLE-81</td>
<td>Real Estate Practices</td>
<td>3</td>
<td>None</td>
<td>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.</td>
<td>04/23/19</td>
<td>OL 04/15/19 06/07/19 ONLINE</td>
<td>T Wagner</td>
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<tr>
<td>RLE-82</td>
<td>Legal Aspects of Real Estate</td>
<td>3</td>
<td>None</td>
<td>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.</td>
<td>02/19/19</td>
<td>OL 02/11/19 04/05/19 ONLINE</td>
<td>T Wagner</td>
</tr>
<tr>
<td>RLE-82</td>
<td>Legal Aspects of Real Estate</td>
<td>3</td>
<td>None</td>
<td>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.</td>
<td>04/23/19</td>
<td>OL 04/15/19 06/07/19 ONLINE</td>
<td>T Wagner</td>
</tr>
<tr>
<td>RLE-83</td>
<td>Real Estate Finance</td>
<td>3</td>
<td>None</td>
<td>Analysis of real estate finance in residential, apartment, commercial and special purpose properties. 54 hours lecture.</td>
<td>02/19/19</td>
<td>Q 02/11/19 04/05/19 ONLINE</td>
<td>T Wagner</td>
</tr>
<tr>
<td>RLE-83</td>
<td>Real Estate Finance</td>
<td>3</td>
<td>None</td>
<td>Analysis of real estate finance in residential, apartment, commercial and special purpose properties. 54 hours lecture.</td>
<td>04/23/19</td>
<td>Q 04/15/19 06/07/19 ONLINE</td>
<td>T Wagner</td>
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<tr>
<td>RLE-85</td>
<td>Real Estate Economics</td>
<td>3</td>
<td>None</td>
<td>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.</td>
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<tr>
<td>RLE-85</td>
<td>Real Estate Economics</td>
<td>3</td>
<td>None</td>
<td>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.</td>
<td>04/23/19</td>
<td>OL 04/15/19 06/07/19 ONLINE</td>
<td>T Wagner</td>
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<td>SOC-1</td>
<td>Introduction to Sociology</td>
<td>3</td>
<td>None</td>
<td>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.</td>
<td>02/22/19</td>
<td>WE 02/11/19 06/07/19 08:00AM 09:25AM TH JIEC14</td>
<td>K Andacheh</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; 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.

lecture

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<tr>
<th>Course Code</th>
<th>Start Date</th>
<th>End Date</th>
<th>Days</th>
<th>Time</th>
<th>Instructor</th>
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<td>32682</td>
<td>02/11/19</td>
<td>06/07/19</td>
<td>TTH</td>
<td>09:40AM - 11:05AM</td>
<td>T. E. C. 114</td>
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<td>32675</td>
<td>02/11/19</td>
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<td>W. E. Q. W6B</td>
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<td>32681</td>
<td>02/22/19</td>
<td>06/07/19</td>
<td>TTH</td>
<td>09:40AM - 11:05AM</td>
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Note: The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

Instructor: K. Andacheh

lecture

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.

lecture

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<tr>
<th>Course Code</th>
<th>Start Date</th>
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<th>Time</th>
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<td>32671</td>
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<td>06/07/19</td>
<td>TTH</td>
<td>02:30PM - 03:55PM</td>
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Note: The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

Instructor: K. Andacheh

lecture

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.

lecture

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<th>Course Code</th>
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<td>11:10AM - 12:35PM</td>
<td>W. E. Q. W7</td>
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Note: The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

Instructor: K. Andacheh

lecture
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: 32679
Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM
IT 101
The above section is a web-enhanced class. Internet access is required.
Instructor: Sta

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: 32673
Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM
IT 101
The above section is a web-enhanced class. Internet access is required.
Instructor: Sta

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: 32678
Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM
IT 101
The above section is a web-enhanced class. Internet access is required.
Instructor: Sta

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: 32674
Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 09:10PM
IT 117
The above section is a web-enhanced class. Internet access is required.
Instructor: KAndacheh
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.
32685 Last day to add: 02/22/19
WE 02/11/19 06/07/19 08:00PM 09:10PM TIT109
The above section is a web-enhanced class. Internet access is required.
Instructor: S. Hill

SOC-3 Social Inequality 3 UNITS
Prerequisite: None
Description: This course introduces students to the extent of inequality in its various forms in American society, the consequences of inequality for individual life chances and for society as a whole, the theoretical explanations given for the existence of inequality, and to the persistence of inequality and poverty. 54 hours lecture.
32687 Last day to add: 02/22/19
WE 02/11/19 06/07/19 11:15AM 12:40PM TH AEC114
The above section is a web-enhanced class. Internet access is required.
Instructor: K. Andacheh

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 ethnic, 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.
32680 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 12:45PM 02:10PM MW WEQ6
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.
Instructor: J. Hill

SOC-10 Race And Ethnic Relations 3 UNITS
Prerequisite: None
Description: An introduction to the relevant theories and operational definitions that ground the study of race and ethnic relations in the social sciences. Extensive treatment of prejudice, discrimination and the concept of racism. The course brings into sharper focus the history and contemporary status of White ethnic, 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.
32680 Last day to add: 02/22/19
LEC 02/11/19 06/07/19 05:50PM 08:00PM T CRCRL
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.
Instructor: J. Hill

SOC-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.
32684 Last day to add: 02/22/19
WE 02/11/19 06/07/19 12:45PM 02:10PM MV WED6V
The above section is a web-enhanced class. Internet access is required.
Instructor: S. Hill

SOC-20 Introduction to Criminology 3 UNITS
Prerequisite: None.
Description: A sociological analysis of crime, criminal law and criminality. 32686 Last day to add: 02/22/19
WE 02/11/19 06/07/19 06:00PM 08:10PM W AEC210
The above section is a web-enhanced class. Internet access is required.
Instructor: S. Hill
### 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](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

1. **SPANISH**
   - 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.
   - If you have acquired knowledge of Spanish outside of a formal educational institution, you must file a matriculation appeal 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. 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.)

<table>
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<th>CRN</th>
<th>Title</th>
<th>Section</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
<th>Location</th>
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<td>SPAN</td>
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<td>09/07/19</td>
<td>11:15AM</td>
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<tr>
<td>32691</td>
<td>Spanish 1</td>
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<td>W</td>
<td>06/07/19</td>
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<td>LIBR109</td>
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<tr>
<td>32692</td>
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<td>W</td>
<td>06/07/19</td>
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<td>LIBR121</td>
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</table>

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

**Instructor:** DHitchock

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### SPA-2 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.)

<table>
<thead>
<tr>
<th>CRN</th>
<th>Title</th>
<th>Section</th>
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<th>Start Time</th>
<th>End Time</th>
<th>Location</th>
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<tbody>
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</table>

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

**Instructor:** ALomeli Gomez

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### SPA-3 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.)

<table>
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<tr>
<th>CRN</th>
<th>Title</th>
<th>Section</th>
<th>Days</th>
<th>Start Time</th>
<th>End Time</th>
<th>Location</th>
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<td>06/07/19</td>
<td>04:00PM</td>
<td>LIBR121</td>
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The above section is a web-enhanced class. Internet access is required.
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.) 

32911  Last day to add: 02/22/19 
WE  02/11/19  06/07/19  06:00PM  09:10PM  LIBR 121
WE2  02/11/19  06/07/19  06:00PM  08:05PM  LIBR 121
WE  02/11/19  06/07/19  06:00PM  08:05PM  LIBR 121 

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

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  
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.) 

32912  Last day to add: 02/22/19 
HW  02/11/19  06/07/19  02:30PM  04:30PM  TH  LIBR 109
HW  02/11/19  06/07/19  02:30PM  04:30PM  W  LIBR 121
HDO  02/11/19  06/07/19  08:00AM  10:00AM  T  ONLINE
HML  02/11/19  06/07/19  08:00AM  10:00AM  T  LIBR 121 

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

SPA-1  Spanish 1  5 UNITS  
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.) 

32689  Last day to add: 02/22/19 
WE  02/11/19  06/07/19  06:00PM  08:05PM  LIBR 121
WE  02/11/19  06/07/19  06:00PM  08:05PM  LIBR 121
WE  02/11/19  06/07/19  06:00PM  08:05PM  LIBR 121 

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

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.) 

32693  Last day to add: 02/22/19 
WE  02/11/19  06/07/19  06:00PM  08:05PM  T  LIBR 121
WE  02/11/19  06/07/19  06:00PM  08:05PM  TH  LIBR 121
WE  02/11/19  06/07/19  06:00PM  08:05PM  T  LIBR 121
WE  02/11/19  06/07/19  06:00PM  08:05PM  TH  LIBR 121 

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

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.) 

32695  Last day to add: 02/22/19 
HW  02/11/19  06/07/19  02:30PM  04:30PM  T  LIBR 109
HW  02/11/19  06/07/19  02:30PM  04:30PM  TH  LIBR 121
HW  02/11/19  06/07/19  02:30PM  04:30PM  W  LIBR 121
HML  02/11/19  06/07/19  08:00PM  10:00PM  T  ONLINE
HML  02/11/19  06/07/19  08:00PM  10:00PM  W  LIBR 121 

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

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.)

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.

SPA-4  Spanish 4  5 UNITS  
Prerequisite: SPA-3 or SPA-3N, qualifying placement level on the Spanish assessment test or the equivalent  
Description: Further development of intermediate skills in listening, reading, speaking and writing. A review of the vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the intermediate level. Enhancement of basic Spanish language skills through the reading of authentic literary and factual texts. 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.)

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.

SPA-8  Intermediate Conversation  3 UNITS  
Prerequisite: SPA-2 or SPA-2H or SPA-3 or SPA-3N or SPA-4  
Description: Intermediate-level vocabulary building and improvement of speaking proficiency in the context of Hispanic culture, daily life, and topics of current interest. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

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.

THEATERARTS

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.

See www.opencampus.com. Please note the start and end dates.
THE-39 Acting for the Camera 3 UNITS
Prerequisite: None
Advisory:THE-32
Description: Principles and techniques of specialized methods and styles involved in acting for the camera culminating in performance on film. This course encompasses the study and exercise in the special techniques of acting for the motion picture and television cameras. Emphasis will be placed on gaining an understanding of the various camera angles, shots, positions and actor behaviors that are unique to acting before a camera. Practical work in front of a camera is required. 45 hours lecture and 27 hours laboratory.

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.

WRITE LAB -NORCO FULL TERM

WL-LAB Writing Center Lab 0 UNITS
Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills. Prerequisite: None.
32716 Last day to add: 02/22/19
Instructor: NJgpps

WL-LAB Writing Center Lab 0 UNITS
Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills. Prerequisite: None.
32721 Last day to add: 02/22/19
Instructor: NJgpps

WL-LAB Writing Center Lab 0 UNITS
Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills. Prerequisite: None.
32722 Last day to add: 02/22/19
Instructor: NJgpps
WL–LAB  Writing Center Lab  0 UNITS
Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills. Prerequisite: None.
32723  Last day to add: 02/22/19
VEL  02/11/19  06/07/19  04:00PM  04:50PM  T  IT121
Instructor: NCapps

WL–LAB  Writing Center Lab  0 UNITS
Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills. Prerequisite: None.
32715  Last day to add: 02/22/19
VEL  02/11/19  06/07/19  06:00PM  06:50PM  M  IT121
Instructor: NCapps