Summer 2018
Classes begin June 18

Norco College

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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.)  
35946  
OL 06/18/18 07/26/18  
Last day to add: 06/23/18

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

**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.  
35947  
OL 06/18/18 07/26/18  
Last day to add: 06/23/18

**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.

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](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. See www.opencampus.com.
Instructor: A Gray

ANT-1  Physical Anthropology  3 UNITS
Prerequisite: None
Description: An introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT-1 and ANT-1H. 54 hours lecture.
35949  Last day to add: 06/22/18
WE  06/18/18  07/26/18  01:00PM  03:10PM  MTWTH  HUM 111
The above section is a web-enhanced class. Internet access is required.
Instructor: Staff

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

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. See www.opencampus.com.
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  08:00AM  10:10AM  MTWTH  WEQW4
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.)
35951  Last day to add: 06/22/18
WE  06/18/18  07/26/18  06:15PM  09:05PM  MTTH  HUM 111
The above section is a web-enhanced class. Internet access is required.
Instructor: A Mejia

ART-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.

**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)

**35956**  
**Last day to add:** 06/22/18

**WEL 06/18/18 07/26/18 08:00AM 10:10AM MTWTH IT 101**  
**WEL 06/18/18 07/26/18 10:20AM 12:30PM MTWTH IT 128**

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

### 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)

**35957**  
**Last day to add:** 06/22/18

**WEL 06/18/18 07/26/18 08:00AM 10:10AM MTWTH IT 101**  
**WEL 06/18/18 07/26/18 10:20AM 12:30PM MTWTH IT 128**

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

### 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)

**35958**  
**Last day to add:** 06/22/18

**WEL 06/18/18 07/26/18 08:00AM 10:10AM MTWTH IT 101**  
**WEL 06/18/18 07/26/18 10:20AM 12:30PM MTWTH ST 203**

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

### 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)

**35959**  
**Last day to add:** 06/22/18

**WEL 06/18/18 07/26/18 08:00AM 10:10AM MTWTH THTR 101**  
**WEL 06/18/18 07/26/18 10:20AM 12:30PM MTWTH ST 203**

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

### 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)

**35961**  
**Last day to add:** 06/22/18

**WEL 06/18/18 07/26/18 08:00AM 10:10AM MTWTH THTR 101**  
**WEL 06/18/18 07/26/18 01:30PM 03:40PM MTWTH ST 203**

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

### 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

**35961**  
**Last day to add:** 06/22/18

**LEC 06/18/18 07/26/18 08:00AM 10:10AM MTWTH ST 207**  
**LAB 06/18/18 07/26/18 10:20AM 12:30PM MTWTH ST 207**

**Instructor:** J Drainville
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.  
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 Santhoshkumar

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)  
35962  Last day to add: 06/23/18  
HYB  06/19/18  07/26/18  08:00AM  10:15AM  TTH  HUM 102  
HYBO  06/19/18  07/26/18  ON LINE  
The above section is a hybrid class. Computer with Internet access required.  
Instructor: V Mixson

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  
activity, statistics, trade and cash discounts, markups and markdowns,  
perishables, 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  
HYBO  06/18/18  07/25/18  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  ON LINE  
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  ON LINE  
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
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.)

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.

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.

COMPUTER INFORMATION SYSTEMS

CIS-1A Intro to Comp Info Sys 3 UNITS
Prerequisite: None.
Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer-based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

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.

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.

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.

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.

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.

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.

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.

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.

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.
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)
36118 Last day to add: 06/22/18
WE 06/18/18 07/26/18 01:00PM 03:50PM MTH IT 125
WEL 06/18/18 07/26/18 04:00PM 04:50PM MTH 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: 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.
36125 Last day to add: LEC TBA
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)
36119 Last day to add: 06/22/18
WE 06/18/18 07/26/18 09:30AM 12:20PM MTH ATEC 118
WEL 06/18/18 07/26/18 08:30AM 09:20AM MTH ATEC 118
The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.
Instructor: G Marquez

CIS-98A Introduction to Excel 1.50 UNITS
Prerequisite: None
Description: An introduction to electronic spreadsheets using Excel. (Same as CAT-98A)
35975 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.open-campus.com. All hours, including the 18-hour laboratory requirement, are completed online.
Instructor: C McConnell-Freeman

COMMUNICATION STUDIES

COM-1 Public Speaking 3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
35979 Last day to add: 06/22/18
HYB 06/18/18 07/26/18 08:00AM 10:10AM MTWTH LIBR 109
The above section is a web-enhanced class. Internet access is 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.)
35978 Last day to add: 06/22/18
HYBO 06/18/18 07/26/18 10:35AM 12:45PM MW LIBR 109
The above section is a hybrid class. Computer with Internet access required.
Instructor: J Muto

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.)
35976 Last day to add: 06/22/18
WEL 06/18/18 07/26/18 01:00PM 03:10PM MTWTH LIBR 109
The above section is a web-enhanced class. Internet access is required.
Instructor: B Rihan

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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: L Tat

COM-9  Interpersonal Communication  3 UNITS
Prerequisite: None
Advisory: COM-51 and qualification for ENG-1A
Description: Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)
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 ON LINE
The above section is an online class. Computer with Internet access required. See www.opencampus.com.
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 aggregate economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.
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 06/27/18 01:00PM 04:15PM MT TH ATEC 119
LAB 06/18/18 07/26/18 04:25PM 05:40PM MT TH ATEC 119
Instructor: M Adams

ENGINEERING

ENE-60  Math for Engineering Technology  3 UNITS
Prerequisite: None
Description: Math problems used in industry, including basic arithmetic, algebra, geometry and trigonometry.
54 hours lecture and 54 hours laboratory.(Letter Grade, or Pass/No Pass option.)
35992  Last day to add: 06/22/18
LAB 06/18/18 07/26/18 07:30PM 08:50PM MT TH CACT 1
OL 06/18/18 07/26/18 07:30PM 08:50PM MT TH CACT 1
Instructor: J Sommerville

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

<table>
<thead>
<tr>
<th>PLACEMENT GUIDELINES</th>
<th>ENGLISH COMPOSITION COURSES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ENGLISH 18/18H</strong></td>
<td>• A grade of C or better in ENG-1A/1AH</td>
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<tr>
<td><strong>ENGLISH 1A/1AH</strong></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><strong>ENGLISH 50</strong></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><strong>ENGLISH 80</strong></td>
<td>• There is no prerequisite; the course is open to all students.</td>
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<tr>
<td><strong>ENGLISH 70</strong></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 “Moving through English” for more details.</td>
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<thead>
<tr>
<th>ENG-1A English Composition</th>
<th>4 UNITS</th>
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<tbody>
<tr>
<td><strong>Prerequisite:</strong> ENG-50 or ENG-80 or qualifying placement level&lt;br&gt;Description: Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)</td>
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<td><strong>Last day to add:</strong> 06/23/18</td>
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<tr>
<td><strong>OL</strong> 06/18/18 07/26/18 ON LINE&lt;br&gt;<strong>OLL</strong> 06/18/18 07/26/18 ON LINE&lt;br&gt;The above section is an online class. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>. All hours, including the 18-hour laboratory requirement, are completed online.</td>
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<tr>
<td><strong>Instructor:</strong> S Hanson</td>
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<td><strong>HYB</strong> 06/19/18 07/26/18 08:00AM 11:50AM MTTH IT 111&lt;br&gt;<strong>HYBO</strong> 06/19/18 07/26/18 12:00PM 12:50PM MTTH IT 121&lt;br&gt;The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.</td>
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<td><strong>HYB</strong> 06/19/18 07/26/18 08:00AM 11:50AM TH CACT 1&lt;br&gt;<strong>HYBO</strong> 06/19/18 07/26/18 ON LINE&lt;br&gt;<strong>HYBLO</strong> 06/19/18 07/26/18 ON LINE&lt;br&gt;The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. See <a href="http://www.opencampus.com">www.opencampus.com</a>.</td>
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<td><strong>Instructor:</strong> C Liang</td>
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<td><strong>Instructor:</strong> E Rossi</td>
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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

35996

WE  06/18/18  07/26/18  09:00AM  12:50PM  MTH  IT 123
WEL  06/18/18  07/26/18  08:00AM  08:50AM  MTH  IT 121

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

Instructor: 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

35999

WE  06/18/18  07/26/18  11:00AM  02:50PM  MTH  IT 122
WEL  06/18/18  07/26/18  03:00PM  03:50PM  MTH  IT 121

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

Instructor: J Watson
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Last day to add</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG-1A</td>
<td>English Composition</td>
<td>4</td>
<td>ENG-50 or ENG-80 or qualifying placement level</td>
<td>Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)</td>
<td>06/22/18</td>
</tr>
<tr>
<td>ENG-1B</td>
<td>Critical Thinking and Writing</td>
<td>4</td>
<td>ENG-1A or ENG-1AH</td>
<td>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)</td>
<td>06/23/18</td>
</tr>
</tbody>
</table>
ENG-1B Critical Thinking and Writing 4 UNITS
Prerequisite: ENG-1A or ENG-1AH
Description: Building on the rhetorical skills learned in ENG 1A, students will analyze, interpret, and synthesize diverse texts in order to construct well-supported academic arguments and literary analyses. Composition totaling a minimum of 10,000 words serves to correlate writing and reading activities. Classroom activities integrate with writing lab activities. Student may not receive credit for both ENG-1B and 1BH. 72 hours lecture and 18 hours laboratory. (TBA option)

36003 Last day to add: 06/22/18
WE 06/18/18 07/26/18 10:00AM 01:50PM MTH IT 206
WEL 06/18/18 07/26/18 02:00PM 02:50PM MTH IT 121

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

36004 Last day to add: 06/22/18
WE 06/18/18 07/26/18 04:00PM 07:50PM MTH IT 111
WEL 06/18/18 07/26/18 08:00PM 08:50PM MTH IT 121

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

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)

36008 Last day to add: 06/22/18
WE 06/18/18 07/26/18 10:30AM 11:45AM MTH IT 208
WEL 06/18/18 07/26/18 12:00PM 01:30PM MTH IT 208

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: N Capps

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.)

36010 Last day to add: 06/22/18
HYB 06/18/18 07/25/18 09:00AM 12:50PM MW ST 108
HYBO 06/18/18 07/25/18 ON LINE
HYBLO 06/18/18 07/25/18 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: R Hitch

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.)

36009 Last day to add: 06/22/18
WE 06/18/18 07/26/18 10:00AM 01:50PM MTH IT 108
WEL 06/18/18 07/26/18 02:00PM 02:50PM MTH IT 106

The above section is a hybrid class and has an 18-hour laboratory requirement to be completed online. Computer with Internet access required. Designated laboratory hours are included in the meeting times for this class.
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.)

36131 Last day to add: 06/23/18
HYB 06/18/18 07/26/18 10:30AM 02:20PM THH HUM 102
HYBO 06/18/18 07/26/18 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: A Moore
ENGL-70 Composition Fundamentals 4 UNITS
Prerequisite: None.
Description: Develops skills in grammar, usage, composition, and the writing process.
Instructor: R Marsh

ENGL-73 High Intermediate Reading and Vocabulary 4 UNITS
Prerequisite: None
Advisory: ESL-72 and ESL-53 or ESL-54 or ESL-55 or qualifying placement level on a state-approved placement instrument
Description: 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.)
Instructor: M Shirinian

GAME DEVELOPMENT

GAM-21 History of Video Games 3 UNITS
Prerequisite: None.
Description: A comprehensive study of the evolution of video games throughout history including arcade games, console games, computer games and mobile applications.
Instructor: J Coverdale

GAM-35 Intro Computer Game Dev 3 UNITS
Prerequisite: None.
Description: An introduction to computer gaming. Students will explore the job market, career paths and business aspects of gaming professions.
Instructor: J Finley
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Prerequisite</th>
<th>Description</th>
<th>Last day to add</th>
<th>Credits</th>
<th>Instructor</th>
<th>Meeting Times</th>
<th>Location</th>
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<tbody>
<tr>
<td>GAM-50</td>
<td>Introduction to Game Programming</td>
<td>3</td>
<td>None</td>
<td>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)</td>
<td>06/23/18</td>
<td></td>
<td>J Finley</td>
<td>LEC (TBA)</td>
<td>IT 125</td>
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<tr>
<td>GAM-81</td>
<td>3D Modelling and Texturing</td>
<td>4</td>
<td>None</td>
<td>This course introduces the concepts of 3D Modelling 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)</td>
<td>06/22/18</td>
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<td>R Christov</td>
<td>WE 06/18 07/26/18 08:20AM 10:30AM MTWTH</td>
<td>IT 125</td>
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<tr>
<td>GEG-1</td>
<td>Physical Geography</td>
<td>3</td>
<td>None</td>
<td>This course introduces the concepts of 3D Modelling 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)</td>
<td>06/22/18</td>
<td></td>
<td>R Christov</td>
<td>LEC (TBA)</td>
<td>IT 125</td>
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<td>GUI-47</td>
<td>Career Exploration and Life Planning</td>
<td>3</td>
<td>None</td>
<td>This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. No previous computer programming experience is required. (Same as CIS-50)</td>
<td>06/22/18</td>
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<td>S Justice</td>
<td>LEC (TBA)</td>
<td>IT 208</td>
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Hybrid Lecture (HYB): A combination of online and in-person instruction. 
Hybrid Online Lecture (HYBLO): An online course with scheduled in-person meetings. 
Hybrid Online Lab (HYBLO): An online lab with scheduled in-person meetings. 
Hybrid - Web Enhanced Lecture (HYBL): A hybrid course that includes web-enhanced lectures. 
Hybrid - Web Enhanced Lab (HYBLO): A hybrid course that includes web-enhanced labs. 
Hybrid Work Experience (HYBWO): A hybrid course that includes work experience. 
Web Enhanced Lecture (WEL): An online course that includes scheduled in-person meetings. 
Web Enhanced Lab (WEL): An online lab that includes scheduled in-person meetings. 
Work Experience Lecture (WRK): A course that includes work experience. 
Work Experience Lab (WRK): A course that includes work experience labs. 
Work Experience Online (WRKO): A course that includes work experience that is offered online. 

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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.

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

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.

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.

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.

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.

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

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.

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.

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.

HIS-6  Political and Social History of the United States  3 UNITS
Prerequisite: None
Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and HIS-6H. 54 hours lecture.
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.
36031  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

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: V Genian
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.)
36042  Last day to add: 06/22/18
LAB 06/18/18 07/26/18 03:50PM 06:00PM MTWTH SOC1
Instructor: F Melgarejo

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
gearied 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.)
36116  Last day to add: 06/22/18
LAB 06/18/18 07/26/18 08:00AM 10:40AM MTWTH W8
Instructor: E Camperell

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.)
36044  Last day to add: 06/22/18
LAB 06/18/18 07/26/18 01:30PM 03:40PM MTWTH W8
Instructor: F Melgarejo

KIN-A81B  Physical Fitness, Intermediate  1 UNIT
Prerequisite: None.
Description: Provides concepts for total fitness and develops personalized
Exercise programs for cardiovascular endurance, strength and flexibility.
36045  Last day to add: 06/22/18
LAB 06/18/18 07/26/18 10:35AM 12:45PM MTWTH W8
Instructor: S Witmer

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.)
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

Moving through Math

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 MTWTH IT 202
WEL  06/18/18  07/26/18  12:00PM  12:50PM MTWTH IT 202
The above section is a web-enhanced class. Internet access is required.
Instructor: B Johnson

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

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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)
Instructor: J Mulari

MAT-11  Calculus II  4 UNITS
Prerequisite: MAT-10 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)
Instructor: T Malouf

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.)
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)
Instructor: S Hashemi

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 Mulari

MAT-11  College Algebra  4 UNITS
Prerequisite: MAT-35 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)
Instructor: J Thomas

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 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.)

36085 Last day to add: 06/22/18
WE 06/18/18 07/25/18 07:45AM 10:50AM 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.)

36084 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-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.)

36086 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: D Wood

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.)

36087 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: A Robles

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)

36092 Last day to add: 06/22/18
WE 06/18/18 07/26/18 10:30AM 01:35PM MTWTH WEQ W4
The above section is a web-enhanced class. Internet access is required.
Instructor: E Hwang

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)

36096 Last day to add: 06/22/18
WE 06/18/18 07/26/18 10:30AM 02:05PM MTWTH WEQ W4
The above section is a web-enhanced class. Internet access is required.
Instructor: S Park

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

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

36093 Last day to add: 06/22/18
HYB 06/18/18 07/26/18 01:00PM 03:50PM MTH IT 202
HYBO 06/18/18 07/26/18

The above section is a hybrid class. Computer with Internet access required.
Instructor: B Johnson

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

36094 Last day to add: 06/22/18
WE 06/18/18 07/26/18 02:15PM 05:50PM MTWTH WEQ WS

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

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

36095 Last day to add: 06/22/18
WE 06/18/18 07/26/18 06:00PM 09:35PM MTWTH WEQ WS

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

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

36098 Last day to add: 06/22/18
WE 06/18/18 07/25/18 01:35PM 04:40PM MTWTH STEM 201

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

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)

36097 Last day to add: 06/22/18
WE 06/18/18 07/25/18 05:30PM 08:35PM MTWTH IT 202

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

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

36100 Last day to add: 06/22/18
WE 06/18/18 07/25/18 07:45AM 10:40AM MTWTH WEQ WS

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

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

36101 Last day to add: 06/22/18
WE 06/18/18 07/25/18 01:30PM 04:35PM MTWTH IT 109

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

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.

36102 Last day to add: 06/22/18
WE 06/18/18 07/26/18 11:15AM 01:25PM MTWTH ATEC 211

The above section is a web-enhanced class. Internet access is required.
Instructor: J Higley
MAT-53  College Geometry  3 UNITS
Prerequisite: MAT-52
Description: A course covering the study of plane geometry and three dimensional figures. These topics include angles, triangles, quadrilaterals, circles and solids, their formulas for measuring such figures, including perimeter, area and volume. Students create proofs of geometric concepts using postulates and theorems associated with geometric objects and their characteristics. 54 hours lecture.
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

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. See www.opencampus.com.
Instructor: K Kamerin

MUS-19  Music 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. See www.opencampus.com.
Instructor: K Kamerin
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 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.
36059 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

PHILOLOGY

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

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
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  

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 WEQW7  
The above section is a web-enhanced class. Internet access is required.  
Instructor: Staff  

POL-4  Introduction to World Politics  3 UNITS  
Prerequisite: None  
Advisory: Qualification for ENG-1A and REA-83  
Description: A study of the theories, paradigms, and issues of global politics. Special attention is given to the role of the United States in the international community, the role of international organizations and international political economy. 54 hours lecture.  
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  

PSYCHOLOGY  

PSY-1  General Psychology  3 UNITS  
Prerequisite: None.  
Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.  
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  

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-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.  
36061  Last day to add: 06/22/18  
WE 06/18/18 07/26/18 06:00PM 08:50PM MTWTH ATEC 114  
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-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  

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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.
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.
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.
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/indez.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 level 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  02:00PM  05:30PM  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-1H 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  MTTH  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  02:00PM  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 • WRX - Work Experience Lecture • WRKH - Hybrid Work Experience • WRKO - Work Experience Online

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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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