Summer 2018
CLASSES BEGIN JUNE 18
NORCO COLLEGE

#twitter #youtube #instagram #facebook

For important information regarding fees, payment deadlines, financial aid and registration please refer to our Information Pages. Para información en español, por favor refiérase a la sección 17-23 de nuestra Páginas de Información.
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-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.)
OL 06/18/18 07/26/18
OL 06/18/18 07/26/18
The above section is an online class. Computer with Internet access required.
Instructor: P Worsham

ACC-66  Non-Profit and Governmental Accounting  3 UNITS
Prerequisite: ACC-1A
Advisory: BUS-20
Description: A study of the principles and practices of non-profit and governmental entities fund accounting. Topics include accounting concepts, types and structure of funds and accounts, application of generally accepted accounting principles to non-profit and governmental organizations. 54 hours lecture.
OL 06/18/18 07/26/18
OL 06/18/18 07/26/18
Last day to add: 06/23/18
ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: P Worsham

ANATOMY AND PHYSIOLOGY

AMY-10  Survey of Human Anatomy and Physiology  3 UNITS
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.
WE 06/18/18 07/26/18 01:30PM 03:40PM MTWTH ATEC 114
The above section is a web-enhanced class. Internet access is required.
Instructor: G Johansen

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

### 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.  
35950  
**Last day to add:** 06/23/18  
**OL 06/18/18 07/26/18 ON LINE**  
The above section is an online class. Computer with Internet access required.  
**Instructor:** A Gray

### 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.  
36105  
**Last day to add:** 06/22/18  
**LAB 06/18/18 07/26/18 03:15PM 06:05PM MTWTH HUM 111**  
**Instructor:** Staff

### 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.  
35951  
**Last day to add:** 06/22/18  
**WE 06/18/18 07/26/18 06:15PM MTH HUM 111**  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** A Mejia

## ART

### 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.)  
35954  
**Last day to add:** 06/23/18  
**OL 06/18/18 07/26/18 ON LINE**  
The above section is an online class. Computer with Internet access required.  
**Instructor:** Q Bemiller

### 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.)  
36106  
**Last day to add:** 06/22/18  
**WE 06/18/18 07/26/18 01:00PM 03:10PM MTWTH HUM 111**  
**WEQ W4**  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** B May

### 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.)  
35952  
**Last day to add:** 06/22/18  
**WE 06/18/18 07/26/18 06:15PM 09:05PM MTWTH HUM 111**  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** A Mejia
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)

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<td>J Julius</td>
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The above section is a web-enhanced class. Internet access is required.

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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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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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>C Wilson</td>
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The above section is a web-enhanced class. Internet access is required.

BIO-7  Marine Biology  4 UNITS
Prerequisite: None.
Description: An ecological study of the marine environment. Emphasis will be placed on the local marine algae, plants, and animals and their interactions with the physical environment. Frequent field trips are combined with laboratory observations to acquaint the student with the identification and understanding of the common marine organisms of the Southern California coastline. 54 hours lecture and 54 hours laboratory

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<td>M Smith</td>
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The above section is a web-enhanced class. Internet access is required.
BIO-34  Human Genetics 3 UNITS
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.  
35962  Last day to add: 06/23/18  
HYB 06/18/18 07/26/18 08:00AM 10:15AM TTH HUM 102  
The above section is a web-enhanced class. Internet access is required.  
Instructor: V Mixson

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)
36123  Last day to add: 06/22/18  
WE 06/18/18 07/26/18 10:35AM 12:45PM MTWTH IT 101  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A Wilson Santhsokumar

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, payrolls, taxes, simple interest, compound interest, present 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.
35963  Last day to add: 06/22/18  
HYB 06/18/18 07/25/18 08:00AM 10:05AM MW HUM 102  
HYB 06/18/18 07/25/18 08:00AM 10:05AM ON LINE  
The above section is a hybrid class. Computer with Internet access required.  
Instructor: E Doucette

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)
36114  Last day to add: 06/23/18  
OL 06/18/18 07/26/18 08:00AM 10:10AM MTWTH ATEC 114  
The above section is an online class. Computer with Internet access required.  
Instructor: R Beck

BUS-87  Purchasing and Supply Management 3 UNITS
Prerequisite: None
Description: Study of the purchasing and supply manager’s responsibilities including the identification, acquisition, positioning and management of materials, services and equipment that organizations need to attain their goals. Emphasis is on decision making, integration with suppliers, critical internal relationships, and customer (end user) service. 54 hours lecture. (Letter Grade, or Pass/No Pass option)
35965  Last day to add: 06/23/18  
OL 06/18/18 07/26/18 08:00AM 10:10AM MTWTH HUM 204  
The above section is an online class. Computer with Internet access required.  
Instructor: R Beck

CHEMISTRY

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)
35968  Last day to add: 06/22/18  
WE 06/18/18 07/26/18 08:00AM 10:10AM MTWTH ATEC 114  
WEL 06/18/18 07/26/18 10:20AM 12:30PM MTWTH HUM 204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A Duggal

CHE-2A  Introductory Chemistry, I 4 UNITS
Prerequisite: MAT-52
Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option)
36124  Last day to add: 06/22/18  
WE 06/18/18 07/26/18 08:00AM 10:10AM MTWTH ATEC 114  
WEL 06/18/18 07/26/18 01:00PM 03:10PM MTWTH HUM 204  
The above section is a web-enhanced class. Internet access is required.  
Instructor: A Duggal

LAB - Hybrid Lecture • HYB - Hybrid Lab • HYBLO - Hybrid Online Lab • HYBO - Hybrid Online Lecture • LAB - Lab • LEC - Lecture • OL - Online Lecture • OLL - Online Lab
WE - Web Enhanced Lecture • WEL - Web Enhanced Lab • WRK - Work Experience Lecture • WRKH - Hybrid Work Experience • WRKO - Work Experience Online
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https://www.bkstr.com/norcocollegestore/
CHE-2A  
Introduction to 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.)

Instructor: C Lugo

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.

Instructor: C Brotherton

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.

Instructor: T Pryor

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https://www.bkstr.com/norcocollegestore/
### 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)

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<th>Section</th>
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<tr>
<td>36118</td>
<td>06/18/18 - 07/26/18</td>
<td>01:00PM - 03:50PM MTH IT 125</td>
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The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

**Instructor:** A Rainey

### CIS-77 Full Stack Web Development 8 UNITS
Prerequisite: None
Description: The course teaches students how to develop web-based applications (apps) and websites to prepare for entry level web media jobs and to provide resources and techniques to assist aspiring entrepreneurs in conceiving web-based start-up companies. This course prepares a student to become a full-stack web developer. Course is subdivided into three phases. The first phase teaches web-media development fundamentals such as HTML language, Cascading Style Sheets (CSS), and Javascript, and open source software tools, etc. The next phase introduces web apps and website programming tools for rapid deployment and for expanding the functionality of a project. During the last phase the student selects and develops a special project to demonstrate and showcase the newly acquired full-stack web development skills. 36 hours lecture and 324 hours of lab.

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**Instructor:** Staff

### CIS-78A Intro Adobe Photoshop 3 UNITS
Prerequisite: None
Description: Introduction to Adobe Photoshop including selections, layers, masks, channels and vector art for manipulating images. (Same as CAT-78A)

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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:** G Marquez

### CIS-98A Introduction to Excel 1.50 UNITS
Prerequisite: None.
Description: An introduction to electronic spreadsheets using Excel. (Same as CAT-98A)

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

See www.opencampus.com. All hours, including the 18-hour laboratory requirement, are completed online.

**Instructor:** C McConnell-Freeman

### 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.)

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

**Instructor:** B Rihan

### 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.)

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**Instructor:** J Muto

### COMMUNICATION STUDIES

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

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Get important textbook information, including ISBN numbers and pricing, and reserve for in-store pickup or delivery to your home! [https://www.bkstr.com/norcocollegestore/](https://www.bkstr.com/norcocollegestore/)
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.)  
35977  Last day to add: 06/22/18  
WE 06/18/18 07/26/18 06:00PM 08:50PM MITH IT 210  
The above section is a web-enhanced class. Internet access is required.  
Instructor: R Stinson

COM-9  Interpersonal Communication  3 UNITS  
Prerequisite: None  
Advisory: COM-51 and qualification for ENG-1A  
Description: Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)  
35980  Last day to add: 06/22/18  
WE 06/18/18 07/26/18 03:30PM 05:40PM MTWTH IT 210  
The above section is a web-enhanced class. Internet access is required.  
Instructor: L Tat

CONSTRUCTION TECHNOLOGY

CON-60  Introduction to Construction  3 UNITS  
Prerequisite: None  
Description: This course will provide an overview of the basic concepts of construction, including city and regional planning, managing, contracting, designing, engineering, estimating, bidding, inspection and production work normally associated with construction. An overview of how building codes affect the design, materials and methods of constructing buildings and other projects. Students will be expected to participate in several field trips. 54 hours lecture.  
35984  Last day to add: 06/23/18  
LEC 06/19/18 07/26/18 06:00PM 09:05PM TWTH IT 123  
Instructor: H Lindner

EARLY CHILDHOOD EDUCATION

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.  
35985  Last day to add: 06/23/18  
OL 06/18/18 07/26/18 06:00PM 09:05PM ON LINE  
The above section is an online class. Computer with Internet access required.  
Instructor: S Burnett
ECONOMICS

ECO-7 Principles of Macroeconomics 3 UNITS
Prerequisite: MAT-52
Advisory: MAT-35 and qualification for ENG-1A
Description: Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes aggregative economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.
35989 Last day to add: 06/22/18
WE 06/18/18 07/26/18 10:35AM 12:45PM MTWTH IT 117
The above section is a web-enhanced class. Internet access is required.
Instructor: P Boelman

ELECTRONICS

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.
35990 Last day to add: 06/22/18
LEC 06/18/18 07/26/18 01:00PM 04:15PM MTTH ATEC 119
LAB 06/18/18 07/26/18 04:25PM 05:40PM MTTH ATEC 119
Instructor: M Dowlatabadi

ENGINEERING

ENE-51 Blueprint Reading 2 UNITS
Prerequisite: None
Description: A beginning course in the study of blueprints and their interpretation, types of projection, symbols and abbreviations. This course is designed for students interested in print reading for the machine trades. 27 hours lecture and 27 hours laboratory. (Letter Grade, or Pass/No Pass option.)
36126 Last day to add: 06/23/18
LEC 06/18/18 07/26/18 06:00PM 07:20PM TWTH ATEC 119
LAB 06/18/18 07/26/18 07:30PM 08:50PM TWTH ATEC 119
Instructor: J Sommerville

ENE-60 Math for Engineering Technology 3 UNITS
Prerequisite: None.
Description: Math problems used in industry, including basic arithmetic, algebra, geometry and trigonometry.
35992 Last day to add: 06/22/18
WE 06/18/18 07/26/18 06:00PM 08:50PM MTH CACT 1
The above section is a web-enhanced class. Internet access is required.
Instructor: G Alcala
### ENGLISH

<table>
<thead>
<tr>
<th>ENGLISH 18/18H</th>
<th>A grade of C or better in ENG-1A/1AH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1A/1AH</td>
<td>Qualifying preparation score based on the ACCUPLACER® test and academic background; or A grade of C or better in ENG-50 or ENG-80 Approved alternative placement method (see Counseling for available options)</td>
</tr>
<tr>
<td>ENG 50</td>
<td>Qualifying preparation score based on the ACCUPLACER® test and academic background; or Successful completion of ENG-60B or ESL-55</td>
</tr>
<tr>
<td>ENG 80</td>
<td>There is no prerequisite; the course is open to all students.</td>
</tr>
<tr>
<td>ENG 70</td>
<td>There is no prerequisite; the course is open to all students. It is strongly recommended that students register in an appropriate composition course (ENG-70, 80, 50, or ENG-1A) during their first semester of enrollment. See &quot;Moving through English&quot; for more details.</td>
</tr>
</tbody>
</table>

#### 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)

**OL 06/18/18 07/26/18**  
**OLL 06/18/18 07/26/18**

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:** E Rossi

#### 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)

**OLL 06/18/18 07/26/18**

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:** D Samson

#### 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)

**OL 06/18/18 07/26/18**

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 Elizalde

#### ENG-1A English Composition 4 UNITS

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

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

**HYB 06/19/18 07/26/18 08:00AM 11:50AM CACT 1**

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-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)

**HYBO 06/19/18 07/26/18**

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:** 0 Samson
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: 06/22/18
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)
Last day to add: 06/22/18
Instructor: J Watson
**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)

35995  Last day to add: 06/22/18
WE  06/18/18  07/26/18  01:00PM  04:50PM  MTTH  IT 110
WEL  06/18/18  07/26/18  05:00PM  05:50PM  MTTH  IT 121

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

Instructor: D Mattson

**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)

36001  Last day to add: 06/22/18
HYB  06/18/18  07/25/18  02:00PM  05:50PM  MW  IT 206
HYBO  06/18/18  07/25/18  ON LINE
HYBLO  06/18/18  07/26/18  ON LINE

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

Instructor: D Reade

**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)

35998  Last day to add: 06/22/18
WE  06/18/18  07/26/18  04:00PM  07:50PM  MTTH  IT 122
WEL  06/18/18  07/26/18  08:00PM  08:50PM  MTTH  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: 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)

36006  Last day to add: 06/23/18
HYB  06/19/18  07/26/18  09:00AM  12:50PM  TTH  ST 108
HYBO  06/19/18  07/26/18  ON LINE
HYBLO  06/19/18  07/26/18  ON LINE

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

Instructor: J Dobson
ENG-1B  Critical Thinking and Writing  4 UNITS
Prerequisite: ENG-1A or ENG-1AH
Description: Building on the rhetorical skills learned in ENG 1A, students will analyze, interpret, and synthesize diverse texts in order to construct well-supported academic arguments and literary analyses. Composition totaling a minimum of 10,000 words serves to correlate writing and reading activities. Classroom activities integrate with writing lab activities. Student may not receive credit for both ENG-1B and 1BH. 72 hours lecture and 18 hours laboratory. (TBA option)

Instructor: E Wagner

ENG-1B  Critical Thinking and Writing  4 UNITS
Prerequisite: ENG-1A or ENG-1AH
Description: Building on the rhetorical skills learned in ENG 1A, students will analyze, interpret, and synthesize diverse texts in order to construct well-supported academic arguments and literary analyses. Composition totaling a minimum of 10,000 words serves to correlate writing and reading activities. Classroom activities integrate with writing lab activities. Student may not receive credit for both ENG-1B and 1BH. 72 hours lecture and 18 hours laboratory. (TBA option)

Instructor: E Wagner

ENG-4  Writing Tutor Training  2 UNITS
Prerequisite: ENG-1A or ENG-1AH
Description: Designed to prepare students to become peer tutors in the Writing Center. Participants learn specific tutoring techniques and discuss problems, questions, and challenges in tutoring writing. Tutors develop student-centered, non-intrusive tutoring skills that avoid appropriating the text (i.e., becoming a proofreader, editor, or co-author). Topics include theory and practice of tutoring writing, including writing as a process, interpersonal communication techniques, cross-cultural tutoring, group learning, and computer programs applicable to writing instruction. 27 hours lecture and 27 hours laboratory. (TBA option)

Instructor: M Pelle

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.)

Instructor: C Brownell

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.)

Instructor: A Moore
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite(s)</th>
<th>Description</th>
<th>Instructor</th>
<th>Meeting Dates</th>
<th>Days</th>
<th>Time</th>
<th>Location</th>
<th>Last day to add</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-50</td>
<td><strong>Basic English Composition</strong></td>
<td>4</td>
<td>ENG-70 or ENG-60B or ESL-55</td>
<td>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.)</td>
<td>J Hill</td>
<td>06/18/18 - 07/26/18</td>
<td>MTTH</td>
<td>12:00PM - 04:50PM</td>
<td>IT 106</td>
<td>06/22/18</td>
</tr>
<tr>
<td>ENG-70</td>
<td><strong>Composition Fundamentals</strong></td>
<td>4</td>
<td>None</td>
<td>Emphasizes the acquisition of higher level reading skills needed for college level courses, expansion of receptive and productive vocabulary, further development of library skills, and comprehension of both adapted and authentic reading selections of varying lengths. 72 hours lecture and 18 hours laboratory. (Degree credit course. Letter grade, or Pass/No Pass option.)</td>
<td>M Shirinian</td>
<td>06/18/18 - 07/26/18</td>
<td>MTTH</td>
<td>08:00AM - 11:50AM</td>
<td>ST 108</td>
<td>06/22/18</td>
</tr>
<tr>
<td>GAM-21</td>
<td><strong>History of Video Games</strong></td>
<td>3</td>
<td>None</td>
<td>A comprehensive study of the evolution of video games throughout history including arcade games, console games, computer games, and mobile applications.</td>
<td>J Coverdale</td>
<td>06/18/18 - 07/26/18</td>
<td>MTTH</td>
<td>08:00AM - 11:50AM</td>
<td>ATEC 118</td>
<td>06/22/18</td>
</tr>
<tr>
<td>GAM-35</td>
<td><strong>Intro Computer Game Dev</strong></td>
<td>3</td>
<td>None</td>
<td>An introduction to computer gaming. Students will explore the job market, career paths and business aspects of gaming professions.</td>
<td>J Finley</td>
<td>06/18/18 - 07/26/18</td>
<td>OL</td>
<td>06:30PM - 09:20PM</td>
<td>ONLINE</td>
<td>06/23/18</td>
</tr>
</tbody>
</table>
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)

36018  Last day to add: 06/23/18
OL  06/18/18  07/26/18  ON LINE
OLL  06/18/18  07/26/18  ON LINE

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

GAM-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)

36121  Last day to add: 06/22/18
WE  06/18/18  07/26/18  08:20AM  10:30AM  MTWTH  IT 125
WEL  06/18/18  07/26/18  10:40AM  12:50PM  MTWTH  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: T Dunipace

GEOGRAPHY

GEG-1  Physical Geography  3 UNITS
Prerequisite: None
Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

36020  Last day to add: 06/22/18
LEC  06/18/18  07/26/18  01:30PM  03:40PM  MTWTH  ATEC 205
Instructor: R Christov

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

36023  Last day to add: 06/22/18
LAB  06/18/18  07/26/18  10:20AM  12:30PM  MTWTH  ATEC 205
Instructor: J Justice

36024  Last day to add: 06/22/18
LEC  06/18/18  07/26/18  08:00AM  10:10AM  MTWTH  IT 208
Instructor: A Palomo-Lemus

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.

36024  Last day to add: 06/22/18
LEC  06/18/18  07/26/18  08:00AM  10:10AM  MTWTH  IT 208
Instructor: A Palomo-Lemus
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.
36025  Last day to add: 06/22/17
LEC  06/18/18 07/26/18 05:30PM 07:40PM MTWTH IT 125
Instructor: G Curasi

HEALTH SCIENCE

HES-1  Health Science (same As Bio-35)  3 UNITS
Prerequisite: None
Description: A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.
36026  Last day to add: 06/22/18
WE  06/18/18 07/26/18 08:00AM 10:10AM MTWTH STEM 201
The above section is a web-enhanced class. Internet access is required.
Instructor: V Genian

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.
36027  Last day to add: 06/22/18
WE  06/18/18 07/26/18 06:00PM 08:10PM MTWTH WEQ W7
The above section is a web-enhanced class. Internet access is required.
Instructor: F Almasarweh

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 and HIS-6H. 54 hours lecture.
36029  Last day to add: 06/22/18
WE  06/18/18 07/26/18 10:35AM 12:45PM MTWTH 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.
36030  Last day to add: 06/23/18
OL  06/18/18 07/26/18 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.
36032  Last day to add: 06/23/18
OL  06/18/18 07/26/18 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.
36034  Last day to add: 06/23/18
OL  06/18/18 07/26/18 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.
36033  Last day to add: 06/22/18
WE 06/18/18 07/26/18 08:00AM 10:10AM MTWTH HUM 103
The above section is a web-enhanced class. Internet access is required.
Instructor: H Vion

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.
36039  Last day to add: 06/22/18
LEC 06/18/18 07/26/18 10:35AM 12:45PM MTWTH WEQ W3
Instructor: V Genian

KIN-10  Introduction to Kinesiology  3 UNITS
Prerequisite: None.
Description: The study of human movement, sub-disciplines in Kinesiology and career opportunities.
36037  Last day to add: 06/22/18
LEC 06/18/18 07/26/18 01:30PM 03:40PM MTWTH WEQ W3
Instructor: D Bednarczyk

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 $23.00 will be charged to the student and are not covered by BOGW. Drop deadlines for non-payment apply.
36038  Last day to add: 06/22/18
LEC 06/18/18 07/26/18 08:00AM 10:10AM MTWTH WEQ W3
Instructor: S Witmer

KIN-A46  Hatha Yoga, Beginning  1 UNIT
Prerequisite: None.
Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.
36040  Last day to add: 06/22/18
LAB 06/18/18 07/26/18 10:35AM 12:45PM MTWTH WEQ W2
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.)
36041  Last day to add: 06/22/18
LAB 06/18/18 07/26/18 10:35AM 12:45PM MTWTH SOCR 1
Instructor: E Camperell

HUMANITIES

HUM-10  World Religions  3 UNITS
Prerequisite: None
Advisory: REA-83 and qualification for English 1A
Description: Thought and concepts of the major religious systems, including primal religions, extinct religions, Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, Shintoism, Zoroastrianism, Judaism, Christianity, and Islam. Students may not receive credit for both HUM-10 and HUM-10H. 54 hours lecture.
36035  Last day to add: 06/23/18
WE 06/19/18 07/26/18 02:00PM 05:05PM MTWTH IT 108
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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.)
36036  Last day to add: 06/23/18
WE 06/19/18 07/24/18 05:30PM 08:20PM T IT 209
The above section is a web-enhanced class. Internet access is required.
Instructor: A Jimenez
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.)

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.)

KIN-A77A Jogging for Fitness, Beginning 1 UNIT
Prerequisite: None
Description: This course is designed to introduce basic fitness concepts to improve each individual's physical health and general well being. 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 through jogging. 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.)

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.)

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.

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)

MANUFACTURING TECHNOLOGY

MAN-55 Occupational Safety and Health Administration (OSHA) Standards for General Industry 2 UNITS
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. 48 hours lecture. (Letter Grade, or Pass/No Pass option.)
MAN-61  Robotics for Manufacturing  3 UNITS
Prerequisite: None
Advisory: CIS-1A
Description: Robotics for the Supply Chain and Manufacturing industries. This course presents the programming and control of robotic systems typically used in industry. 36 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option.)
36127  Last day to add: 06/22/18
WE  06/18/18  07/26/18  06:00PM  07:20PM  MTWTH  IT 124
WEL  06/18/18  07/26/18  07:35PM  09:45PM  MTWTH  IT 124
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

MAN-68  Fundamentals of Maintenance  4 UNITS
Prerequisite: None.
Description: Foundational skills training for maintenance technicians. Introduction to the basic maintenance and repair methods used in the facility maintenance profession. Preventative maintenance methods and strategies are explored as students receive training in the use of electronic measuring devices, meters, and scopes. Topics include activities focused upon basic electrical skills, basic pneumatics and hydraulics, basic mechanical skills, basic plumbing, basic principles of refrigeration, refrigerants, refrigeration components, preventative and corrective maintenance. Completion of this basic course will prepare students for a job as a Facility Maintenance Technician. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)
36128  Last day to add: 06/22/18
LEC  06/18/18  07/26/18  12:45PM  03:35PM  MTWTH  IT 124
LAB  06/18/18  07/26/18  03:40PM  05:50PM  MTWTH  IT 124
Instructor: T Childers

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.)
36091  Last day to add: 06/22/18
WE  06/18/18  07/26/18  08:10AM  11:50AM  MTTH  IT 202
WEL  06/18/18  07/26/18  12:00PM  12:50PM  MTTH  IT 202
The above section is a web-enhanced class. Internet access is required.
Instructor: B 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)
36090  Last day to add: 06/22/18
WE  06/18/18  07/26/18  12:00PM-03:50PM  MTH  ATEC 210
WEL  06/18/18  07/26/18  04:00PM-04:50PM  MTH  ATEC 210
The above section is a web-enhanced class. Internet access is required.
Instructor: J Tousignant

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.)
36099  Last day to add: 06/22/18
WE  06/18/18  07/25/18  11:00AM-02:50PM  MTWTH  WEX WS
The above section is a web-enhanced class. Internet access is required.
Instructor: I Lopez

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.)
36082  Last day to add: 06/22/18
WE  06/18/18  07/25/18  10:20AM-01:25PM  MTWTH  STEM 201
The above section is a web-enhanced class. Internet access is required.
Instructor: S Hashemi

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.)
36083  Last day to add: 06/22/18
WE  06/18/18  07/25/18  02:00PM-05:00PM  MTWTH  ATEC 204
The above section is a web-enhanced class. Internet access is required.
Instructor: T Malouf

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.)
36089  Last day to add: 06/23/18
OL  06/18/18  07/26/18  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: J Mulari

MAT-12  Statistics  4 UNITS
Prerequisite: MAT-35
Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)
36113  Last day to add: 06/23/18
OL  06/18/18  07/26/18  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: J Mulari

MAT-12  Statistics  4 UNITS
Prerequisite: MAT-35
Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)
36089  Last day to add: 06/23/18
OL  06/18/18  07/26/18  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: J Mulari

MAT-12  Statistics  4 UNITS
Prerequisite: MAT-35
Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)
36089  Last day to add: 06/23/18
OL  06/18/18  07/26/18  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: J Mulari

MAT-12  Statistics  4 UNITS
Prerequisite: MAT-35
Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)
36089  Last day to add: 06/23/18
OL  06/18/18  07/26/18  ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
Instructor: J Mulari
MAT-12 Statistics 4 UNITS
Prerequisite: MAT-35
Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

Instructor: D Wood

Last day to add: 06/22/18
WE 06/18/18 07/25/18 11:00AM 02:05PM MTWTH LIBR 108

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

Instructor: N Alvarado

MAT-12 Statistics 4 UNITS
Prerequisite: MAT-35
Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

Instructor: A Robles

Last day to add: 06/22/18
WE 06/18/18 07/25/18 02:30PM 05:35PM MTWTH LIBR 108

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.)

Instructor: J Burke

Last day to add: 06/22/18
WE 06/18/18 07/25/18 08:00AM 11:05AM MTWTH ATEC 211

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

Instructor: P Singh

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)

Instructor: E Hwang

Last day to add: 06/22/18
WE 06/18/18 07/25/18 11:00AM 02:05PM MTWTH LIBR 108

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

Instructor: S Park

MAT-35 Intermediate Algebra 5 UNITS
Prerequisite: MAT-52
Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

Instructor: D Wood

Last day to add: 06/22/18
WE 06/18/18 07/25/18 06:00PM 09:05PM MTWTH LIBR 108

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)
Instructor: J DeGuzman

MAT-36 Trigonometry  4 UNITS
Prerequisite: MAT-35 and MAT-53
Description: The study of trigonometric functions, their inverses and their graphs; identities and proofs related to trigonometric expressions; solving trigonometric equations; solving right triangles; solving oblique triangles using the Law of Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors. 72 hours lecture. (Letter Grade or Pass/No Pass option)
Instructor: Y Lam

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

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.
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.  
**36103**  
*Last day to add: 06/22/18*  
**WE 06/18/18 07/26/18 02:30PM - 04:40PM MTWTH ATEC 211***  
The above section is a web-enhanced class. Internet access is 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.)  
**36104**  
*Last day to add: 06/22/18*  
**WE 06/18/18 07/26/18 08:00AM - 11:35AM MTWTH ATEC 204***  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** F Gelenchi

**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.)  
**36129**  
*Last day to add: 06/24/18*  
**LEC 06/18/18 08/09/18 08:30AM - 11:05AM MTWTH CRC CRCUL3***  
The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.  
**Instructor:** A Hassanzadah

**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.)  
**36130**  
*Last day to add: 06/24/18*  
**LEC 06/18/18 08/09/18 12:30PM - 03:05PM MTWTH CRC CRCL609A***  
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 Johnson

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**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.  
**36049**  
*Last day to add: 06/23/18*  
**OL 06/18/18 07/26/18 ON LINE***  
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.  
**36048**  
*Last day to add: 06/22/18*  
**WE 06/18/18 07/26/18 10:35AM - 12:45PM MTWTH ATEC 114***  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** Staff

**MUS-25 Jazz Appreciation**  
3 UNITS  
Prerequisite: None  
Description: A comprehensive study of jazz from its origins to the present day. Study will be centered on influential composers, instrumentalists, vocalists and arrangers. There will also be an introduction to, and study of, musical elements such as instrumentation, lyrics, form, rhythm and harmony. 54 hours lecture.  
**36108**  
*Last day to add: 06/23/18*  
**OL 06/18/18 07/26/18 ON LINE***  
The above section is an online class. Computer with Internet access required.  
**Instructor:** K Kamerin
MUS-87  Applied Music Training         1 UNIT
Prerequisite: None
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 54 hours 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. 54 hours laboratory.
36133  Last day to add: 06/30/18
WEL  06/18/18  07/26/18  THTR 204
The above section is a web-enhanced class and has a 54-hour laboratory requirement to be
arranged. Internet access is required. This course offers private study in voice, piano, guitar,
bass or drums. An audition is required. Students must either come to THTR 204 at 1 pm
on Monday, June 18th or must contact the instructor to schedule an audition. 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 a
minimum of 6.5 hours each week. For additional information, please contact the instructor;
Kim.Kamerin@norcocollege.edu or 951-738-7703.
Instructor: K Kamerin

MUS-92  Basic Piano                      0.50 UNITS
Prerequisite: None.
Description: Group piano lessons for beginners. Emphasis on simple melodies
and basic chords using standard musical notation and lead sheets.
36052  Last day to add: 06/23/18
LAB  06/19/18  07/26/18  08:40AM  10:00AM  TWTH  HUM 101
Instructor: Staff

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.
36053  Last day to add: 06/23/18
HYB  06/19/18  07/26/18  08:00AM  10:10AM  TTH  IT 117
HYBO  06/19/18  07/26/18  ON LINE
The above section is a hybrid class. Computer with Internet access required.
Instructor: J Gill

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.
36054  Last day to add: 06/23/18
LEC  06/19/18  07/26/18  08:00AM  10:10AM  MTWTH  HUM 201
Instructor: P Tran

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.
36055  Last day to add: 06/22/18
LEC  06/18/18  07/26/18  10:35AM  12:45PM  MTWTH  HUM 201
Instructor: P Tran

POLITICAL SCIENCE

POL-1  American Politics                   3 UNITS
Prerequisite: None
Advisory: REA-83 and qualification for ENG-1A
Description: An introduction to United States and California government and
politics, including their constitutions, political institutions and processes, and
political actors. Examination of political behavior, political issues, and public
policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours
lecture.
36056  Last day to add: 06/23/18
OL  06/18/18  07/26/18  O N L I N E
The above section is an online class. Computer with Internet access required.
Instructor: Staff

POL-1  American Politics                   3 UNITS
Prerequisite: None
Advisory: REA-83 and qualification for ENG-1A
Description: An introduction to United States and California government and
politics, including their constitutions, political institutions and processes, and
political actors. Examination of political behavior, political issues, and public
policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours
lecture.
36059  Last day to add: 06/23/18
OL  06/18/18  07/26/18  O N L I N E
The above section is an online class. Computer with Internet access required.
Instructor: Staff
**POL-1 American Politics 3 UNITS**
Prerequisite: None
Advisory: REA-83 and qualification for ENG-1A
Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.
36058 Last day to add: 06/22/18
WE 06/18/18 07/26/18 10:35AM 12:45PM MTWTH IT 109
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

**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.
36064 Last day to add: 06/23/18
OL 06/18/18 07/26/18 ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: Staff

**POL-1 American Politics 3 UNITS**
Prerequisite: None
Advisory: REA-83 and qualification for ENG-1A
Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.
36057 Last day to add: 06/22/18
WE 06/18/18 07/26/18 01:00PM 03:10PM MTWTH WEQ W7
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

**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.
36062 Last day to add: 06/22/18
WE 06/18/18 07/26/18 08:00AM 10:10AM MTWTH IT 109
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

**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.
36065 Last day to add: 06/22/18
WE 06/18/18 07/26/18 01:00PM 03:10PM MTWTH IT 209
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

**PSY-4 Introduction to World Politics 3 UNITS**
Prerequisite: None
Advisory: Qualification for ENG-1A and REA-83
Description: A study of the theories, paradigms, and issues of global politics. Special attention is given to the role of the United States in the international community, the role of international organizations and international political economy. 54 hours lecture.
36060 Last day to add: 06/22/18
WE 06/18/18 07/26/18 06:00PM 08:50PM MTWTH ATEC 204
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

**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.
36068 Last day to add: 06/23/18
OL 06/18/18 07/26/18 ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: Staff
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. 

36069  Last day to add: 06/23/18  
OL  06/18/18  07/26/18  ON LINE  
The above section is an online class. Computer with Internet access required. 
Instructor: Staff

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. 

36066  Last day to add: 06/22/18  
WE  06/18/18  07/26/18  10:35AM  12:45PM  MTWTH  WEQ W7  
The above section is a web-enhanced class. Internet access is required.  
Instructor: Staff

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. 

36067  Last day to add: 06/22/18  
WE  06/18/18  07/26/18  06:00PM  08:50PM  MTTH  WEQ W4  
The above section is a web-enhanced class. Internet access is required.  
Instructor: Staff

RLE-81  Real Estate Practices  3 UNITS  
Prerequisite: None  
Description: Covers basic laws and principles of California real estate, terminology and daily operations in a real estate brokerage. Includes listing, prospecting, advertising, financing, sales techniques, escrow and ethics. Applies toward state’s educational requirements for the brokers examination. 54 hours lecture. 

36072  Last day to add: 06/23/18  
OL  06/18/18  07/26/18  ON LINE  
The above section is an online class. Computer with Internet access required. 
Instructor: T Wagner

RLE-82  Legal Aspects of Real Estate  3 UNITS  
Prerequisite: None  
Description: California real estate law, including rights incident to property ownership and management, agency, contracts, and application to real estate transfer, conveyance, probate proceedings, trust deeds, and foreclosure, as well as recent legislation governing real estate transactions. Applies toward educational requirement of brokers examination. 54 hours lecture. 

36073  Last day to add: 06/23/18  
OL  06/18/18  07/26/18  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. 

36074  Last day to add: 06/22/18  
LEC  06/18/18  07/26/18  08:00AM  10:10AM  MTWTH  HUM 111  
Instructor: K Andacheh
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
36075  Last day to add: 06/22/18
LEC  06/18/18  07/26/18  10:35AM  12:45PM  MTWTH  HUM 111
Instructor: J Hill

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.
36076  Last day to add: 06/22/18
LEC  06/18/18  07/26/18  06:00PM  08:50PM  MTTH  IT 101
Instructor: J 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
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 1B. 90 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)
36077  Last day to add: 06/22/18
HYB  06/18/18  07/25/18  02:00PM  05:30PM  MW  LIBR 121
HYBO  06/18/18  07/25/18  ON LINE
HYBL  06/18/18  07/25/18  05:40PM  06:55PM  MW  LIBR 121
The above section is a hybrid class. Computer with Internet access required.
Instructor: N Guillen

SPA-2  Spanish 2  5 UNITS
Prerequisite: SPA-1B or SPA-1 or SPA-1H, or qualifying placement level on the Spanish assessment test or the equivalent
Description: Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the beginning level. This course includes an expanded discussion of Hispanic culture and daily life. Students may not receive credit for both SPA-2 and SPA-2H. 90 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)
36078  Last day to add: 06/22/18
LEC  06/18/18  07/25/18  08:00AM  12:50PM  MTTH  LIBR 121
LAB  06/18/18  07/25/18  01:00PM  01:50PM  MTWTH  LIBR 121
Instructor: D Hitchcock

THEATER ARTS

THE-3  Introduction to the Theater  3 UNITS
Prerequisite: None
Description: A comprehensive study of theatrical styles and forms with units in directing, acting, designing, technical theater, playwriting, and genres, to acquaint the student with the diverse nature of theater leading to an appreciation and understanding of theater as a separate and distinctive art form. 54 hours lecture.
36079  Last day to add: 06/23/18
OL  06/18/18  07/26/18  ON LINE
The above section is an online class. Computer with Internet access required.
Instructor: W Stevens

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 • WRKWD - Work Experience Online

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NC
STUDENT SPOTLIGHT

I am a veteran of the United States Navy and served two tours overseas before leaving the military. I always wanted to attend college and chose Norco College for its welcoming of veterans as well as services and resources.

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

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

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

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

Kinesiology
School of STEM
U.S. Navy Veteran

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CALVIN Klein Gloria