



Winter/Spring  
2019

# NORCO COLLEGE



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Winter classes: January 2 - February 7

Spring classes: February 11 - June 7

For important information regarding fees, payment deadlines, financial aid and registration please refer to our Information Pages. Para información en español, por favor refiérase a la sección 17-23 de nuestra Páginas de Información

## MISSION STATEMENT

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

ABBR	BUILDING	ABBR	BUILDING
A TEC	Applied Technology	SSV	Student Services
CA CT	CA CT Center	ST	Science and Technology
LI BR	Wilfred J. Airey Library	ST EM	STEM Center
HUM	Humanities	TH TR	Theater Building
IT	Industrial Technology	WE Q	West End Quad
JFK	John F. Kennedy Middle College High School		

**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>.

## ACCOUNTING

### ACC-1A Principles of Accounting I 3 UNITS

**Prerequisite:** None

**Advisory:** BUS-20

Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture.

**30214 Last day to add: 01/06/19**

WE 01/02/19 02/07/19 10:45AM 01:05PM MTWTH ATEC 210

**Instructor:** D White

### ACC-62 Payroll Accounting 3 UNITS

**Prerequisite:** ACC-1A or ACC-55

Description: Studies accounting for payroll and examines aspects of the Social Security Act, California Unemployment Insurance Act and the California Workers Compensation Insurance Act. Payroll principles applied through the use of microcomputers. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**30213 Last day to add: 01/07/19**

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

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

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

**Instructor:** P Worsham

### ACC-66 Non-Profit and Governmental Accounting 3 UNITS

**Prerequisite:** ACC-1A

**Advisory:** BUS-20

Description: A study of the principles and practices of non-profit and governmental entities fund accounting. Topics include accounting concepts, types and structure of funds and accounts, application of generally accepted accounting principles to non-profit and governmental organizations. 54 hours lecture.

**30000 Last day to add: 01/07/19**

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

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

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

**Instructor:** P Worsham

## ADMINISTRATION OF JUSTICE

### ADJ-1 Introduction to the Administration of Justice 3 UNITS

**Prerequisite:** None

Description: The history and philosophy of administration of justice in America; recapitulation of the system; identifying the various subsystems, role expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. 54 hours lecture.

**30001 Last day to add: 01/06/19**

WE 01/02/19 02/07/19 06:10PM 09:15PM TWTH IT 202

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

**Instructor:** M Reid



## 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.

**30003** Last day to add: 01/07/19

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

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

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

**Instructor:** 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.

**30004** Last day to add: 01/07/19

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

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

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

**Instructor:** 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.

**30002** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:25AM 12:45PM MTWTH HUM 111

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

**Instructor:** G Loffler

### ANT-1L Physical Anthropology Laboratory 1 UNIT

**Prerequisite:** None

**Corequisite:** Concurrent enrollment in or prior completion of ANT-1 or 1H required.  
Description: Laboratory course exploring case studies and problems of human genetics, human variation, the identification of fossils through examination of fossil casts, human evolution, the study of the human skeleton, observation of primate behavior and structures utilizing the scientific method. 54 hours laboratory.

**30198** Last day to add: 01/06/19

WEL 01/02/19 02/07/19 12:50PM 03:10PM MTWTH HUM 111

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

**Instructor:** G Loffler

### ANT-2 Cultural Anthropology 3 UNITS

**Prerequisite:** None

Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.

**30199** Last day to add: 01/07/19

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

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

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

**Instructor:** A Gray

### ANT-2 Cultural Anthropology 3 UNITS

**Prerequisite:** None

Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.

**30005** Last day to add: 01/06/19

WE 01/02/19 02/07/19 06:00PM 09:05PM TWTH HUM 111

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

**Instructor:** A Mejia

## ART

### ART-6 Art Appreciation 3 UNITS

**Prerequisite:** None

Advisory: ENG-1A

Description: An introductory course for the non-art major. The creative process and the diversity of style, technique and media, evident in various art forms throughout history and culture. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**30009** Last day to add: 01/07/19

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

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

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

**Instructor:** 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.)

**30210** Last day to add: 01/06/19

WE 01/02/19 02/07/19 12:50PM 03:10PM MTWTH ATEC 114

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

**Instructor:** D Campuzano



## 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.)

**30006** Last day to add: 01/06/19

WE	01/02/19	02/07/19	08:00AM	09:25AM	MTWTH	A TEC 209
WEL	01/02/19	02/07/19	09:30AM	12:40PM	MTWTH	A TEC 209

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

**Instructor:** Q Bemiller

## ART-17 Beginning Drawing

3 UNITS

**Prerequisite:** None

Description: An introduction to the fundamentals of drawing in a variety of media. The exploration of the elements of art, the principles of composition, perspective and the development of observational, motor and creative skills. Emphasis will be on black and white media. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**30007** Last day to add: 01/06/19

WE	01/02/19	02/07/19	12:45PM	02:10PM	MTWTH	A TEC 209
WEL	01/02/19	02/07/19	02:20PM	05:30PM	MTWTH	A TEC 209

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

**Instructor:** B May

# 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)

**30010** Last day to add: 01/06/19

WE	01/02/19	02/07/19	08:00AM	10:20AM	MTWTH	IT 117
WEL	01/02/19	02/07/19	10:30AM	12:50PM	MTWTH	IT 128

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

**Instructor:** J Drainville

## 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)

**30012** Last day to add: 01/06/19

WE	01/02/19	02/07/19	08:00AM	10:20AM	MTWTH	IT 117
WEL	01/02/19	02/07/19	01:15PM	03:35PM	MTWTH	IT 128

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

**Instructor:** J Drainville

## 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)

**30013** Last day to add: 01/06/19

WE	01/02/19	02/07/19	10:25AM	12:45PM	MTWTH	IT 117
WEL	01/02/19	02/07/19	04:15PM	06:35PM	MTWTH	ST 203

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

**Instructor:** F Almasarweh

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**30014** Last day to add: 01/06/19

WE	01/02/19	02/07/19	10:25AM	12:45PM	MTWTH	IT 117
WEL	01/02/19	02/07/19	01:15PM	03:35PM	MTWTH	ST 203

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

**Instructor:** F Almasarweh

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**30232** Last day to add: 01/06/19

WE	01/02/19	02/07/19	10:30AM	12:50PM	MTWTH	ST 211
WEL	01/02/19	02/07/19	08:10AM	10:20AM	MTWTH	ST 203

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

**Instructor:** I McGuire

## 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)

**30234** Last day to add: 01/06/19

WE	01/02/19	02/07/19	10:30AM	12:50PM	MTWTH	WEQ W6B
WEL	01/02/19	02/07/19	07:45AM	10:05AM	MTWTH	IT 128

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

**Instructor:** V Sharma



## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**30011** Last day to add: 01/06/19

WE 01/02/19 02/07/19 05:00PM 07:20PM MTWTH IT 117

WEL 01/02/19 02/07/19 07:30PM 09:50PM MTWTH IT 128

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

**Instructor:** B Moore

## 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)

**30015** Last day to add: 01/06/19

WE 01/02/19 02/07/19 05:00PM 07:20PM MTWTH IT 117

WEL 01/02/19 02/07/19 07:30PM 09:50PM MTWTH ST 203

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

**Instructor:** B Moore

## BIO-45 Survey of Human Anatomy and Physiology (formerly Amy-10) 3 UNITS

**Prerequisite:** None

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

**30197** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:25AM 12:45PM MTWTH IT 101

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

**Instructor:** G Johansen

## BIO-50A Anatomy and Physiology I (formerly Amy-2a) 4 UNITS

**Prerequisite:** BIO-1 or BIO-1H or BIO-4 or BIO-55 or BIO-60 or BIO-60H

Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

**30196** Last day to add: 01/06/19

WE 01/02/19 02/07/19 08:00AM 09:25AM MTWTH ST 207

WEL 01/02/19 02/07/19 09:35AM 02:25PM MTWTH ST 207

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

**Instructor:** P Campo

## BIO-50A Anatomy and Physiology I (formerly Amy-2a) 4 UNITS

**Prerequisite:** BIO-1 or BIO-1H or BIO-4 or BIO-55 or BIO-60 or BIO-60H

Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

**30195** Last day to add: 01/06/19

WE 01/02/19 02/07/19 03:00PM 04:25PM MTWTH ST 207

WEL 01/02/19 02/07/19 04:35PM 09:25PM MTWTH ST 207

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

**Instructor:** S Standen

## BUSINESS ADMINISTRATION

### BUS-3 Computer Applications for Business

3 UNITS

**Prerequisite:** None

Description: This course introduces a suite of computer applications to students preparing to enter business, and office professions. Individuals who are already established in these professions may also benefit from skills emphasized which include: use of basic operating system functions, file management, word processing, spreadsheets, database management, and presentation graphics. 54 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

**30022** Last day to add: 01/07/19

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

OLL 01/02/19 02/07/19 ON LINE

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

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

**Instructor:** Staff

### 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)

**30016** Last day to add: 01/07/19

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

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

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

**Instructor:** G Zwart

### BUS-10 Introduction to Business

3 UNITS

**Prerequisite:** None.

Description: Scope, function and organization of contemporary business; fundamentals, concepts, principles, and current practices in the major areas of business activity with an integrated global perspective. 54 hours lecture. (Letter Grade only)

**30017** Last day to add: 01/06/19

WE 01/02/19 02/07/19 08:00AM 10:20AM MTWTH ATEC 204

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

**Instructor:** D White



## BUS-18A Business Law I

3 UNITS

**Prerequisite:** None

Description: The social and practical basis of the law. Covers the legal and ethical environment of business, contracts, agency and employment, and the law of sales. 54 hours lecture.

**30018** Last day to add: 01/07/19  
OL 01/02/19 02/07/19 ON LINE

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

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

**Instructor:** T Wagner

## BUS-18A Business Law I

3 UNITS

**Prerequisite:** None

Description: The social and practical basis of the law. Covers the legal and ethical environment of business, contracts, agency and employment, and the law of sales. 54 hours lecture.

**30019** Last day to add: 01/07/19  
OL 01/02/19 02/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** T Wagner

## BUS-20 Business Mathematics

3 UNITS

**Prerequisite:** None

Description: An introduction to quantitative approaches for solving common business problems using general mathematics and first degree equations. Includes the development and solution of problems in the areas of business statistics, trade and cash discounts, markups and markdowns, perishables, payroll, taxes, simple interest, promissory notes, compound interest, present and future value, annuities and sinking funds, installment buying and credit cards, home ownership costs, insurance, stocks and bonds, mutual funds, financial reports, depreciation, inventory, and overhead. 54 hours lecture.

**30020** Last day to add: 01/07/19  
OL 01/02/19 02/07/19 ON LINE

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

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

**Instructor:** P Worsham

## BUS-24 Business Communication

3 UNITS

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

Description: Applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing and revising business documents using word processing software for written documents and presentation graphics software to create and deliver professional-level oral reports. Course is designed for students who have college-level writing skills. 54 hours lecture.

**30021** Last day to add: 01/06/19  
WE 01/02/19 02/07/19 08:00AM 10:20AM MTWTH IT 109

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

**30023** Last day to add: 01/07/19  
OL 01/02/19 02/07/19 ON LINE

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

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

**Instructor:** G Zwart

## COMPUTER APPLICATIONS/OFFICE

### CAT-3 Computer Applications for Business

3 UNITS

**Prerequisite:** None

Description: This course introduces a suite of computer applications to students preparing to enter business, and office professions. Individuals who are already established in these professions may also benefit from skills emphasized which include: use of basic operating system functions, file management, word processing, spreadsheets, database management, and presentation graphics. 54 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

**30025** Last day to add: 01/07/19  
OL 01/02/19 02/07/19 ON LINE  
OLL 01/02/19 02/07/19 ON LINE

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

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

**Instructor:** C McConnell-Freeman

## 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.)

**30026** Last day to add: 01/06/19  
WE 01/02/19 02/07/19 08:00AM 10:20AM MTWTH IT 101  
WEL 01/02/19 02/07/19 10:30AM 12:50PM MTWTH HUM 204

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

**Instructor:** W Cui

### CHE-2A Introductory Chemistry, 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.)

**30027** Last day to add: 01/06/19  
WE 01/02/19 02/07/19 08:00AM 10:20AM MTWTH IT 101  
WEL 01/02/19 02/07/19 01:15PM 03:35PM MTWTH HUM 204

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

**Instructor:** W Cui



## CHE-2A Introductory Chemistry, I

4 UNITS

**Prerequisite:** MAT-52

Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**30028** Last day to add: 01/06/19

WE	01/02/19	02/07/19	05:00PM	07:20PM	MTWTH	HUM 204
WEL	01/02/19	02/07/19	07:30PM	09:50PM	MTWTH	HUM 204

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

**Instructor:** C Lugo

## COMPUTER INFORMATION SYSTEMS

### CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**30030** Last day to add: 01/07/19

OL	01/02/19	02/07/19	ON LINE
OLL	01/02/19	02/07/19	ON LINE

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

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

**Instructor:** C Brotherton

### CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**30031** Last day to add: 01/07/19

OL	01/02/19	02/07/19	ON LINE
OLL	01/02/19	02/07/19	ON LINE

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

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

**Instructor:** C Brotherton

### CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**30033** Last day to add: 01/04/19

HYB	01/04/19	02/01/19	08:00AM	01:10PM	F	ATEC 118
HYBO	01/04/19	02/01/19	ON LINE			ON LINE
HYBL	01/04/19	02/01/19	01:20PM	02:50PM	F	ATEC 118
HYBLO	01/04/19	02/01/19	ON LINE			ON LINE

The above section is a hybrid class and has an 18-hour laboratory requirement to be completed face to face and online. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** M Chapman

### CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**30032** Last day to add: 01/06/19

WE	01/02/19	02/07/19	11:15AM	02:20PM	TWTH	IT 125
WEL	01/02/19	02/07/19	02:30PM	03:20PM	TWTH	IT 125

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

**Instructor:** J Coverdale

### CIS-3 Computer Applications for Business

3 UNITS

**Prerequisite:** None.

Description: Introductory to intermediate concepts covering Windows operating system, file management, and various aspects of typical office applications for business and office professionals. (Same as BUS/CAT-3)

**30034** Last day to add: 01/07/19

OL	01/02/19	02/07/19	ON LINE
OLL	01/02/19	02/07/19	ON LINE

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

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

**Instructor:** C McConnell-Freeman

### CIS-5 Programming Concepts and Methodology I: C++

4 UNITS

**Prerequisite:** None

Advisory: CIS-1A

Description: Introduction to the discipline of computer science incorporating problem definitions, algorithm development, and structured programming logic for business, scientific and mathematical applications. The C++ language will be used for programming problems. 54 hours lecture and 54 hours laboratory.

**30036** Last day to add: 01/07/19

OL	01/02/19	02/07/19	ON LINE
OLL	01/02/19	02/07/19	ON LINE

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

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

**Instructor:** T Pryor

### CIS-17A Programming Concepts and Methodology II: C++

3 UNITS

**Prerequisite:** CIS/CSC-5

Description: The application of software engineering techniques to the design and development of large programs; data abstraction, structures, and associated algorithms. A comprehensive study of the syntax and semantics of the C++ language and the methodology of Object-Oriented program development. 54 hours lecture and 18 hours laboratory. (TBA option)

**30029** Last day to add: 01/06/19

WE	01/02/19	02/07/19	01:00PM	04:05PM	TWTH	STEM 115
WEL	01/02/19	02/07/19	04:15PM	05:05PM	TWTH	STEM 115

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

**Instructor:** A Rainey



## 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)

**30037** Last day to add: 01/06/19

WE 01/02/19 02/07/19 06:00PM 09:05PM TWTH IT 127

WEL 01/02/19 02/07/19 09:10PM 10:00PM TWTH IT 127

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

**Instructor:** R Bourbeau

## 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.)

**30041** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:30AM 12:45PM MTWTH LIBR 110

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

**Instructor:** A Tufano

### COM-1 Public Speaking

3 UNITS

**Prerequisite:** None

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

Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**30039** Last day to add: 01/04/19

HYB 01/02/19 02/07/19 12:50PM 03:05PM MW LIBR 110

HYBO 01/02/19 02/07/19 ON LINE

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

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

**Instructor:** L Tat

### COM-1 Public Speaking

3 UNITS

**Prerequisite:** None

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

Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**30038** Last day to add: 01/07/19

HYB 01/02/19 02/07/19 03:15PM 05:30PM TTH LIBR 110

HYBO 01/02/19 02/07/19 ON LINE

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

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

**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.)

**30040** Last day to add: 01/07/19

HYB 01/02/19 02/07/19 06:00PM 08:15PM TTH LIBR 110

HYBO 01/02/19 02/07/19 ON LINE

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

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

**Instructor:** J Muto

### COM-9 Interpersonal Communication

3 UNITS

**Prerequisite:** None

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

Description: Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**30044** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 08:00AM 10:15AM MTWTH IT 211

**Instructor:** M Lewis





## 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.)

**30043** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 10:25AM 12:40PM MTWTH IT 211

**Instructor:** M Lewis

## 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.)

**30045** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 12:50PM 03:05PM MTWTH IT 211

**Instructor:** M Lewis

## 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.)

**30046** Last day to add: 01/05/19

WE 01/02/19 02/06/19 06:00PM 09:10PM MTW IT 111

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

**Instructor:** B Rihan

## COM-12 Intercultural Communication

3 UNITS

**Prerequisite:** None

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

**Description:** This course provides an introduction to the factors affecting intercultural communication. This course focuses on the communication behaviors and values common to all cultures and ethnic groups, as well as the differences that may insulate and divide people. Students will examine influences on the communication process, including aspects such as stereotyping, gender roles, values, beliefs, verbal and nonverbal communication patterns, conflict styles and much more. Students will learn to overcome the communication problems that may result when members of other cultures and/or ethnic groups communicate by evaluating their own intercultural communication patterns and learning skills to increase their effectiveness. 54 hours lecture. (Letter Grade or Pass/No Pass option)

**30042** Last day to add: 01/07/19

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

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

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

**Instructor:** A Olaerts

## 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.

**30050** Last day to add: 01/07/19

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

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

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

**Instructor:** S Burnett

### EAR-20 Child Growth and Development

3 UNITS

**Prerequisite:** None

**Description:** This introductory course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. Outside observations required. 54 hours lecture.

**30049** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:25AM 12:45PM MTWTH IT 209

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

**Instructor:** M Adams

### EAR-26 Health, Safety and Nutrition

3 UNITS

**Prerequisite:** None.

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

**30052** Last day to add: 01/07/19

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

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

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

**Instructor:** B Zentgraf

### EAR-28 Principles and Practices of Teaching Young Children

3 UNITS

**Prerequisite:** None

**Description:** An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all young children. Includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics, and professional identity. 54 hours lecture.

**30053** Last day to add: 01/07/19

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

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

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

**Instructor:** S Sumiati



## EAR-33 Infant and Toddler Development 3 UNITS

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

**Prerequisite:** None.

**30203** Last day to add: 01/06/19

WE 01/02/19 02/07/19 08:00AM 10:20AM MTWTH IT 209

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

**Instructor:** Staff

## EAR-42 Child, Family, and Community 3 UNITS

**Prerequisite:** None.

Description: An examination of the developing child in a societal context focusing on child, family, and the community with an emphasis on historical and socio-cultural factors.

**30054** Last day to add: 01/07/19

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

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

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

**Instructor:** T Oliver

## ECONOMICS

### ECO-7 Principles of Macroeconomics 3 UNITS

**Prerequisite:** MAT-52

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

Description: Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes aggregative economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.

**30055** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:25AM 12:45PM MTWTH IT 109

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

**Instructor:** P Boelman

## ELECTRONICS

### ELE-11 DC Electronics 4 UNITS

**Prerequisite:** None

Description: Basic DC electrical theory, devices, circuits and applications including resistors, capacitors, coils and motors.

**30056** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 05:50PM 08:40PM MTWTH STEM 302

LAB 01/02/19 02/07/19 08:50PM 09:55PM MTWTH STEM 302

**Instructor:** G Graham

### ELE-13 AC Electronics 4 UNITS

**Prerequisite:** ELE-10 or ELE-11 or ELE-21 or ELE-23

Description: Alternating Current (AC) theory, devices, circuits and applications--will include: resistance, reactance, impedance, capacitance, inductance, Ohm's Law, Power Law, sinusoidal waveforms, Peak, Peak-to-Peak and Root-Mean-Square (RMS) measurements, using an oscilloscope, signal generator and meter; applications of series and parallel networks of resistors, capacitors, inductors, transformers and other AC components; J-Factors and phasor-vector solutions to both simple and complex AC circuits; transient reactor analysis; phase-shift, phase-angle, and power-factor calculations and measurements. 54 hours lecture and 54 hours laboratory.

**30057** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 01:30PM 04:20PM MTWTH ATEC 119

LAB 01/02/19 02/07/19 04:30PM 05:35PM MTWTH ATEC 119

**Instructor:** G Graham

### ELE-27 Technical Communications 3 UNITS

**Prerequisite:** None

Description: Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.

**30058** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 06:30PM 09:35PM TWTH CACT 2

**Instructor:** A Johnson

### ELE-76 Low Voltage Wiring/Alternate Energy (same As Ele-76)3 UNITS

**Prerequisite:** None.

Description: Electrician training for institutional, educational and government needs, plus specialty areas not generally available from others.

**30059** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 06:00PM 07:25PM MTWTH ATEC 119

LAB 01/02/19 02/07/19 07:30PM 09:50PM MTWTH ATEC 119

**Instructor:** K Rad

## ENGINEERING

### ENE-27 Technical Communications 3 UNITS

**Prerequisite:** None

Description: Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.

**30060** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 06:30PM 09:35PM TWTH CACT 2

**Instructor:** A Johnson



## ENE-42 SolidWorks I

3 UNITS

**Prerequisite:** None

**Advisory:** PC computer experience recommended

Description: This course is designed to introduce the student to three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 90 hours of laboratory.

**30061** Last day to add: 01/06/19

LEC	01/02/19	02/07/19	05:00PM	06:05PM	MTWTH	IT 125
LAB	01/02/19	02/07/19	06:15PM	09:50PM	MTWTH	IT 125

**Instructor:** F Mirzaei

## ENE-51 Blueprint Reading

2 UNITS

**Prerequisite:** None

Description: A beginning course in the study of blueprints and their interpretation, types of projection, symbols and abbreviations. This course is designed for students interested in print reading for the machine trades. 27 hours lecture and 27 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**30062** Last day to add: 01/06/19

LEC	01/02/19	02/07/19	06:00PM	07:20PM	TWTH	ATEC 109
LAB	01/02/19	02/07/19	07:30PM	08:50PM	TWTH	ATEC 109

**Instructor:** C Keissieh

## ENGLISH

### PLACEMENT GUIDELINES ENGLISH COMPOSITION COURSES

#### ENGLISH 1B/1BH

- A grade of C or better in ENG-1A/1AH

#### ENGLISH 1A/1AH

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

#### ENGLISH 50

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

## ENG-1A English Composition

4 UNITS

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

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

**30069** Last day to add: 01/07/19

OL	01/02/19	02/07/19	ON LINE
OLL	01/02/19	02/07/19	ON LINE

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

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

**Instructor:** M Bader

## ENG-1A English Composition

4 UNITS

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

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

**30067** Last day to add: 01/06/19

WE	01/02/19	02/07/19	08:00AM	12:05PM	TWTH	IT 108
WEL	01/02/19	02/07/19	07:00AM	07:50AM	TWTH	IT 121

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

**Instructor:** D Mattson

## ENG-1A English Composition

4 UNITS

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

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

**30075** Last day to add: 01/07/19

HYB	01/02/19	02/07/19	08:00AM	11:00AM	TTH	IT 111
HYBO	01/02/19	02/07/19				ON LINE
HYBLO	01/02/19	02/07/19				ON LINE

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

**Instructor:** R Hitch

## ENG-1A English Composition

4 UNITS

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

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

**30068** Last day to add: 01/06/19

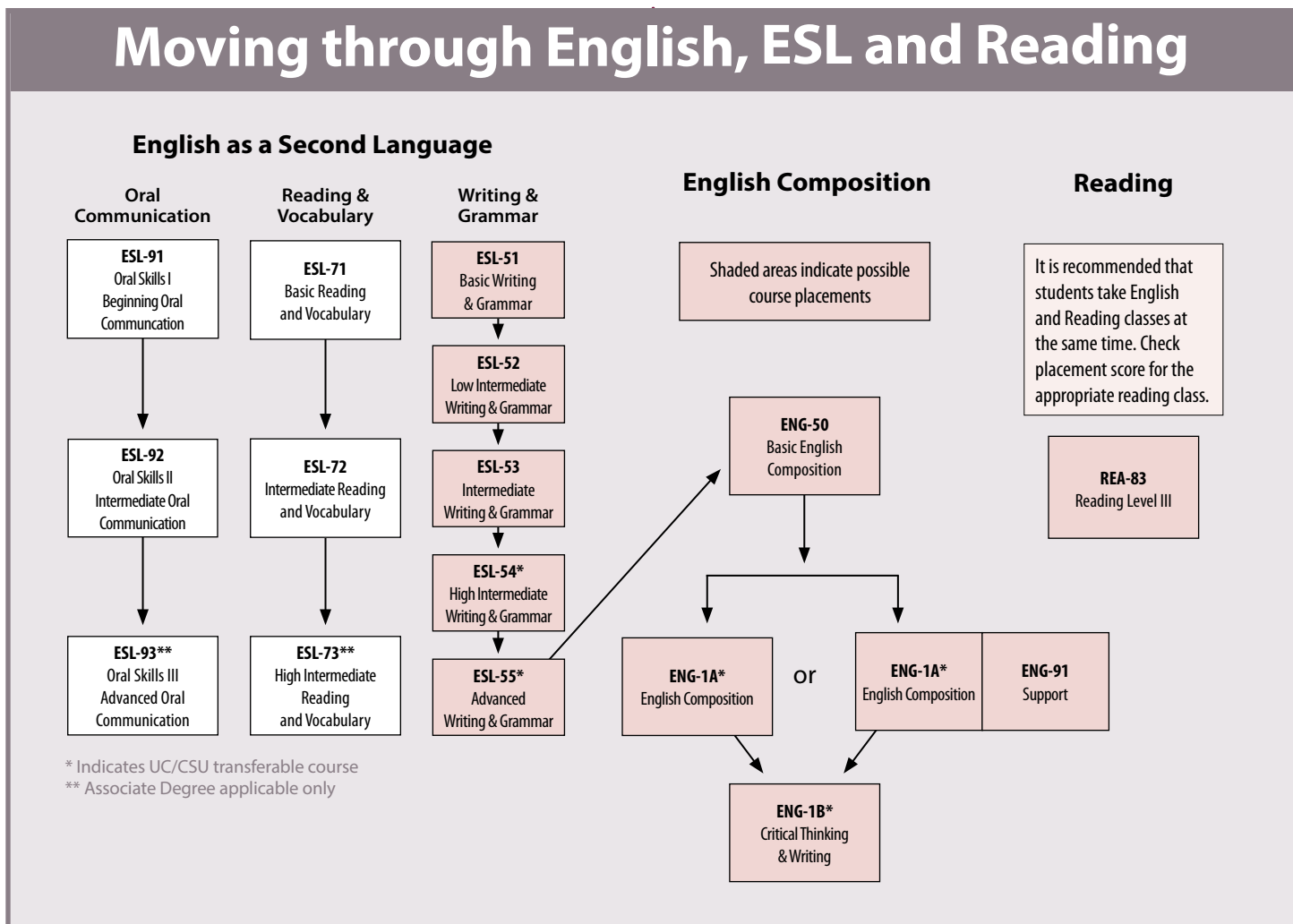
WE	01/02/19	02/07/19	09:00AM	12:50PM	TWTH	IT 210
WEL	01/02/19	02/07/19	01:00PM	01:50PM	TWTH	IT 127

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

**Instructor:** A Elizalde



## Moving through English, ESL and Reading



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

### ENG-1A English Composition

4 UNITS

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

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

**30066** Last day to add: 01/06/19

WE	01/02/19	02/07/19	10:00AM	02:05PM	TWTH	HUM 102
WEL	01/02/19	02/07/19	09:00AM	09:50AM	TWTH	IT 121

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

**Instructor:** S Hanson

### ENG-1A English Composition

4 UNITS

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

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

**30064** Last day to add: 01/04/19

HYB	01/02/19	02/07/19	10:30AM	12:40PM	MW	STEM 302
HYBO	01/02/19	02/07/19				ON LINE
HYBLO	01/02/19	02/07/19				ON LINE

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

**Instructor:** J Dobson



## ENG-1A English Composition

4 UNITS

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

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

**30074** Last day to add: 01/04/19

HYB 01/02/19 02/07/19 02:30PM 05:20PM MW IT 111

HYBO 01/02/19 02/07/19 ON LINE

HYBLO 01/02/19 02/07/19 ON LINE

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

**Instructor:** C Liang

## ENG-1A English Composition

4 UNITS

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

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

**30073** Last day to add: 01/07/19

HYB 01/02/19 02/07/19 02:30PM 05:20PM TTH IT 111

HYBO 01/02/19 02/07/19 ON LINE

HYBLO 01/02/19 02/07/19 ON LINE

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

**Instructor:** J Hill

## ENG-1A English Composition

4 UNITS

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

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

**30065** Last day to add: 01/06/19

WE 01/02/19 02/07/19 03:45PM 07:50PM TWTH IT 108

WEL 01/02/19 02/07/19 08:00PM 08:50PM TWTH IT 121

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

**Instructor:** M Pelle

## ENG-1A English Composition

4 UNITS

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

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

**30077** Last day to add: 01/06/19

WE 01/02/19 02/07/19 04:00PM 08:05PM TWTH IT 208

WEL 01/02/19 02/07/19 03:00PM 03:50PM TWTH IT 127

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

**Instructor:** J Watson

## ENG-1A English Composition

4 UNITS

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

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

**30070** Last day to add: 01/06/19

WE 01/02/19 02/07/19 04:40PM 08:45PM TWTH IT 211

WEL 01/02/19 02/07/19 03:40PM 04:30PM TWTH IT 125

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

**Instructor:** J Reed

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**30084** Last day to add: 01/07/19

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

OLL 01/02/19 02/07/19 ON LINE

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

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

**Instructor:** A Moore



## 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)

**30085** Last day to add: 01/07/19

OL	01/02/19	02/07/19				ON LINE
OLL	01/02/19	02/07/19				ON LINE

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

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

**Instructor:** S Camacho

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**30086** Last day to add: 01/06/19

WE	01/02/19	02/07/19	07:45AM	11:50AM	TWTH	IT 208
WEL	01/02/19	02/07/19	12:00PM	12:50PM	TWTH	IT 127

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

**Instructor:** R Marsh

## 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)

**30081** Last day to add: 01/06/19

WE	01/02/19	02/07/19	08:45AM	12:50PM	TWTH	IT 123
WEL	01/02/19	02/07/19	01:00PM	01:50PM	TWTH	IT 121

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

**Instructor:** D Mills

## 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)

**30082** Last day to add: 01/07/19

HYB	01/02/19	02/07/19	10:00AM	12:00PM	TTH	IT 110
HYBO	01/02/19	02/07/19				ON LINE
HYBLO	01/02/19	02/07/19				ON LINE

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

**Instructor:** L Nelson

## 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)

**30080** Last day to add: 01/06/19

WE	01/02/19	02/07/19	11:00AM	03:05PM	TWTH	IT 206
WEL	01/02/19	02/07/19	10:00AM	10:50AM	TWTH	IT 121

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

**Instructor:** N Capps

## 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)

**30083** Last day to add: 01/07/19

HYB	01/02/19	02/07/19	01:00PM	03:00PM	TTH	IT 110
HYBO	01/02/19	02/07/19				ON LINE
HYBLO	01/02/19	02/07/19				ON LINE

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

**Instructor:** L Nelson

## 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)

**30079** Last day to add: 01/06/19

WE	01/02/19	02/07/19	01:45PM	05:50PM	TWTH	IT 209
WEL	01/02/19	02/07/19	06:00PM	06:50PM	TWTH	IT 121

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

**Instructor:** R Marsh



## ENGLISH AS A SECOND LANGUAGE

### ESL ONE-STOP DATES (NEW ESL STUDENTS MUST TAKE PTESL TEST)

We offer "ESL One-Stop" sessions. You can take the ESL placement test and attend a college orientation on the same date. An ESL One-Stop session takes about 3 ½ hours.

To schedule an appointment:

1. Go to [www.norcocollege.edu](http://www.norcocollege.edu)
2. Click on Students
3. Under Enrollment Services, click on Assessment
4. Click on Make An Appointment
5. Scroll to bottom of the page and click on Make An Appointment to access the online appointment system.

Complete testing schedules are available at:

[www.norcocollege.edu/services/assessment/Pages/MakeAnAppointment.aspx](http://www.norcocollege.edu/services/assessment/Pages/MakeAnAppointment.aspx)

Please check the calendar and then use the online appointment system to choose your appointment. If you need to speak with someone directly, please call the Norco College Assessment Center at (951) 372-7176.

### ESL-71 Basic Reading and Vocabulary 4 UNITS

**Prerequisite:** None

**Advisory:** ESL-51 or ESL-52 or qualifying placement level on a state-approved placement instrument

**Description:** Emphasizes the acquisition of simple reading skills, expansion of receptive and productive vocabulary, developing dictionary skills, and comprehension of short, adapted reading selections. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

**30202 Last day to add: 01/06/19**

LEC	01/02/19	02/07/19	08:00AM	11:50AM	TWTH	IT 106
LAB	01/02/19	02/07/19	12:00PM	12:50PM	TWTH	IT 106

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

**Instructor:** M Shirinian

## FRENCH

### ENROLLMENT GUIDELINES FRENCH

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

### FRE-1 French 1 5 UNITS

**Prerequisite:** None.

**Description:** Develops basic skills in understanding, reading, communicating and writing in French.

**30209 Last day to add: 01/06/19**

HYB	01/02/19	02/07/19	02:55PM	05:00PM	TWTH	LIBR 121
HYBO	01/02/19	02/07/19				ON LINE
HYBL	01/02/19	02/07/19	02:00PM	02:50PM	TWTH	LIBR 121

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

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

**Instructor:** L Smith

## GAME DEVELOPMENT

### GAM-32 Designing Game Characters 3 UNITS

**Prerequisite:** GAM-81

**Description:** This course provides continued study of the application of 3D modeling techniques within a computer animation environment. Students will learn the production work flow of Maya to ZBrush and complete game ready character models. The focus will be on character design principles, low poly modeling and the creation of both bipedal and quadruped characters. 54 hours lecture and 18 hours laboratory. (TBA option)

**30235 Last day to add: 01/06/19**

WE	01/02/19	02/07/19	08:00AM	10:05AM	MTWTH	ATEC 118
WEL	01/02/19	02/07/19	10:15AM	10:55AM	MTWTH	ATEC 118

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

**Instructor:** G Marquez

### GAM-35 Introduction to Computer Game Development 3 UNITS

**Prerequisite:** None.

**Description:** An introduction to computer gaming. Students will explore the job market, career paths and business aspects of gaming professions.

**30101 Last day to add: 01/07/19**

OL	01/02/19	02/07/19				ON LINE
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The above section is an online class. Computer with Internet access required.

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

**Instructor:** J Finley

### GAM-50 Introduction to Game Programming 3 UNITS

**Prerequisite:** None.

**Description:** A first course in programming for games stressing fundamental programming principles. Computer programming logic is introduced with hands on game development projects using an industry standard game engine. No previous computer programming experience is required. (Same as CIS-50)

**30102 Last day to add: 01/07/19**

OL	01/02/19	02/07/19				ON LINE
OLL	01/02/19	02/07/19				ON LINE

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

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

**Instructor:** J Finley

### GAM-52 Game Engine Scripting I 3 UNITS

**Prerequisite:** GAM-50

**Description:** Introduction to core programming concepts related to game engine scripting. Scripted languages are used in the context of industry standard game development tools to implement game functionality. 54 hours lecture and 18 hours laboratory. (TBA option)

**30236 Last day to add: 01/06/19**

WE	01/02/19	02/07/19	08:00AM	10:50AM	TWTH	STEM 115
WEL	01/02/19	02/07/19	11:00AM	11:50AM	TWTH	STEM 115

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

**Instructor:** J Ruiz



## GEOGRAPHY

### GEG-1 Physical Geography 3 UNITS

**Prerequisite:** None

Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

**30104** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 12:50PM 03:10PM MTWTH ATEC 205

**Instructor:** R Christov

### GEG-1L Physical Geography Laboratory 1 UNIT

**Prerequisite:** None

**Corequisite:** GEG-1DE or GEG-1H

Description: Practical application of scientific principles through geographically based in-class exercises using a variety of tools, such as maps, photos, and data in various forms. 54 hours laboratory.

**30105** Last day to add: 01/06/19

LAB 01/02/19 02/07/19 03:15PM 05:35PM MTWTH ATEC 205

**Instructor:** R Christov

## GUIDANCE

### GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**30107** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 08:00AM 10:10AM MTWTH ATEC 205

**Instructor:** A Bailey

### GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**30106** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 10:25AM 12:35PM MTWTH ATEC 205

**Instructor:** J Moore

### GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**30211** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 05:45PM 07:55PM MTWTH ATEC 205

**Instructor:** M Jurado-Martinez

### GUI-48 College Success Strat 2 UNITS

**Prerequisite:** None.

Description: Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.

**30212** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 08:00AM 10:10AM MTWTH LIBR 110

**Instructor:** M Huizar

## HEALTH SCIENCE

### HES-1 Health Science (same As Bio-35) 3 UNITS

**Prerequisite:** None

Description: A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.

**30109** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 10:25AM 12:45PM MTWTH WEQW3

**Instructor:** T Wallstrom

### HES-1 Health Science (same As Bio-35) 3 UNITS

**Prerequisite:** None

Description: A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.

**30110** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 06:00PM 09:05PM TWTH WEQW6A

**Instructor:** T Wallstrom





## HISTORY

### HIS-6 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and HIS-6H. 54 hours lecture.

**30112** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:25AM 12:45PM MTWTH HUM 103

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

**Instructor:** H Vion

### HIS-6 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and HIS-6H. 54 hours lecture.

**30111** Last day to add: 01/06/19

WE 01/02/19 02/07/19 06:00PM 09:05PM TWTH HUM 103

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

**Instructor:** H Vion

### HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**30113** Last day to add: 01/07/19

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

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

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

**Instructor:** D Reina

### HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**30115** Last day to add: 01/07/19

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

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

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

**Instructor:** D Reina

### HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**30117** Last day to add: 01/07/19

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

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

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

**Instructor:** D Reina

### HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 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.

**30204** Last day to add: 01/07/19

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

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

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

**Instructor:** C Day

### HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**30114** Last day to add: 01/06/19

WE 01/02/19 02/07/19 08:00AM 10:20AM MTWTH HUM 103

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

**Instructor:** T Russell

### HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**30116** Last day to add: 01/06/19

WE 01/02/19 02/07/19 12:50PM 03:10PM MTWTH HUM 103

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

**Instructor:** H Vion



## HUMANITIES

### HUM-9 American Voices 3 UNITS

**Prerequisite:** None

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

Description: An interdisciplinary study of American voices across class, racial, ethnic, religious, and other boundaries. Close reading of American biographies and autobiographies of writers, artists, musicians, and other artists to analyze the evolving character of American identity. 54 hours lecture.

**30208** Last day to add: 01/07/19

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

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

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

**Instructor:** M Bobo

### HUM-10 World Religions 3 UNITS

**Prerequisite:** None

Advisory: REA-83 and qualification for English 1A

Description: Thought and concepts of the major religious systems, including primal religions, extinct religions, Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, Shintoism, Zoroastrianism, Judaism, Christianity, and Islam. Students may not receive credit for both HUM-10 and HUM-10H. 54 hours lecture.

**30118** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:35AM 12:55PM MTWTH STEM 201

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

**Instructor:** D Ketcham

## INTERDISCIPLINARY STUDIES

### ILA-1 Introduction to Tutor Training 1 UNIT

**Prerequisite:** None

Advisory: Qualification for ENG-1A

Description: Introduction to tutoring, with an emphasis on tutoring strategies, learning styles, problem solving, and working with diverse student populations. Designed to prepare students to become peer tutors in a variety of subject areas. Tutors develop student-centered, non-intrusive tutoring skills to meet a wide variety of student needs. Topics include theory, practice and ethics of tutoring, interpersonal communications techniques, tutoring diverse student populations, and group tutorial methods and practical field work. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

**30120** Last day to add:

LEC 01/02/19 02/07/19 05:30PM 08:20PM W LIBR 110

The above section is a short term class. Please note the start and end dates.

**Instructor:** Staff

## KINESIOLOGY

### KIN-4 Nutrition 3 UNITS

**Prerequisite:** None

Description: The principles of modern nutrition and its application. The importance of a scientific knowledge of nutrition, specific food nutrients and nutritional controversies. A study of modern convenience foods and their impact on present day diets. 54 hours lecture.

**30207** Last day to add: 01/07/19

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

**Instructor:** S Witmer

### 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.

**30122** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 08:00AM 10:20AM MTWTH WEQW5

**Instructor:** T Wallstrom

### KIN-30 First Aid and CPR 3 UNITS

**Prerequisite:** None.

Description: Earn "National Safety Council Advanced First Aid" and "American Heart Association Healthcare Professional" certificates. First Aid and CPR fees totaling \$20.00 will be charged to the student and are not covered by BOGW. Drop deadlines for non-payment apply.

**30193** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 08:00AM 10:20AM MTWTH WEQW3

**Instructor:** S Witmer

### KIN-A40 Karate, Beginning 1 UNIT

**Prerequisite:** None

Description: This course in beginning karate will develop the basic skills needed for the art of unarmed self-defense. This includes the use of blocking, shifting, punching, striking, and kicking. Karate will also develop speed, grace of movement, self-confidence, poise, mental alertness, strength, endurance, and muscular control. Karate is a physical art and a sport that anyone, irrespective of size, age, or sex, can practice according to his or her own capabilities. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**30123** Last day to add: 01/06/19

LAB 01/02/19 02/07/19 12:50PM 03:10PM MTWTH WEQW2

**Instructor:** D Namekata

### KIN-A41 Karate, Intermediate 1 UNIT

**Prerequisite:** None

Advisory: KIN-A40

Description: This course in intermediate karate is designed for the student wishing to review basic self defense skills and begin work on higher skills, develop intermediate level skills in unarmed self defense, and learn basic skills in kumite (free fighting). 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**30124** Last day to add: 01/06/19

LAB 01/02/19 02/07/19 12:50PM 03:10PM MTWTH WEQW2

**Instructor:** D Namekata

### KIN-A46 Hatha Yoga, Beginning 1 UNIT

**Prerequisite:** None.

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

**30125** Last day to add: 01/06/19

LAB 01/02/19 02/07/19 10:25AM 12:45PM MTWTH WEQW2

**Instructor:** L Zank



## KIN-A47 Hatha Yoga, Intermediate

1 UNIT

**Prerequisite:** None

**Advisory:** KIN-A46

Description: This course offers intermediate Hatha yoga exercises to improve students physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 and A47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**30126** Last day to add: 01/06/19

LAB 01/02/19 02/07/19 10:25AM 12:45PM MTWTH WEQW2

**Instructor:** L Zank

## KIN-A64 Soccer

1 UNIT

**Prerequisite:** None

Description: This course is designed to introduce students to the rules, basic skills, and offensive/defensive strategy in soccer. Emphasis will be placed on improving individual skills and applying these skills to game situations. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**30127** Last day to add: 01/06/19

LAB 01/02/19 02/07/19 03:15PM 05:35PM MTWTH SOCR 2

**Instructor:** F Melgarejo

## 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.)

**30129** Last day to add: 01/06/19

LAB 01/02/19 02/07/19 10:25AM 12:45PM MTWTH WEQW8

**Instructor:** S Witmer

## KIN-A81B Physical Fitness, Intermediate

1 UNIT

**Prerequisite:** None.

Description: Provides concepts for total fitness and develops personalized exercise programs for cardiovascular endurance, strength and flexibility.

**30131** Last day to add: 01/06/19

LAB 01/02/19 02/07/19 06:00PM 09:05PM TWTH WEQW8

**Instructor:** D Bednarczyk

## LIBRARY

### LIB-1 Introduction to Information Literacy

1 UNIT

**Prerequisite:** None

Description: Presents the fundamentals of the effective use of libraries to find, evaluate, interpret, and organize information from a variety of formats, both online and in print, to answer research questions and develop new ones. Through the use of information retrieval systems students will develop an understanding of and practices for the legal access to and ethical use of information. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

**30206** Last day to add: 01/07/19

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

**Instructor:** M Castro

## MANAGEMENT

### MAG-47 Applied Business, Management Ethics

3 UNITS

**Prerequisite:** None.

Description: An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as BUS-47)

**30133** Last day to add: 01/07/19

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

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

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

**Instructor:** G Zwart

### MAG-53 Human Relations

3 UNITS

**Prerequisite:** None.

Description: Practical application of basic psychology in building better employer-employee relationships.

**30135** Last day to add: 01/07/19

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

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

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

**Instructor:** G Zwart

## MANUFACTURING TECHNOLOGY

### MAN-55 Occupational Safety and Health Administration (OSHA) Standards for General Industry

1 UNIT

**Prerequisite:** None

Description: Covers OSHA policies, procedures, and standards, as well as safety for general industry and health principles. Topics include scope and application of the OSHA general industry standards. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide. Upon successful course completion, the student will receive either an OSHA 10 or 30 hour general industry or construction industry training completion card. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)

**30136** Last day to add: 01/07/19

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

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

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

**Instructor:** K Mosley

### MAN-60 Hydraulic and Pneumatic Systems

3 UNITS

**Prerequisite:** None

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

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

**30137** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 08:00AM 09:35AM MTWTH IT 124

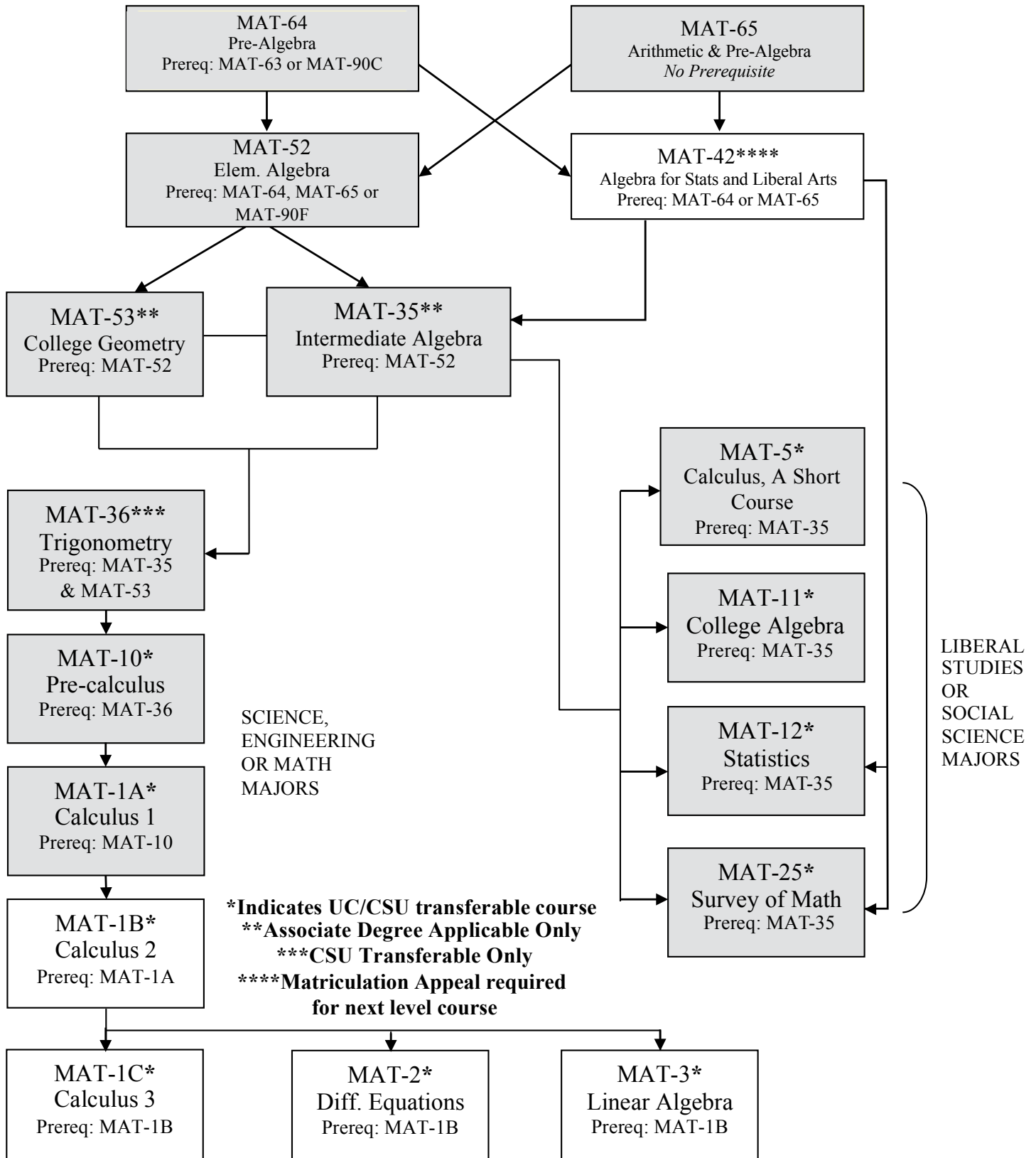
LAB 01/02/19 02/07/19 09:45AM 12:55PM MTWTH IT 124

**Instructor:** T Childers



# Moving through Math

SHADED AREAS  
INDICATE POSSIBLE  
COURSE PLACEMENTS



## MATHEMATICS

### MAT-1A Calculus I 4 UNITS

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

Description: Functions, limits, continuity, differentiation, applications of the derivative and integration, the fundamental theorem of calculus and basic integration. 72 hours lecture and 18 hours laboratory. (Letter Grade or Pass/No Pass option)

**30147** Last day to add: 01/06/19

WE 01/02/19 02/07/19 08:00AM 12:05PM TWTH LIBR 108

WEL 01/02/19 02/07/19 12:15PM 01:05PM TWTH LIBR 108

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

**Instructor:** B Johnson

### MAT-1A Calculus I 4 UNITS

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

Description: Functions, limits, continuity, differentiation, applications of the derivative and integration, the fundamental theorem of calculus and basic integration. 72 hours lecture and 18 hours laboratory. (Letter Grade or Pass/No Pass option)

**30148** Last day to add: 01/06/19

WE 01/02/19 02/07/19 01:15PM 05:20PM TWTH LIBR 108

WEL 01/02/19 02/07/19 05:30PM 06:20PM TWTH LIBR 108

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

**Instructor:** J Tousignant

### MAT-1B Calculus II 4 UNITS

**Prerequisite:** MAT-1A

Description: Techniques of integration, applications of integration, improper integrals, infinite sequences and series, parametric equations, and polar coordinates. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**30194** Last day to add: 01/06/19

WE 01/02/19 02/07/19 08:00AM 12:05PM TWTH WEQ W6A

WEL 01/02/19 02/07/19 12:15PM 01:05PM TWTH WEQ W6A

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

**Instructor:** B Lopez Segoviano

### MAT-5 Calculus for Business and Life Science 4 UNITS

**Prerequisite:** MAT-35

Description: A study of the techniques of calculus for majors in business, business administration, life and social sciences. Emphasis on problem solving and applications. Topics include: functions, graphs, limits, derivatives, integrals, exponential and logarithmic functions. 72 hours lecture. (Letter Grade or Pass/No Pass option.)

**30230** Last day to add: 01/06/19

WE 01/02/19 02/07/19 01:00PM 04:10PM MTWTH IT 122

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

**Instructor:** J Basinger

### MAT-10 Precalculus 4 UNITS

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

Description: Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates, sequences and series. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**30215** Last day to add: 01/06/19

WE 01/02/19 02/07/19 01:00PM 04:10PM MTWTH WEQ W4

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

**Instructor:** T Malouf

### MAT-11 College Algebra 4 UNITS

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

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

**30141** Last day to add: 01/06/19

WE 01/02/19 02/07/19 01:40PM 04:50PM MTWTH ATEC 204

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

**Instructor:** E Hwang

### MAT-12 Statistics 4 UNITS

**Prerequisite:** MAT-35

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

**30231** Last day to add: 01/07/19

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

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** Staff

### MAT-12 Statistics 4 UNITS

**Prerequisite:** MAT-35

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

**30220** Last day to add: 01/06/19

WE 01/02/19 02/07/19 08:00AM 11:10AM MTWTH WEQ W4

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

**Instructor:** P Singh



## 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.)

**30217** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:25AM 01:35PM MTWTH ATEC 204

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

**Instructor:** H Mai

## 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.)

**30219** Last day to add: 01/04/19

HYB 01/02/19 02/06/19 01:00PM 04:20PM MW STEM 302

HYBO 01/02/19 02/06/19 ON LINE

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

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

**Instructor:** J Mulari

## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

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

**30216** Last day to add: 01/06/19

WE 01/02/19 02/07/19 06:00PM 09:10PM MTWTH STEM 201

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

**Instructor:** Y Lam

## 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)

**30222** Last day to add: 01/06/19

WE 01/02/19 02/07/19 08:00AM 12:05PM MTWTH ATEC 211

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

**Instructor:** N Alvarado

## 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)

**30225** Last day to add: 01/06/19

HYB 01/02/19 02/07/19 10:35AM 12:55PM MTWTH WEQ W5

HYBO 01/02/19 02/07/19 ON LINE

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

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

**Instructor:** S Park

## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

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

**30223** Last day to add: 01/06/19

WE 01/02/19 02/07/19 12:50PM 04:55PM MTWTH ATEC 211

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

**Instructor:** J DeGuzman

## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

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

**30224** Last day to add: 01/06/19

HYB 01/02/19 02/07/19 01:30PM 04:35PM TWTH STEM 201

HYBO 01/02/19 02/07/19 ON LINE

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

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

**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)

**30221** Last day to add: 01/06/19

WE 01/02/19 02/07/19 05:30PM 09:35PM MTWTH ATEC 210

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)

**30226** Last day to add: 01/07/19

HYB 01/02/19 02/07/19 01:45PM 04:50PM TTH STEM 302

HYBO 01/02/19 02/07/19 ON LINE

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

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

**Instructor:** B Lopez Segoviano

## MAT-36 Trigonometry

4 UNITS

**Prerequisite:** MAT-35 and MAT-53

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

**30227** Last day to add: 01/06/19

WE 01/02/19 02/07/19 06:00PM 09:10PM MTWTH IT 109

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

**Instructor:** S Borissova

## MAT-52 Elementary Algebra

4 UNITS

**Prerequisite:** MAT-64, 65, 90F or qualifying placement level

Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)

**30229** Last day to add: 01/06/19

WE 01/02/19 02/07/19 01:40PM 04:50PM MTWTH WEQW5

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

**Instructor:** S Park

## MAT-52 Elementary Algebra

4 UNITS

**Prerequisite:** MAT-64, 65, 90F or qualifying placement level

Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)

**30228** Last day to add: 01/06/19

WE 01/02/19 02/07/19 06:00PM 09:10PM MTWTH ATEC 211

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

**Instructor:** J Zaragoza

## MAT-53 College Geometry

3 UNITS

**Prerequisite:** MAT-52

Description: A course covering the study of plane geometry and three dimensional figures. These topics include angles, triangles, quadrilaterals, circles and solids, their formulas for measuring such figures, including perimeter, area and volume. Students create proofs of geometric concepts using postulates and theorems associated with geometric objects and their characteristics. 54 hours lecture.

**30158** Last day to add: 01/06/19

WE 01/02/19 02/07/19 08:00AM 10:20AM MTWTH STEM 201

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

**Instructor:** J Higley

## MAT-65 Arithmetic and Pre-Algebra

5 UNITS

**Prerequisite:** None.

Description: Study of the four basic operations applied to whole numbers, integers, fractions, mixed numbers, and decimals, to include application to real-world problems along with an introduction to the notion of algebra and its uses. (Non-degree credit course.)

**30159** Last day to add: 01/06/19

WE 01/02/19 02/07/19 05:30PM 09:35PM MTWTH ATEC 204

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

**Instructor:** B Nguyen

## MUSIC

### MUS-19 Music Appreciation

3 UNITS

**Prerequisite:** None

Description: A broad survey of music in the Western world, including terminology for describing musical elements, forms, and styles. Organized to acquaint students with the roles of music and musicians in society and with representative musical selections through listening, reading, writing, and live performance. 54 hours lecture.

**30164** Last day to add: 01/07/19

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

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

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

**Instructor:** K Kamerin

### MUS-19 Music Appreciation

3 UNITS

**Prerequisite:** None

Description: A broad survey of music in the Western world, including terminology for describing musical elements, forms, and styles. Organized to acquaint students with the roles of music and musicians in society and with representative musical selections through listening, reading, writing, and live performance. 54 hours lecture.

**30205** Last day to add: 01/07/19

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

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

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

**Instructor:** K Kamerin



## MUS-19 Music Appreciation

3 UNITS

**Prerequisite:** None

Description: A broad survey of music in the Western world, including terminology for describing musical elements, forms, and styles. Organized to acquaint students with the roles of music and musicians in society and with representative musical selections through listening, reading, writing, and live performance. 54 hours lecture.

**30165** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:25AM 12:40PM MTWTH ATEC 114

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

**Instructor:** N Estes

## MUS-87 Applied Music Training

1 UNIT

**Prerequisite:** None

Description: Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 54 hours in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. Course may be taken a total of four times. 54 hours laboratory.

**30167** Last day to add: 01/13/19

WEL 01/02/19 02/07/19 THTR 204

The above section is a web-enhanced class and has a 54-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass or drums. An audition is required. Students must either come to THTR 204 at 1pm on Tuesday, January 2nd or must contact the instructor to schedule an audition. 3 hours of lessons and 2 hours of required performance times are to be arranged with your instructor. In addition, students are required to practice in the Norco music practice facilities for 6.5 hours each week. For additional information, please contact the instructor; Kim.Kamerin@norcollege.edu or 951-738-7703.

**Instructor:** K Kamerin

## MUS-92 Basic Piano

0.50 UNITS

**Prerequisite:** None.

Description: Group piano lessons for beginners. Emphasis on simple melodies and basic chords using standard musical notation and lead sheets.

**30169** Last day to add: 01/06/19

LAB 01/02/19 02/07/19 08:45AM 10:00AM TWTH HUM 101

**Instructor:** Z Shehata

## PHILOSOPHY

### PHI-10 Introduction to Philosophy

3 UNITS

**Prerequisite:** None

Advisory: ENG-50 or ENG-80

Description: A survey and exploration of significant questions in the Western philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

**30170** Last day to add: 01/07/19

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

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

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

**Instructor:** L Montes

### PHI-11 Critical Thinking

3 UNITS

**Prerequisite:** None

Advisory: REA-82

Description: This course presents critical thinking as a skill to be used for better understanding, evaluating, and constructing arguments. The focus will be on developing and enhancing the student's ability to identify, analyze, and present arguments. Topics covered through analysis and writing include the nature of argument, inductive and deductive reasoning, rhetoric, theory of knowledge, scientific method, and informal fallacies. 54 hours lecture.

**30172** Last day to add: 01/07/19

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

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

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

**Instructor:** L Montes

## 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.

**30173** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 10:25AM 12:45PM MTWTH HUM 201

**Instructor:** D Johnson

## 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.

**30174** Last day to add: 01/06/19

LEC 01/02/19 02/07/19 08:00AM 10:20PM MTWTH HUM 201

**Instructor:** D Johnson

## 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.

**30175** Last day to add: 01/07/19

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

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

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

**Instructor:** C Samuels





## POL-1 American Politics

3 UNITS

**Prerequisite:** None

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

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**30200** Last day to add: 01/07/19

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

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

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

**Instructor:** C Samuels

## POL-1 American Politics

3 UNITS

**Prerequisite:** None

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

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**30176** Last day to add: 01/06/19

WE 01/02/19 02/07/19 06:00PM 09:05PM TWTH IT 101

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

**Instructor:** R Brown

# PSYCHOLOGY

## PSY-1 General Psychology

3 UNITS

**Prerequisite:** None.

Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.

**30178** Last day to add: 01/07/19

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

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

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

**Instructor:** L Adams

## PSY-1 General Psychology

3 UNITS

**Prerequisite:** None.

Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.

**30179** Last day to add: 01/07/19

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

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

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

**Instructor:** L Adams

## PSY-1 General Psychology

3 UNITS

**Prerequisite:** None.

Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.

**30177** Last day to add: 01/06/19

WE 01/02/19 02/07/19 08:00AM 10:20AM MTWTH IT 122

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

**Instructor:** J Reed

## 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.

**30180** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:20AM 12:40PM MTWTH IT 202

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

**Instructor:** J Trujillo

## PSY-9 Developmental Psychology

3 UNITS

**Prerequisite:** None

Description: This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

**30183** Last day to add: 01/07/19

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

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

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

**Instructor:** K Zamiska

## PSY-9 Developmental Psychology

3 UNITS

**Prerequisite:** None

Description: This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

**30201** Last day to add: 01/07/19

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

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

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

**Instructor:** K Zamiska

## PSY-9 Developmental Psychology

3 UNITS

**Prerequisite:** None

Description: This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

**30181** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:25AM 12:45PM MTWTH IT 122

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

**Instructor:** N Hightower

## PSY-9 Developmental Psychology

3 UNITS

**Prerequisite:** None

Description: This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

**30182** Last day to add: 01/06/19

WE 01/02/19 02/07/19 12:50PM 03:10PM MTWTH IT 202

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

**Instructor:** N Hightower



## REAL ESTATE

### RLE-80 Real Estate Principles

3 UNITS

**Prerequisite:** None.

Description: Comprehensive analysis of basic laws, principles, terminology and current practices of California real estate.

**30185** Last day to add: 01/07/19

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

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

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

**Instructor:** T Wagner

## SOCIOLOGY

### SOC-1 Introduction to Sociology

3 UNITS

**Prerequisite:** None

Advisory: ENG-50

Description: An introduction to the basic concepts relating to the study of society. The course includes investigation into the foundations of sociology including its overall perspective, theoretical orientations, and research methodology; the foundations of social life including the components of culture, social interaction and the process of socialization, groups, organizations, and deviance; economic social inequality based upon class, race, sex, and age; social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and 1H. 54 hours lecture

**30186** Last day to add: 01/06/19

WE 01/02/19 02/07/19 08:00AM 10:20AM MTWTH WEQW7

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

**Instructor:** K Andacheh

### 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

**30187** Last day to add: 01/06/19

WE 01/02/19 02/07/19 10:25AM 12:45PM MTWTH WEQW7

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

**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

**30188** Last day to add: 01/06/19

WE 01/02/19 02/07/19 06:00PM 09:05PM TWTH IT 122

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

**Instructor:** J Hill

## SPANISH

### SPANISH PLACEMENT TESTING

The Spanish placement test measures competency levels for those who wish to enroll in Spanish courses but need to determine the appropriate starting level. The results show a recommendation of the appropriate Spanish class. Students can enroll in a level lower than their placement, but not higher. This placement test is intended for placement only, not for credit replacement. Once you have taken a Spanish class, you can no longer take the placement test. Placement tests are available by appointment only.

Please visit our online appointment system at:

<https://esars.rccd.edu/Norco/Assessment/index.htm>

If you need to speak with someone directly, please call the Norco College Assessment Center (951) 372-7176

### ENROLLMENT GUIDELINES

#### SPANISH

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

### SPA-1 Spanish 1

5 UNITS

**Prerequisite:** None

Advisory: Completion of placement test to assess level of proficiency in Spanish.

Description: This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)

**30189** Last day to add: 01/06/19

HYB 01/02/19 02/07/19 08:55AM 11:05AM TWTH LIBR 109

HYBO 01/02/19 02/07/19 ON LINE

HYBL 01/02/19 02/07/19 08:00AM 08:50AM TWTH LIBR 121

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

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

**Instructor:** A Covarrubias



## SPA-2 Spanish 2

5 UNITS

**Prerequisite:** SPA-1B or SPA-1 or SPA-1H, or qualifying placement level on the Spanish assessment test or the equivalent

**Description:** Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the beginning level. This course includes an expanded discussion of Hispanic culture and daily life. Students may not receive credit for both SPA-2 and SPA-2H. 90 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

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

HYB	01/02/19	02/07/19	09:55AM	12:05PM	TWTH	LIBR 121
HYBO	01/02/19	02/07/19				ON LINE
HYBL	01/02/19	02/07/19	09:00AM	09:50AM	TWTH	LIBR 121

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

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

**Instructor:** D Hitchcock

## THEATER ARTS

### THE-3 Introduction to the Theater

3 UNITS

**Prerequisite:** None

**Description:** A comprehensive study of theatrical styles and forms with units in directing, acting, designing, technical theater, playwriting, and genres, to acquaint the student with the diverse nature of theater leading to an appreciation and understanding of theater as a separate and distinctive art form. 54 hours lecture.

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

OL	01/02/19	02/07/19				ON LINE
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The above section is an online class. Computer with Internet access required.

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

**Instructor:** M Gourley



## MISSION STATEMENT

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

ABBR	BUILDING	ABBR	BUILDING
A TEC	Applied Technology	SSV	Student Services
CA CT	CA CT Center	ST	Science and Technology
LI BR	Wilfred J. Airey Library	ST EM	STEM Center
H UM	Humanities	TH TR	Theater Building
IT	Industrial Technology	WE Q	West End Quad
JFK	John F. Kennedy Middle College High School		

**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>.

## ACCOUNTING

### ACC-1A Principles of Accounting I

3 UNITS

**Prerequisite:** None

**Advisory:** BUS-20

Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture.

**32002** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class that requires an on-site proctored final exam. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** P Worsham

### ACC-1A Principles of Accounting I

3 UNITS

**Prerequisite:** None

**Advisory:** BUS-20

Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture.

**32003** Last day to add: 02/19/19

OL 02/11/19 04/05/19 ON LINE

The above section is a short term online class that requires an on-site proctored final exam. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** D White

### ACC-1A Principles of Accounting I

3 UNITS

**Prerequisite:** None

**Advisory:** BUS-20

Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture.

**32005** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class that requires an on-site proctored final exam. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** D White



## ACC-1A Principles of Accounting I 3 UNITS

**Prerequisite:** None

**Advisory:** BUS-20

Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture.

**32006** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW ATEC 114

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

**Instructor:** D White

## ACC-1A Principles of Accounting I 3 UNITS

**Prerequisite:** None

**Advisory:** BUS-20

Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture.

**32004** Last day to add: 02/18/19

HYB 02/12/19 04/04/19 09:40AM 11:05AM TTH IT 109

HYBO 02/12/19 04/04/19 ON LINE

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

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

**Instructor:** P Worsham

## ACC-1A Principles of Accounting I 3 UNITS

**Prerequisite:** None

**Advisory:** BUS-20

Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture.

**33005** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 03:00PM 04:25PM MW ERHS B106

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

**Instructor:** Staff

## ACC-1A Principles of Accounting I 3 UNITS

**Prerequisite:** None

**Advisory:** BUS-20

Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture.

**32000** Last day to add: 02/18/19

HYB 02/12/19 04/04/19 06:00PM 07:25PM TTH JFK 224

HYBO 02/12/19 04/04/19 ON LINE

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

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

**Instructor:** D White

## ACC-1A Principles of Accounting I 3 UNITS

**Prerequisite:** None

**Advisory:** BUS-20

Description: An introduction to accounting principles and practice, as a manual and/or computerized information system that provides and interprets economic data for economic units within a global society. Includes recording, analyzing, and summarizing procedures used in preparing financial statements. 54 hours lecture.

**32001** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM W IT 208

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

**Instructor:** R Hurt

## ACC-1B Principles of Accounting II 3 UNITS

**Prerequisite:** ACC-1A

Description: A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture.

**32009** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class that requires an on-site proctored final exam. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** P Worsham

## ACC-1B Principles of Accounting II 3 UNITS

**Prerequisite:** ACC-1A

Description: A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture.

**32010** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class that requires an on-site proctored final exam. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** P Worsham

## ACC-1B Principles of Accounting II 3 UNITS

**Prerequisite:** ACC-1A

Description: A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture.

**32012** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT 109

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

**Instructor:** D White

## ACC-1B Principles of Accounting II 3 UNITS

**Prerequisite:** ACC-1A

Description: A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture.

**32011** Last day to add: 04/22/19

HYB 04/16/19 06/06/19 09:40AM 11:05AM TTH IT 109

HYBO 04/16/19 06/06/19 ON LINE

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

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

**Instructor:** P Worsham



## ACC-1B Principles of Accounting II

3 UNITS

**Prerequisite:** ACC-1A

Description: A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture.

**32007** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM M IT 108

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

**Instructor:** R Hurt

## ACC-1B Principles of Accounting II

3 UNITS

**Prerequisite:** ACC-1A

Description: A study of managerial accounting principles and information systems including basic concepts, limitations, tools and methods to support the internal decision-making functions of an organization. 54 hours lecture.

**32008** Last day to add: 04/22/19

HYB 04/16/19 06/06/19 06:00PM 07:25PM TTH JFK 102

HYBO 04/16/19 06/06/19 ON LINE

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

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

**Instructor:** D White

## ACC-55 Applied Accounting/Bookkeeping

3 UNITS

**Prerequisite:** None

Description: This is an introductory course for students who are non-accounting majors. The focus is basic bookkeeping and accounting principles for both merchandising and service oriented small business enterprises. Emphasis is on the development of skills to record business transactions for cash and accrual methods, as well as the procedures to prepare financial statements and complete an accounting cycle. Attention is given to special journals, subsidiary ledgers, and payroll and banking procedures. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32013** Last day to add: 02/15/19

HYB 02/11/19 04/03/19 07:35AM 09:00AM MW CACT 2

HYBO 02/11/19 04/03/19 ON LINE

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

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

**Instructor:** N Ildefonso

## ACC-62 Payroll Accounting

3 UNITS

**Prerequisite:** ACC-1A or ACC-55

Description: Studies accounting for payroll and examines aspects of the Social Security Act, California Unemployment Insurance Act and the California Workers Compensation Insurance Act. Payroll principles applied through the use of microcomputers. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32014** Last day to add: 02/19/19

OL 02/11/19 04/05/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** M Scott

## ACC-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.)

**32015** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** M Scott

## ACC-65 Computerized Accounting

3 UNITS

**Prerequisite:** ACC-1A or ACC-55

Advisory: CIS-1A or CIS-3

Description: An introduction to computerized accounting, integrating the principles of accounting to an automated system in use by many accounting professionals. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32016** Last day to add: 04/19/19

HYB 04/15/19 06/05/19 07:35AM 09:00AM MW CACT 2

HYBO 04/15/19 06/05/19 ON LINE

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

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

**Instructor:** N Ildefonso

## ACC-67 U.S. and California Income Tax Preparation

4 UNITS

**Prerequisite:** None

Description: U.S. and California income tax principles and tax return preparation as it relates to individuals, sole proprietorships, and other business entities. This course is certified by the California Tax Education Council (CTEC) as fulfilling the 60-hour qualifying education requirement imposed by the State of California for becoming a Registered Tax Preparer. 72 hours lecture.

**32017** Last day to add: 02/17/19

HYB 02/13/19 04/03/19 05:40PM 09:55PM W JFK 226

HYBO 02/13/19 04/03/19 ON LINE

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

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

**Instructor:** J Muir

## ACC-200 Accntg Work Experience

1 UNIT

**Prerequisite:** None.

Advisory: Students should have paid or voluntary employment.

Description: Course is designed to coordinate the student's occupational on-the-job training with related classroom instruction.

**32759** Last day to add: 02/22/19

WRK 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture, students are required to attend an orientation at Norco College the first week of the semester, dates and times will be posted in Blackboard. Students must also meet on-campus for an instructor conference and for final exams. Please see Blackboard for specific dates and times.

**Instructor:** Staff



## ADMINISTRATION OF JUSTICE

### ADJ-1 Introduction to the Administration of Justice 3 UNITS

**Prerequisite:** None

Description: The history and philosophy of administration of justice in America; recapitulation of the system; identifying the various subsystems, role expectations, and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. 54 hours lecture.

**32018** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM TTH IT 202

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

**Instructor:** S Williams

### ADJ-2 Principles and Procedures of the Justice System 3 UNITS

**Prerequisite:** None

Description: This course provides an examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional precedents. 54 hours lecture.

**32792** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:45PM 04:10PM TTH LSHS 105

The above section is a web-enhanced class restricted to La Sierra High School students only.

Internet access is required.

**Instructor:** Staff

### ADJ-2 Principles and Procedures of the Justice System 3 UNITS

**Prerequisite:** None

Description: This course provides an examination and analysis of due process in criminal proceedings from pre-arrest through trial and appeal utilizing statutory law and state and constitutional precedents. 54 hours lecture.

**32790** Last day to add: 02/22/19

WE 02/11/19 06/07/19 03:00PM 04:25PM MW CENT 907

The above section is a web-enhanced class restricted to Centennial High School students only.

Internet access is required.

**Instructor:** T Weeks

### ADJ-3 Concepts of Criminal Law 3 UNITS

Description: Historical development, philosophy of law and constitutional provisions; definitions, classification of crimes, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force. 54 hours lecture.

**32794** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW IT 202

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

**Instructor:** S Williams

### ADJ-8 Juvenile Law and Procedures 3 UNITS

**Prerequisite:** None

Description: The organization, functions and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures. 54 hours lecture.

**32784** Last day to add: 02/22/19

WE 02/11/19 06/07/19 03:00PM 04:25PM MW ERHS B207

The above section is a web-enhanced class restricted to Eleanor Roosevelt High School students only.

Internet access is required.

**Instructor:** Staff

### ADJ-8 Juvenile Law and Procedures 3 UNITS

**Prerequisite:** None

Description: The organization, functions and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedures. 54 hours lecture.

**32022** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T IT 202

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

**Instructor:** S Williams

### ADJ-9 Law In American Society 3 UNITS

**Prerequisite:** None

Description: A general survey of practical law intended as an introduction to the American legal system and to acquaint the student with elements of the law that affect everyday legal relationships: criminal and juvenile justice, consumer law, family law, housing law, and individual rights and liberties. Emphasis is placed on the philosophical and political foundations of law and on civil law. Recommended for prelaw students and for others interested in the practical application of the law. 54 hours lecture.

**32795** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW IT 202

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

**Instructor:** S Williams

### ADJ-13 Criminal Investigation 3 UNITS

**Prerequisite:** None

Description: Fundamentals of investigation; crime scene search and recording; collection and preservation of physical evidence; scientific aids; modus operandi; sources of information; interviews and interrogation; follow-up and case preparation. 54 hours lecture.

**32793** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM TH IT 202

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

**Instructor:** S Williams

## ANTHROPOLOGY

### ANT-1 Physical Anthropology 3 UNITS

**Prerequisite:** None

Description: An introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT-1 and ANT-1H. 54 hours lecture.

**32027** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

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

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

**32031** Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** 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.

**32030** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 09:40AM 11:05AM TTH HUM 111

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

**Instructor:** A Gray

## ANT-1 Physical Anthropology

3 UNITS

**Prerequisite:** None

Description: An introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT-1 and ANT-1H. 54 hours lecture.

**32026** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 02:30PM 03:55PM TTH HUM 111

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

**Instructor:** A Mejia

## ANT-1 Physical Anthropology

3 UNITS

**Prerequisite:** None

Description: An introduction to human biological evolution, physical diversity, and relationship to the animal world, using scientific and comparative methods. Incorporates the study of genetics, fossils, primates, and modern human variation within an evolutionary framework. Students may not receive credit for both ANT-1 and ANT-1H. 54 hours lecture.

**32029** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 06:00PM 09:10PM T HUM 111

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

**Instructor:** K Williams

## ANT-1L Physical Anthropology Laboratory

1 UNIT

**Prerequisite:** None

Corequisite: Concurrent enrollment in or prior completion of ANT-1 or 1H required. Description: Laboratory course exploring case studies and problems of human genetics, human variation, the identification of fossils through examination of fossil casts, human evolution, the study of the human skeleton, observation of primate behavior and structures utilizing the scientific method. 54 hours laboratory.

**32812** Last day to add: 02/22/19  
WEL 02/11/19 06/07/19 04:10PM 05:35PM MW HUM 111

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

**Instructor:** P Roberts

## ANT-1L Physical Anthropology Laboratory

1 UNIT

**Prerequisite:** None

Corequisite: Concurrent enrollment in or prior completion of ANT-1 or 1H required. Description: Laboratory course exploring case studies and problems of human genetics, human variation, the identification of fossils through examination of fossil casts, human evolution, the study of the human skeleton, observation of primate behavior and structures utilizing the scientific method. 54 hours laboratory.

**32032** Last day to add: 02/22/19  
WEL 02/11/19 06/07/19 06:00PM 09:10PM W HUM 111

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

**Instructor:** P Roberts

## ANT-2 Cultural Anthropology

3 UNITS

**Prerequisite:** None

Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.

**32036** Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** A Gray

## ANT-2 Cultural Anthropology

3 UNITS

**Prerequisite:** None

Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.

**32034** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 09:15AM 10:40AM MW HUM 111

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

**Instructor:** P Roberts

## ANT-2 Cultural Anthropology

3 UNITS

**Prerequisite:** None

Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.

**32035** Last day to add: 02/22/19  
LEC 02/11/19 06/07/19 11:10AM 12:35PM MW HUM 111

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

**Instructor:** C Buchanan





## ANT-2 Cultural Anthropology

3 UNITS

**Prerequisite:** None

Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.

**32813** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM TTH HUM 111

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

**Instructor:** A Mejia

## ANT-2 Cultural Anthropology

3 UNITS

**Prerequisite:** None

Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.

**32037** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:00PM 09:10PM M CRC CRCU

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

**Instructor:** C Buchanan

## ANT-2 Cultural Anthropology

3 UNITS

**Prerequisite:** None

Description: An introduction to the anthropological concept of culture and to the methods and theories used in the comparative analysis of cultures. Cultural practices and institutions are examined using perspectives that enhance effective participation in a culturally diverse world. 54 hours lecture.

**32033** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM TH HUM 103

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

**Instructor:** A Mejia

## ANT-3 Prehistoric Cultures

3 UNITS

**Prerequisite:** None

Description: The development of human society from the earliest evidence of culture to the beginnings of recorded history. The concepts, methods, and data of prehistoric archaeology are used to examine the major transitions in human prehistory, including the origins of culture, agriculture, and early civilization. 54 hours lecture.

**32038** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW HUM 111

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

**Instructor:** C Buchanan

## ANT-6 Introduction to Archaeology

3 UNITS

**Prerequisite:** None

Description: An examination of the basic concepts, methods, and findings of modern archaeology. Covers the history of archaeology, the application of archaeological methods of recovery and interpretation, and the analysis of archaeological evidence as it is used to reconstruct ancient societies and major trends in cultural evolution. 54 hours lecture.

**32039** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW HUM 111

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

**Instructor:** C Buchanan

## ANT-10 Forensic Anthropology

3 UNITS

**Prerequisite:** None

Description: The application of the methods of physical anthropology, within a medicolegal framework, to the identification of human remains. Focuses on human osteology for the determination of age, sex, ancestry, stature, and unique features. 54 hours lecture.

**32814** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM TTH HUM 111

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

**Instructor:** A Gray

## ANT-16 Field Methods in Archaeology

3 UNITS

**Prerequisite:** ANT-6

Description: Provides students experiential based training in archaeological survey, excavation, and laboratory processing of excavated material. Includes recognition and recordation of historic and prehistoric sites, theory and methods of archaeological processes (stratigraphy, sampling, record keeping, note taking, profiles, mapping), and basic archaeological field laboratory techniques. 36 hours lecture and 54 hours lab. (Pass/No Pass or Letter Grade)

**32815** Last day to add: 03/06/19

WE 02/22/19 06/07/19 10:00AM 12:10PM F HUM 111

WEL 02/22/19 06/07/19 10:00AM 02:05PM S HUM 111

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

**Instructor:** C Buchanan

## ARCHITECTURE

### ARE-36 History of Architecture: Renaissance to Modern

3 UNITS

**Prerequisite:** None

Description: A survey of the major movements in the form, theory and design of Western architecture and art from the Renaissance through the 20th century will be studied analyzed and interpreted in terms of religious social and political context. Particular emphasis will be placed on a comparative study of architectural monuments and architects, the sources of design, meaning of beauty, and conditions that influence the Western architectural traditions. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32040** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:30PM 09:40PM W JFK 112

**Instructor:** A Nindra

## ART

### ART-2 History of Western Art: Renaissance through Contemporary

3 UNITS

**Prerequisite:** None

Advisory: Qualification for ENG-1A

Description: Survey of the history of Western art: painting, architecture, and sculpture, from the Renaissance through contemporary art. Student may not receive credit for both ART-2 and ART-2H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32047** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM W IT 211

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

**Instructor:** C Goux



## ART-5 History of Non-Western Art

3 UNITS

**Prerequisite:** None

Advisory: ENG-1A and college level reading recommended

Description: An introductory survey of the arts of non-European cultures. History, form, functions, and aesthetics will be discussed in an overview of the arts of the Americas (Pre-Columbian and North American Indian), Oceania, Islamic, Sub-Saharan Africa, Southeast Asia, China, and Japan. 54 hours lecture. (Letter Grade, or Pass/No pass option.)

**32902** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 06:00PM 09:10PM M ATEC 114

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

**Instructor:** C Goux

## ART-6 Art Appreciation

3 UNITS

**Prerequisite:** None

Advisory: ENG-1A

Description: An introductory course for the non-art major. The creative process and the diversity of style, technique and media, evident in various art forms throughout history and culture. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32054** Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** K Skiba

## ART-6 Art Appreciation

3 UNITS

**Prerequisite:** None

Advisory: ENG-1A

Description: An introductory course for the non-art major. The creative process and the diversity of style, technique and media, evident in various art forms throughout history and culture. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32057** Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** K Skiba

## ART-6 Art Appreciation

3 UNITS

**Prerequisite:** None

Advisory: ENG-1A

Description: An introductory course for the non-art major. The creative process and the diversity of style, technique and media, evident in various art forms throughout history and culture. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32056** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 07:35AM 09:00AM MW WEQ W5

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

**Instructor:** B May

## ART-6 Art Appreciation

3 UNITS

**Prerequisite:** None

Advisory: ENG-1A

Description: An introductory course for the non-art major. The creative process and the diversity of style, technique and media, evident in various art forms throughout history and culture. Students may not receive credit for both ART-6 and ART-6H. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32055** Last day to add: 03/05/19  
WE 02/22/19 06/07/19 10:30AM 01:50PM F ATEC 114

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

**Instructor:** S Patel

## ART-13 Pre-Columbian Art History

3 UNITS

**Prerequisite:** None

Advisory: Qualification for ENG-1A

Description: A survey of the visual arts of ancient Mesoamerica and the Andes from 2000 BC-AD 1521 including the Maya, the Aztecs, and the Inca. 54 hours lecture. (Letter grade, or Pass/No Pass option.)

**32904** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 08:00AM 09:25AM TTH WEQ W6A

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

**Instructor:** Staff

## ART-17 Beginning Drawing

3 UNITS

**Prerequisite:** None

Description: An introduction to the fundamentals of drawing in a variety of media. The exploration of the elements of art, the principles of composition, perspective and the development of observational, motor and creative skills. Emphasis will be on black and white media. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32043** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 07:45AM 08:35AM M ATEC 209

WE2 02/11/19 06/07/19 07:45AM 08:50AM W ATEC 209

WEL 02/11/19 06/07/19 08:45AM 11:00AM M ATEC 209

WEL2 02/11/19 06/07/19 09:10AM 11:00AM W ATEC 209

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

**Instructor:** Q Bemiller

## ART-17 Beginning Drawing

3 UNITS

**Prerequisite:** None

Description: An introduction to the fundamentals of drawing in a variety of media. The exploration of the elements of art, the principles of composition, perspective and the development of observational, motor and creative skills. Emphasis will be on black and white media. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32045** Last day to add: 03/05/19

WE 02/22/19 06/07/19 08:00AM 10:10AM F ATEC 209

WEL 02/22/19 06/07/19 10:20AM 02:50PM F ATEC 209

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

**Instructor:** J Bell



## 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.)

**32044** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:35PM	03:25PM	M	ATEC 209
WE2	02/11/19	06/07/19	02:35PM	03:40PM	W	ATEC 209
WEL	02/11/19	06/07/19	03:35PM	05:50PM	M	ATEC 209
WEL2	02/11/19	06/07/19	04:00PM	05:50PM	W	ATEC 209

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

**Instructor:** M Lindeman

## ART-18 Intermediate Drawing

3 UNITS

**Prerequisite:** ART-17

Description: Intermediate level and continued study of drawing with emphasis on the use of color media. Basic color theory will be explored in thoughtful compositions. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32046** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:35AM	10:25AM	T	ATEC 209
WE2	02/11/19	06/07/19	09:35AM	10:40AM	TH	ATEC 209
WEL	02/11/19	06/07/19	10:35AM	12:50PM	T	ATEC 209
WEL2	02/11/19	06/07/19	11:00AM	12:50PM	TH	ATEC 209

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

**Instructor:** Q Bemiller

## ART-22 Basic Design

3 UNITS

**Prerequisite:** None

Description: An introduction to the fundamentals of two-dimensional design. The organization of visual elements according to the principles of design. Emphasis placed on visual perception, theory, dexterity, problem solving, analysis, application, skill, and presentation. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32048** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:00PM	02:50PM	T	ATEC 209
WE2	02/11/19	06/07/19	02:00PM	03:05PM	TH	ATEC 209
WEL	02/11/19	06/07/19	03:00PM	05:15PM	T	ATEC 209
WEL2	02/11/19	06/07/19	03:25PM	05:15PM	TH	ATEC 209

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

**Instructor:** M Lindeman

## ART-23 Color Theory and Design

3 UNITS

**Prerequisite:** ART-22 or ART-17

Description: The study of color theory and two-dimensional design. The practice of the organization of the visual elements according to the principles of design. Emphasis placed on more advanced methods of communicating ideas through color in design 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32049** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	06:50PM	T	ATEC 209
WE2	02/11/19	06/07/19	06:00PM	07:05PM	TH	ATEC 209
WEL	02/11/19	06/07/19	07:00PM	09:15PM	T	ATEC 209
WEL2	02/11/19	06/07/19	07:25PM	09:15PM	TH	ATEC 209

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

**Instructor:** M Lindeman

## ART-24 Three Dimensional Design

3 UNITS

**Prerequisite:** None

Description: An introduction to the fundamentals of three-dimensional design. The use of the visual elements and the practice of the principles of design as they relate to various three-dimensional art forms (i.e., sculpture, architecture and product, commercial, stage, environmental and interior design). Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.) (Materials fee: \$15.00)

**32050** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	06:50PM	M	ATEC 209
WE2	02/11/19	06/07/19	06:00PM	07:05PM	W	ATEC 209
WEL	02/11/19	06/07/19	07:00PM	09:15PM	M	ATEC 209
WEL2	02/11/19	06/07/19	07:25PM	09:15PM	W	ATEC 209

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

**Instructor:** D Campuzano

## ART-25A Watercolor - Beginning

3 UNITS

**Prerequisite:** ART-17

Description: Course work that reflects the fundamentals of painting with transparent watercolors at an introductory level. Basic techniques, tools, and materials will be explored. Composition, idea, method, color, and creativity will be examined. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**33016** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:35AM	10:25AM	T	ATEC 209
WE2	02/11/19	06/07/19	09:35AM	10:40AM	TH	ATEC 209
WEL	02/11/19	06/07/19	10:35AM	12:50PM	T	ATEC 209
WEL2	02/11/19	06/07/19	11:00AM	12:50PM	TH	ATEC 209

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

**Instructor:** Q Bemiller

## ART-26 Beginning Painting

3 UNITS

**Prerequisite:** ART-17

Description: An introduction to the fundamentals of painting (oil or acrylic). An exploration of various considerations in painting; techniques, process, color theory, visual perception, composition, and creative skills. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32051** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:10AM	12:00PM	M	ATEC 209
WE2	02/11/19	06/07/19	11:10AM	12:15PM	W	ATEC 209
WEL	02/11/19	06/07/19	12:10PM	02:25PM	M	ATEC 209
WEL2	02/11/19	06/07/19	12:35PM	02:25PM	W	ATEC 209

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

**Instructor:** M Lindeman



## ART-27 Intermediate Painting

3 UNITS

**Prerequisite:** ART-23 or ART-26

Description: Intermediate level of painting (oil or acrylic). Continued exploration of various techniques and the application of color theory. Development of visual, compositional, and creative skills. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32052** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:10AM	12:00PM	M	ATEC 209
WE2	02/11/19	06/07/19	11:10AM	12:15PM	W	ATEC 209
WEL	02/11/19	06/07/19	12:10PM	02:25PM	M	ATEC 209
WEL2	02/11/19	06/07/19	12:35PM	02:25PM	W	ATEC 209

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

**Instructor:** M Lindeman

## ART-28A Studio Painting-Portfolio Preparation

3 UNITS

**Prerequisite:** ART-27

Description: Independent painting studio for the self-motivated student with emphasis on individual art problems and portfolio development. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Emphasis will be on independent concept, development, and portfolio preparation. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option)

**32053** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:10AM	12:00PM	M	ATEC 209
WE2	02/11/19	06/07/19	11:10AM	12:15PM	W	ATEC 209
WEL	02/11/19	06/07/19	12:10PM	02:25PM	M	ATEC 209
WEL2	02/11/19	06/07/19	12:35PM	02:25PM	W	ATEC 209

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

**Instructor:** M Lindeman

## ART-39 Design and Graphics

3 UNITS

**Prerequisite:** None

**Advisory:** ART-17 or ART-22 or ART-35A

Description: Fundamental design methodology for visual communication. Exploration of design principles in advertising and layout design, type and lettering creation and techniques, corporate imagery, and portfolio preparation. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32910** Last day to add: 02/22/19

WE	02/11/19	06/07/19	07:45AM	08:35AM	M	ATEC 109
WE2	02/11/19	06/07/19	07:45AM	08:50AM	W	ATEC 109
WEL	02/11/19	06/07/19	08:40AM	10:50AM	M	ATEC 109
WEL2	02/11/19	06/07/19	09:00AM	10:50AM	W	ATEC 109

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

**Instructor:** Staff

## 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)

**32826** Last day to add: 02/22/19

WE	02/11/19	06/07/19	07:35AM	09:00AM	MW	IT 117
WEL	02/11/19	06/07/19	09:15AM	12:25PM	M	IT 128

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

**Instructor:** Staff

### BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32829** Last day to add: 02/22/19

WE	02/11/19	06/07/19	07:35AM	09:00AM	MW	IT 117
WEL	02/11/19	06/07/19	09:15AM	12:25PM	W	IT 128

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

**Instructor:** Staff

### BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32830** Last day to add: 02/22/19

WE	02/11/19	06/07/19	08:00AM	09:25AM	TTH	HUM 111
WEL	02/11/19	06/07/19	09:40AM	12:50PM	T	ST 203

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

**Instructor:** Staff

### BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32831** Last day to add: 02/22/19

WE	02/11/19	06/07/19	08:00AM	09:25AM	TTH	HUM 111
WEL	02/11/19	06/07/19	09:40AM	12:50PM	TH	ST 203

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

**Instructor:** Staff



## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32837** Last day to add: 03/06/19

WE 02/23/19 06/01/19 08:00AM 12:05PM S IT 128

WEL 02/23/19 06/01/19 12:30PM 04:35PM S IT 128

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

**Instructor:** Staff

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32060** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH THTR 101

WEL 02/11/19 06/07/19 02:00PM 05:10PM T IT 128

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

**Instructor:** Staff

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32063** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH THTR 101

WEL 02/11/19 06/07/19 02:00PM 05:10PM TH IT 128

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

**Instructor:** Staff

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32834** Last day to add: 02/22/19

WE 02/11/19 06/07/19 01:00PM 04:20PM F IT 101

WEL 02/11/19 06/07/19 09:00AM 12:10PM F ST 203

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

**Instructor:** Staff

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32835** Last day to add: 02/22/19

WE 02/11/19 06/07/19 01:00PM 04:20PM F IT 101

WEL 02/11/19 06/07/19 05:00PM 08:10PM F ST 203

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

**Instructor:** Staff

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32064** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW THTR 101

WEL 02/11/19 06/07/19 08:45AM 11:55AM F IT 128

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

**Instructor:** Staff

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32065** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW THTR 101

WEL 02/11/19 06/07/19 01:00PM 04:10PM F IT 128

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

**Instructor:** Staff

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32058** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 05:40PM MW IT 117

WEL 02/11/19 06/07/19 06:00PM 09:10PM M IT 128

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

**Instructor:** Staff



## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32061** Last day to add: 02/22/19

WE	02/11/19	06/07/19	04:15PM	05:40PM	MW	IT 117
WEL	02/11/19	06/07/19	06:00PM	09:10PM	W	IT 128

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

**Instructor:** Staff

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32059** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	07:25PM	MW	STEM 201
WEL	02/11/19	06/07/19	06:00PM	09:10PM	T	IT 128

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

**Instructor:** Staff

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32062** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	07:25PM	MW	STEM 201
WEL	02/11/19	06/07/19	06:00PM	09:10PM	TH	IT 128

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

**Instructor:** Staff

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32832** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	09:10PM	W	ATEC 114
WEL	02/11/19	06/07/19	06:00PM	09:10PM	T	ST 203

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

**Instructor:** Staff

## BIO-1 General Biology

4 UNITS

**Prerequisite:** None.

Description: Introductory course designed for non-science majors that offers an integrated study of the basic principles of biology, with emphasis on the principles of structure and function, genetics, development, evolution, and ecology. Discussions on the philosophy, concepts, and implications of modern biology will be included. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory. (Letter Grade only)

**32833** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	09:10PM	W	ATEC 114
WEL	02/11/19	06/07/19	06:00PM	09:10PM	TH	ST 203

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

**Instructor:** Staff

## BIO-1H Honors General Biology

4 UNITS

**Prerequisite:** None. Limitation on enrollment: Enrollment in the Honors program

Description: The course is designed for the non-science major. Students will explore the basic principles of biology, with particular emphasis on the molecular and cellular basis of life as well as genetics, development, evolution and ecology. Discussions on the philosophy, unifying concepts and applications/implications of biology will be included. The Honors course offers an enriched experience for accelerated students through smaller class size; a focus on the evidentiary basis of biological models; and the application of higher level critical thinking skills. Moreover, a thematic/concept-based approach to the course material will be used rather than the traditional topic-based, survey format. The laboratory component will involve completion of directed research projects that culminate in the submission and presentation of research papers, oral presentations and/or poster presentations in the appropriate scientific format. Students may not receive credit for both BIO-1 and BIO-1H. 54 hours lecture and 54 hours laboratory.

**32067** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:40AM	11:05AM	TTH	IT 208
WEL	02/11/19	06/07/19	02:00PM	05:10PM	TH	ST 203

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

**Instructor:** Staff

## BIO-3 Field Botany

4 UNITS

**Prerequisite:** None

Description: Introduction to the classification of native and introduced plants with special emphasis on identification of species. Several field trips. 54 hours lecture and 54 hours laboratory.

**32068** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:15AM	12:40PM	TTH	IT 128
WEL	02/11/19	06/07/19	08:00AM	11:10AM	TH	IT 128

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

**Instructor:** Staff



## BIO-4 Human Biology (formerly Bio-17) 4 UNITS

**Prerequisite:** None

Description: A non-major introductory course in biology which offers an integrated study of the basic principles of biology as revealed in the human body. Emphasis is placed on cellular and system organization in relation to specific function and common disorders affecting the body; the interaction between the human body and its environment. Controversial, thought-provoking topics related to modern biology and medical advances involving genetic engineering will be included. This course satisfies district graduation and transfer requirements for a science lecture and laboratory course. 54 hours lecture and 54 hours laboratory.

**32843** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM TTH ST 207

WEL 02/11/19 06/07/19 02:30PM 03:55PM TH ST 207

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

**Instructor:** Staff

## BIO-10 Life Science Principles 3 UNITS

**Prerequisite:** None

Description: For non-life science majors. An introduction to the principles of life sciences through the study of basic biological concepts of living organisms involving structure, behavior, evolutionary relationships and the social and environmental implications of life science. No credit at the University of California if taken following BIO-1 or 1H. 54 hours lecture.

**32066** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW IT 110

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

**Instructor:** Staff

## BIO-16 Human Reproduction and Sexual Behavior (formerly Bio-30) 3 UNITS

**Prerequisite:** None.

Description: Human anatomy, physiology and behavior as related to sexual reproduction, including discussion of fertilization, pregnancy, childbirth and birth control. Consideration also will be given to homosexuality, sexually transmitted disease, sex education, and sexual intercourse and response. 54 hours lecture. (Letter Grade only)

**32840** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW ATEC 114

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

**Instructor:** Staff

## BIO-18 Human Genetics (formerly Bio-34) 3 UNITS

**Prerequisite:** None

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

Description: A general education course for non-biology majors and allied health students who are interested in the underlying mechanisms of human heredity. Emphasis will be given to the role of genetics and environment on cells, individuals, family and human populations. Discussion on human genetic disorders and the social implications of modern human genetics will be included. 54 hours lecture.

**32841** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH STEM 201

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

**Instructor:** Staff

## BIO-19 Environmental Science (formerly Bio-36) 3 UNITS

**Prerequisite:** None

Description: A study of humans in relation to the environment that emphasizes population ecology, nutrient cycles and energy flow, pollution, food production, and conservation of natural resources. 54 hours lecture.

**32842** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 11:10AM T IT 128

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

**Instructor:** Staff

## BIO-45 Survey of Human Anatomy and Physiology (formerly Amy-10) 3 UNITS

**Prerequisite:** None

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

**32844** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 05:40PM MW IT 101

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

**Instructor:** Staff

## BIO-50A Anatomy and Physiology I (formerly Amy-2a) 4 UNITS

**Prerequisite:** BIO-1 or BIO-1H or BIO-4 or BIO-55 or BIO-60 or BIO-60H

Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

**32846** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 04:05PM T HUM 201

WEL 02/11/19 06/07/19 09:30AM 12:40PM TTH ST 211

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

**Instructor:** Staff

## BIO-50A Anatomy and Physiology I (formerly Amy-2a) 4 UNITS

**Prerequisite:** BIO-1 or BIO-1H or BIO-4 or BIO-55 or BIO-60 or BIO-60H

Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

**32845** Last day to add: 02/22/19

WE 02/11/19 06/07/19 05:15PM 06:05PM T ST 207

WE2 02/11/19 06/07/19 05:15PM 06:20PM TH ST 207

WEL 02/11/19 06/07/19 06:30PM 09:40PM TTH ST 207

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

**Instructor:** Staff



## BIO-50A Anatomy and Physiology I (formerly Amy-2a) 4 UNITS

**Prerequisite:** BIO-1 or BIO-1H or BIO-4 or BIO-55 or BIO-60 or BIO-60H

Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

**32847** Last day to add: 02/22/19

WE	02/11/19	06/07/19	05:30PM	06:20PM	T	ST 211
WE2	02/11/19	06/07/19	05:30PM	06:35PM	TH	ST 211
WEL	02/11/19	06/07/19	02:00PM	05:10PM	TTH	ST 211

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

**Instructor:** Staff

## BIO-50B Anatomy and Physiology II (formerly Amy-2b) 4 UNITS

**Prerequisite:** BIO-50A

Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

**32848** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:30AM	12:20PM	T	IT 101
WE2	02/11/19	06/07/19	11:30AM	12:35PM	TH	IT 101
WEL	02/11/19	06/07/19	08:00AM	11:10AM	TTH	ST 207

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

**Instructor:** Staff

## BIO-50B Anatomy and Physiology II (formerly Amy-2b) 4 UNITS

**Prerequisite:** BIO-50A

Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

**32849** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:30AM	12:20PM	T	IT 101
WE2	02/11/19	06/07/19	11:30AM	12:35PM	TH	IT 101
WEL	02/11/19	06/07/19	08:00AM	11:10AM	MW	ST 207

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

**Instructor:** Staff

## BIO-50B Anatomy and Physiology II (formerly Amy-2b) 4 UNITS

**Prerequisite:** BIO-50A

Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

**32852** Last day to add: 02/22/19

WE	02/11/19	06/07/19	12:00PM	12:50PM	M	ST 207
WE2	02/11/19	06/07/19	12:00PM	01:05PM	W	ST 207
WEL	02/11/19	06/07/19	01:15PM	04:25PM	MW	ST 207

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

**Instructor:** Staff

## BIO-50B Anatomy and Physiology II (formerly Amy-2b) 4 UNITS

**Prerequisite:** BIO-50A

Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

**32850** Last day to add: 02/22/19

WE	02/11/19	06/07/19	04:15PM	05:05PM	M	ATEC 114
WE2	02/11/19	06/07/19	04:15PM	05:20PM	W	ATEC 114
WEL	02/11/19	06/07/19	12:45PM	03:55PM	MW	ST 211

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

**Instructor:** Staff

## BIO-50B Anatomy and Physiology II (formerly Amy-2b) 4 UNITS

**Prerequisite:** BIO-50A

Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

**32851** Last day to add: 02/22/19

WE	02/11/19	06/07/19	04:15PM	05:05PM	M	ATEC 114
WE2	02/11/19	06/07/19	04:15PM	05:20PM	W	ATEC 114
WEL	02/11/19	06/07/19	06:00PM	09:10PM	MW	ST 211

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

**Instructor:** Staff





## BIO-50B Anatomy and Physiology II (formerly Amy-2b) 4 UNITS

**Prerequisite:** BIO-50A

Description: First of a two course sequence that introduces students to the basic concepts and principles of anatomy and physiology. This course will provide a foundation for advanced study of the human body. The course covers body orientation and organization, cells and tissues, the skeletal and muscular systems, and the eye and ear. Designed to meet the prerequisites for professional programs, e.g. nursing, dental hygiene, and physical therapy. 36 hours lecture and 108 hours laboratory.

**32853** Last day to add: 02/22/19

WE	02/11/19	06/07/19	05:15PM	06:05PM	T	ST 211
WE2	02/11/19	06/07/19	05:15PM	06:20PM	TH	ST 211
WEL	02/11/19	06/07/19	06:30PM	09:40PM	TTH	ST 211

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

**Instructor:** Staff

## BIO-55 Microbiology (formerly Mic-1) 4 UNITS

**Prerequisite:** CHE-2A or CHE-2B, and BIO-1 or BIO-1H or BIO-50A or BIO-60 or BIO-60H

Description: General characteristics of microorganisms with emphasis on morphology, growth, control, metabolism and reproduction; their role in disease, body defenses, and application to the biomedical field. 54 hours lecture and 54 hours laboratory.

**32857** Last day to add: 02/22/19

WE	02/11/19	06/07/19	08:00AM	09:25AM	MW	ST 211
WEL	02/11/19	06/07/19	09:40AM	12:50PM	M	ST 203

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

**Instructor:** Staff

## BIO-55 Microbiology (formerly Mic-1) 4 UNITS

**Prerequisite:** CHE-2A or CHE-2B, and BIO-1 or BIO-1H or BIO-50A or BIO-60 or BIO-60H

Description: General characteristics of microorganisms with emphasis on morphology, growth, control, metabolism and reproduction; their role in disease, body defenses, and application to the biomedical field. 54 hours lecture and 54 hours laboratory.

**32858** Last day to add: 02/22/19

WE	02/11/19	06/07/19	08:00AM	09:25AM	MW	ST 211
WEL	02/11/19	06/07/19	09:40AM	12:50PM	W	ST 203

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

**Instructor:** Staff

## BIO-55 Microbiology (formerly Mic-1) 4 UNITS

**Prerequisite:** CHE-2A or CHE-2B, and BIO-1 or BIO-1H or BIO-50A or BIO-60 or BIO-60H

Description: General characteristics of microorganisms with emphasis on morphology, growth, control, metabolism and reproduction; their role in disease, body defenses, and application to the biomedical field. 54 hours lecture and 54 hours laboratory.

**32854** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	07:25PM	MW	IT 117
WEL	02/11/19	06/07/19	04:15PM	05:40PM	MW	ST 203

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

**Instructor:** Staff

## BIO-55 Microbiology (formerly Mic-1) 4 UNITS

**Prerequisite:** CHE-2A or CHE-2B, and BIO-1 or BIO-1H or BIO-50A or BIO-60 or BIO-60H

Description: General characteristics of microorganisms with emphasis on morphology, growth, control, metabolism and reproduction; their role in disease, body defenses, and application to the biomedical field. 54 hours lecture and 54 hours laboratory.

**32855** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	07:35PM	MW	IT 117
WEL	02/11/19	06/07/19	07:45PM	09:10PM	MW	ST 203

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

**Instructor:** Staff

## BIO-60 Introduction to Molecular and Cellular Biology (formerly Bio-11) 5 UNITS

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

Advisory: MAT-35, ENG-50, ENG-80 or qualifying placement level

Description: An intensive course for all Life Science majors designed to prepare the student for upper division courses in molecular biology, cell biology, developmental biology, evolution, and genetics. Course material includes principles of biochemistry, prokaryotic and eukaryotic cell structure and function, metabolism including photosynthesis and respiration, cell division and its control, classical and molecular genetics, signal transduction, early animal development, evolution and the diversity of life at the cellular level. 72 hours lecture and 54 hours laboratory.

**32838** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:45AM	11:50AM	MW	ST 211
WEL	02/11/19	06/07/19	02:00PM	05:10PM	T	ST 203

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

**Instructor:** Staff

## BIO-61 Introduction to Organismal and Population Biology (formerly Bio-12) 5 UNITS

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

Description: An intensive course designed for all Life Science majors to prepare the student for upper division courses in organismal and population biology. Course materials include plant structure and function, animal systems and behavior, ecological diversity and dynamics, and evolutionary theory, including population genetics. This course along with Biology 11 is intended to fulfill a year of transferable lower division general biology. Some field trips are required. 72 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32839** Last day to add: 02/22/19

WE	02/11/19	06/07/19	04:15PM	06:20PM	MW	HUM 102
WEL	02/11/19	06/07/19	02:30PM	03:55PM	MW	IT 128

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

**Instructor:** Staff



## BUSINESS ADMINISTRATION

### BUS-10 Introduction to Business 3 UNITS

**Prerequisite:** None.

Description: Scope, function and organization of contemporary business; fundamentals, concepts, principles, and current practices in the major areas of business activity with an integrated global perspective. 54 hours lecture. (Letter Grade only)

**32076** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** G Zwart

### BUS-10 Introduction to Business 3 UNITS

**Prerequisite:** None.

Description: Scope, function and organization of contemporary business; fundamentals, concepts, principles, and current practices in the major areas of business activity with an integrated global perspective. 54 hours lecture. (Letter Grade only)

**32077** Last day to add: 02/19/19

OL 02/11/19 04/05/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** G Zwart

### BUS-10 Introduction to Business 3 UNITS

**Prerequisite:** None.

Description: Scope, function and organization of contemporary business; fundamentals, concepts, principles, and current practices in the major areas of business activity with an integrated global perspective. 54 hours lecture. (Letter Grade only)

**32078** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** V Mixson

### 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)

**32072** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:35AM 09:00AM MW ATEC 210

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

**Instructor:** A Martin

### BUS-10 Introduction to Business 3 UNITS

**Prerequisite:** None.

Description: Scope, function and organization of contemporary business; fundamentals, concepts, principles, and current practices in the major areas of business activity with an integrated global perspective. 54 hours lecture. (Letter Grade only)

**32073** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH

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

**Instructor:** L White

### BUS-10 Introduction to Business 3 UNITS

**Prerequisite:** None.

Description: Scope, function and organization of contemporary business; fundamentals, concepts, principles, and current practices in the major areas of business activity with an integrated global perspective. 54 hours lecture. (Letter Grade only)

**32074** Last day to add: 02/17/19

HYB 02/13/19 04/03/19 06:00PM 09:10PM W IT 123

HYBO 02/13/19 04/03/19 ON LINE

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

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

**Instructor:** Staff

### BUS-10 Introduction to Business 3 UNITS

**Prerequisite:** None.

Description: Scope, function and organization of contemporary business; fundamentals, concepts, principles, and current practices in the major areas of business activity with an integrated global perspective. 54 hours lecture. (Letter Grade only)

**32075** Last day to add: 04/21/19

HYB 04/17/19 06/05/19 06:00PM 09:10PM W IT 123

HYBO 04/17/19 06/05/19 ON LINE

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

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

**Instructor:** Staff

### BUS-14 Social Media and Online Marketing for Entrepreneurs 3 UNITS

**Prerequisite:** None

Description: This course introduces social media and online marketing tools for small businesses. Topics include social networking, online marketing channels, and creating an online presence for small businesses. 54 hours lecture.

**32079** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T STEM 301

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

**Instructor:** A Martin



## BUS-18A Business Law I

3 UNITS

**Prerequisite:** None

Description: The social and practical basis of the law. Covers the legal and ethical environment of business, contracts, agency and employment, and the law of sales. 54 hours lecture.

**32080** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** S Johnson

## BUS-18A Business Law I

3 UNITS

**Prerequisite:** None

Description: The social and practical basis of the law. Covers the legal and ethical environment of business, contracts, agency and employment, and the law of sales. 54 hours lecture.

**32083** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** C Pentis

## BUS-18A Business Law I

3 UNITS

**Prerequisite:** None

Description: The social and practical basis of the law. Covers the legal and ethical environment of business, contracts, agency and employment, and the law of sales. 54 hours lecture.

**32084** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

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

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

**Instructor:** Staff

## BUS-18A Business Law I

3 UNITS

**Prerequisite:** None

Description: The social and practical basis of the law. Covers the legal and ethical environment of business, contracts, agency and employment, and the law of sales. 54 hours lecture.

**32082** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH HUM 111

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

**Instructor:** S Johnson

## BUS-18A Business Law I

3 UNITS

**Prerequisite:** None

Description: The social and practical basis of the law. Covers the legal and ethical environment of business, contracts, agency and employment, and the law of sales. 54 hours lecture.

**32081** Last day to add: 02/17/19

HYB 02/13/19 04/03/19 04:15PM 07:25PM W IT 108

HYBO 02/13/19 04/03/19 ON LINE

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

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

**Instructor:** T Wagner

## BUS-18B Business Law II

3 UNITS

**Prerequisite:** None

Description: Commercial paper, secured transactions, bankruptcy, agency and employment, business organizations, governmental regulations, international law, real and personal property and trusts and estates. 54 hours lecture.

**32085** Last day to add: 04/21/19

HYB 04/17/19 06/05/19 04:15PM 07:25PM W IT 108

HYBO 04/17/19 06/05/19 ON LINE

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

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

**Instructor:** T Wagner

## BUS-20 Business Mathematics

3 UNITS

**Prerequisite:** None

Description: An introduction to quantitative approaches for solving common business problems using general mathematics and first degree equations. Includes the development and solution of problems in the areas of business statistics, trade and cash discounts, markups and markdowns, perishables, payroll, taxes, simple interest, promissory notes, compound interest, present and future value, annuities and sinking funds, installment buying and credit cards, home ownership costs, insurance, stocks and bonds, mutual funds, financial reports, depreciation, inventory, and overhead. 54 hours lecture.

**32088** Last day to add: 02/19/19

OL 02/11/19 04/05/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** P Worsham

## BUS-20 Business Mathematics

3 UNITS

**Prerequisite:** None

Description: An introduction to quantitative approaches for solving common business problems using general mathematics and first degree equations. Includes the development and solution of problems in the areas of business statistics, trade and cash discounts, markups and markdowns, perishables, payroll, taxes, simple interest, promissory notes, compound interest, present and future value, annuities and sinking funds, installment buying and credit cards, home ownership costs, insurance, stocks and bonds, mutual funds, financial reports, depreciation, inventory, and overhead. 54 hours lecture.

**32089** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** P Worsham

## BUS-20 Business Mathematics

3 UNITS

**Prerequisite:** None

Description: An introduction to quantitative approaches for solving common business problems using general mathematics and first degree equations. Includes the development and solution of problems in the areas of business statistics, trade and cash discounts, markups and markdowns, perishables, payroll, taxes, simple interest, promissory notes, compound interest, present and future value, annuities and sinking funds, installment buying and credit cards, home ownership costs, insurance, stocks and bonds, mutual funds, financial reports, depreciation, inventory, and overhead. 54 hours lecture.

**32087** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM TTH ATEC 204

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

**Instructor:** Staff



## BUS-20 Business Mathematics

3 UNITS

**Prerequisite:** None

Description: An introduction to quantitative approaches for solving common business problems using general mathematics and first degree equations. Includes the development and solution of problems in the areas of business statistics, trade and cash discounts, markups and markdowns, perishables, payroll, taxes, simple interest, promissory notes, compound interest, present and future value, annuities and sinking funds, installment buying and credit cards, home ownership costs, insurance, stocks and bonds, mutual funds, financial reports, depreciation, inventory, and overhead. 54 hours lecture.

**32086** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 06:00PM 07:25PM TH IT 123

HYBO 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** E Doucette

## BUS-24 Business Communication

3 UNITS

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

Description: Applies the principles of ethical and effective communication to the creation of letters, memos, emails, and written and oral reports for a variety of business situations. The course emphasizes planning, organizing, composing and revising business documents using word processing software for written documents and presentation graphics software to create and deliver professional-level oral reports. Course is designed for students who have college-level writing skills. 54 hours lecture.

**32091** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM M IT 211

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

**Instructor:** E Doucette

## BUS-30 Entrepreneurship: Foundations and Fundamentals

3 UNITS

**Prerequisite:** None

Description: An introductory course designed to explore, identify and evaluate business opportunities with an emphasis on starting and managing a small or existing business: investigating tools and best practices associated with identifying and creating new venture opportunities; explore ways to shape and evaluate the viability of opportunities; understanding key industry factors, market, competitive factors, and customer needs.

**33006** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** A Martin

## BUS-47 Applied Business and Management Ethics

3 UNITS

**Prerequisite:** None

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

**32092** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** D Dokter

## BUS-80 Principles of Logistics

3 UNITS

**Prerequisite:** None

Description: An introduction to the management of business logistics functions including purchasing, inventory management, transportation, warehousing and their related technologies. Focus is on integration of logistics functions to improve overall supply chain customer service and cost performance. 54 hours lecture.

**32093** Last day to add: 02/19/19

OL 02/11/19 04/05/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** R Beck

## BUS-80 Principles of Logistics

3 UNITS

**Prerequisite:** None

Description: An introduction to the management of business logistics functions including purchasing, inventory management, transportation, warehousing and their related technologies. Focus is on integration of logistics functions to improve overall supply chain customer service and cost performance. 54 hours lecture.

**32094** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** R Beck

## BUS-85 Warehouse Management

3 UNITS

**Prerequisite:** None

Description: Introduction to an integrated logistics approach to warehouse management. Includes the role of warehousing within the supply chain, performance metrics, applicable leadership basics, how to interact with other logistics managers to optimize overall activity, as well as principles of warehouse location, design, layout, operating functions, and customer service. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32095** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 06:30PM 07:55PM T IT 111

HYBO 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** R Beck

## BUS-86 Transportation and Traffic Management

3 UNITS

**Prerequisite:** None

Description: A study of the freight transportation system including the demand for freight movement, laws, regulations, pricing, and policies, traffic management and international transportation issues. Focuses on how transportation collaborates with other supply chain functions to optimize cost and customer service. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32096** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** C Pentis



## BUS-87 Purchasing and Supply Management 3 UNITS

**Prerequisite:** None

Description: Study of the purchasing and supply manager's responsibilities including the identification, acquisition, positioning and management of materials, services and equipment that organizations needs to attain their goals. Emphasis is on decision making, integration with suppliers, critical internal relationships, and customer (end user) service. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32097** Last day to add: 02/19/19

OL 02/11/19 04/05/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** R Beck

## BUS-200 Business Admin Work Exp 1 UNIT

**Prerequisite:** None.

Advisory: Students should have paid or voluntary employment.

Description: Course is designed to coordinate the student's occupational on-the-job training with related classroom instruction.

**32760** Last day to add: 02/22/19

WRK 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture, students are required to attend an orientation at Norco College the first week of the semester, dates and times will be posted in Blackboard. Students must also meet on-campus for an instructor conference and for final exams. Please see Blackboard for specific dates and times.

**Instructor:** Staff

## COMPUTER APPLICATIONS/OFFICE

### CAT-1A Business Etiquette 1 UNIT

**Prerequisite:** None

Description: This course provides students with both the knowledge and the skills required to quickly apply business standards of acceptable behavior and etiquette to project a professional image. It addresses additional topics, such as financial planning, appropriate use of workplace technologies, and written business communications, that students need to know when transitioning from campus to the workplace. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32098** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** Staff

### CAT-31 Business Communications 3 UNITS

**Prerequisite:** None

Advisory: CAT-30

Description: This course is designed to teach the fundamentals of written and oral communications in business by providing specific practical applications. Emphasis will be on written and oral communications, stressing the most common forms of correspondence. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32099** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** Staff

### CAT-98A Introduction to Excel 1.50 UNITS

**Prerequisite:** None.

Description: Skill development in electronic spreadsheets using Excel for business and scientific related applications. 27 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

**32101** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

OLL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** B Fuller

### CAT-98B Advanced Excel 1.50 UNITS

**Prerequisite:** CAT/CIS-98A

Description: Advanced concepts of MS-Excel including managing large spreadsheets, creating and working with databases, creating and using templates, and macro creation. Spreadsheet manipulation with advanced macro techniques, customizing Excel screen and toolbars and solving problems with goal seeker and solver. 27 hours lecture and 18 hours of laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

**32103** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

OLL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** B Fuller

## CHEMISTRY

### CHE-1A General Chemistry, I 5 UNITS

**Prerequisite:** CHE-2A or CHE-3 and MAT-35

Description: The student will explore simple chemical systems, their properties and how they can be investigated and understood in terms of stoichiometry, gas laws, elementary thermodynamics, atomic structure and bonding. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1A and CHE-1AH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32108** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:35AM 09:00AM MW IT 128

WEL 02/11/19 06/07/19 11:00AM 02:10PM MW HUM 208

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

**Instructor:** Staff

### CHE-1A General Chemistry, I 5 UNITS

**Prerequisite:** CHE-2A or CHE-3 and MAT-35

Description: The student will explore simple chemical systems, their properties and how they can be investigated and understood in terms of stoichiometry, gas laws, elementary thermodynamics, atomic structure and bonding. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1A and CHE-1AH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32107** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:00AM 12:25PM MW STEM 302

WEL 02/11/19 06/07/19 07:30AM 10:40AM MW HUM 208

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

**Instructor:** Staff



## CHE-1A General Chemistry, I

5 UNITS

**Prerequisite:** CHE-2A or CHE-3 and MAT-35

Description: The student will explore simple chemical systems, their properties and how they can be investigated and understood in terms of stoichiometry, gas laws, elementary thermodynamics, atomic structure and bonding. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1A and CHE-1AH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32860** Last day to add: 02/22/19

WE	02/11/19	06/07/19	01:30PM	04:50PM	F	HUM 201
WEL	02/11/19	06/07/19	01:30PM	04:50PM	MW	HUM 208

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

**Instructor:** Staff

## CHE-1A General Chemistry, I

5 UNITS

**Prerequisite:** CHE-2A or CHE-3 and MAT-35

Description: The student will explore simple chemical systems, their properties and how they can be investigated and understood in terms of stoichiometry, gas laws, elementary thermodynamics, atomic structure and bonding. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1A and CHE-1AH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32859** Last day to add: 02/22/19

WE	02/11/19	06/07/19	04:10PM	05:35PM	MW	IT 211
WEL	02/11/19	06/07/19	06:30PM	09:40PM	MW	HUM 208

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

**Instructor:** Staff

## CHE-1B General Chemistry, II

5 UNITS

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

Description: Continued exploration of the principles of chemistry with emphasis on kinetics, thermodynamics, acid-base theory, equilibrium and electrochemistry. Special topics from descriptive inorganic chemistry, nuclear chemistry and introductory organic chemistry. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1B and CHE-1BH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32109** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:15AM	10:40AM	MW	ATEC 210
WEL	02/11/19	06/07/19	02:00PM	05:10PM	TTH	HUM 208

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

**Instructor:** Staff

## CHE-1B General Chemistry, II

5 UNITS

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

Description: Continued exploration of the principles of chemistry with emphasis on kinetics, thermodynamics, acid-base theory, equilibrium and electrochemistry. Special topics from descriptive inorganic chemistry, nuclear chemistry and introductory organic chemistry. Laboratory techniques in the investigation of chemical systems. Students may not receive credit for both CHE-1B and CHE-1BH. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32110** Last day to add: 02/22/19

WE	02/11/19	06/07/19	04:10PM	05:35PM	TTH	ATEC 114
WEL	02/11/19	06/07/19	06:00PM	09:10PM	TTH	HUM 208

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

**Instructor:** Staff

## CHE-2A Introductory Chemistry, I

4 UNITS

**Prerequisite:** MAT-52

Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32861** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:00AM	12:25PM	MW	IT 101
WEL	02/11/19	06/07/19	02:30PM	05:40PM	M	HUM 204

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

**Instructor:** Staff

## CHE-2A Introductory Chemistry, I

4 UNITS

**Prerequisite:** MAT-52

Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32862** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:00AM	12:25PM	MW	IT 101
WEL	02/11/19	06/07/19	02:30PM	05:40PM	W	HUM 204

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

**Instructor:** Staff

## CHE-2A Introductory Chemistry, I

4 UNITS

**Prerequisite:** MAT-52

Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32115** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:15AM	12:40PM	TTH	IT 117
WEL	02/11/19	06/07/19	02:00PM	05:10PM	T	HUM 204

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

**Instructor:** Staff

## CHE-2A Introductory Chemistry, I

4 UNITS

**Prerequisite:** MAT-52

Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32116** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:15AM	12:40PM	TTH	IT 117
WEL	02/11/19	06/07/19	02:00PM	05:10PM	TH	HUM 204

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

**Instructor:** Staff



## CHE-2A Introductory Chemistry, I

4 UNITS

**Prerequisite:** MAT-52

Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32113** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:30PM	03:55PM	MW	ATEC 114
WEL	02/11/19	06/07/19	09:15AM	12:25PM	M	HUM 204

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

**Instructor:** Staff

## CHE-2A Introductory Chemistry, I

4 UNITS

**Prerequisite:** MAT-52

Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32114** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:30PM	03:55PM	MW	ATEC 114
WEL	02/11/19	06/07/19	09:15AM	12:25PM	W	HUM 204

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

**Instructor:** Staff

## CHE-2A Introductory Chemistry, I

4 UNITS

**Prerequisite:** MAT-52

Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32111** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:30PM	03:55PM	TTH	IT 117
WEL	02/11/19	06/07/19	09:30AM	12:40PM	T	HUM 204

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

**Instructor:** Staff

## CHE-2A Introductory Chemistry, I

4 UNITS

**Prerequisite:** MAT-52

Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32112** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:30PM	03:55PM	TTH	IT 117
WEL	02/11/19	06/07/19	09:30AM	12:40PM	TH	HUM 204

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

**Instructor:** Staff

## CHE-2A Introductory Chemistry, I

4 UNITS

**Prerequisite:** MAT-52

Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32117** Last day to add: 02/22/19

WE	02/11/19	06/07/19	07:35PM	09:00PM	MW	IT 101
WEL	02/11/19	06/07/19	06:00PM	09:10PM	T	HUM 204

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

**Instructor:** Staff

## CHE-2A Introductory Chemistry, I

4 UNITS

**Prerequisite:** MAT-52

Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32118** Last day to add: 02/22/19

WE	02/11/19	06/07/19	07:35PM	09:00PM	MW	IT 101
WEL	02/11/19	06/07/19	06:00PM	09:10PM	TH	HUM 204

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

**Instructor:** Staff

## CHE-12A Organic Chemistry I

5 UNITS

**Prerequisite:** CHE-1B or CHE-1BH

Description: A discussion of aliphatic hydrocarbons that focuses on their structure, reactivity, methods of synthesis, physical properties, and reaction mechanisms. Laboratory work emphasizes techniques used to identify, separate, and purify substances. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32105** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:30PM	03:55PM	TTH	STEM 301
WEL	02/11/19	06/07/19	09:00AM	12:10PM	TTH	HUM 208

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

**Instructor:** Staff

## CHE-12B Organic Chemistry, II

5 UNITS

**Prerequisite:** CHE-12A

Description: Continues discussion based on the content of CHE12A. Develops a detailed study of nucleophilic and elimination reactions from a mechanistic viewpoint. Aliphatic and aromatic chemistry will be fully integrated throughout CHE-12B. Considerable emphasis on synthesis. Laboratory includes techniques of syntheses, separation, and identification of several compounds, and an introduction to qualitative organic analysis. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32106** Last day to add: 02/22/19

WE	02/11/19	06/07/19	04:15PM	05:40PM	MW	STEM 125
WEL	02/11/19	06/07/19	08:45AM	11:55AM	F	HUM 208
WEL2	02/11/19	06/07/19	01:00PM	04:10PM	F	HUM 208

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

**Instructor:** Staff

## 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.

**32128** Last day to add: 02/22/19

OL	02/11/19	06/07/19				ON LINE
OLL	02/11/19	06/07/19				ON LINE

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

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

**Instructor:** J Perry



## CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**32130** Last day to add: 02/22/19

OL	02/11/19	06/07/19	ON LINE
OLL	02/11/19	06/07/19	ON LINE

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

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

**Instructor:** J Perry

## CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**32132** Last day to add: 02/22/19

OL	02/11/19	06/07/19	ON LINE
OLL	02/11/19	06/07/19	ON LINE

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

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

**Instructor:** C Brotherton

## CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**32133** Last day to add: 02/22/19

OL	02/11/19	06/07/19	ON LINE
OLL	02/11/19	06/07/19	ON LINE

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

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

**Instructor:** C Brotherton

## CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**32126** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	08:00AM	09:25AM	T	ATEC 118
HYBO	02/11/19	06/07/19				ON LINE
HYBLO	02/11/19	06/07/19				ON LINE

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

See [www.opencampus.com](http://www.opencampus.com). Half of the lecture time and the designated 18-hour laboratory requirement is completed online.

**Instructor:** C Brotherton

## CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**32129** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	08:00AM	09:25AM	TH	ATEC 118
HYBO	02/11/19	06/07/19				ON LINE
HYBLO	02/11/19	06/07/19				ON LINE

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

See [www.opencampus.com](http://www.opencampus.com). Half of the lecture time and the designated 18-hour laboratory requirement is completed online.

**Instructor:** C Brotherton

## CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**32127** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	11:10AM	12:35PM	M	ATEC 118
HYBO	02/11/19	06/07/19				ON LINE
HYBLO	02/11/19	06/07/19				ON LINE

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

See [www.opencampus.com](http://www.opencampus.com). Half of the lecture time and the designated 18-hour laboratory requirement is completed online.

**Instructor:** J Coverdale

## CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**32131** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	11:10AM	12:35PM	W	ATEC 118
HYBO	02/11/19	06/07/19				ON LINE
HYBLO	02/11/19	06/07/19				ON LINE

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

See [www.opencampus.com](http://www.opencampus.com). Half of the lecture time and the designated 18-hour laboratory requirement is completed online.

**Instructor:** J Coverdale





## CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**32134** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	02:30PM	03:55PM	M	ATEC 118
HYBO	02/11/19	06/07/19				ON LINE
HYBLO	02/11/19	06/07/19				ON LINE

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

See [www.opencampus.com](http://www.opencampus.com). Half of the lecture time and the designated 18-hour laboratory requirement is completed online.

**Instructor:** J Coverdale

## CIS-1A Intro to Comp Info Sys

3 UNITS

**Prerequisite:** None.

Description: An introduction to computer concepts and theory, information systems, and computer applications. The development of computer based solutions to business problems using word processors, spreadsheets, databases, presentation graphics, and the Internet.

**32135** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	02:30PM	03:55PM	T	ATEC 118
HYBO	02/11/19	06/07/19				ON LINE
HYBLO	02/11/19	06/07/19				ON LINE

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

See [www.opencampus.com](http://www.opencampus.com). Half of the lecture time and the designated 18-hour laboratory requirement is completed online.

**Instructor:** Staff

## 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.

**32896** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	02:30PM	03:55PM	TH	ATEC 118
HYBO	02/11/19	06/07/19				ON LINE
HYBLO	02/11/19	06/07/19				ON LINE

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

See [www.opencampus.com](http://www.opencampus.com). Half of the lecture time and the designated 18-hour laboratory requirement is completed online.

**Instructor:** Staff

## CIS-2 Fundamentals of Systems Analysis

3 UNITS

**Prerequisite:** None

Description: The course presents a systematic methodology for analyzing a business problem or opportunity, determining what role, if any, computer-based technologies can play in addressing the business need, articulating business requirements for the technology solution, specifying alternative approaches to acquiring the technology capabilities needed to address the business requirements, and specifying the requirements for the information systems solution in particular, in-house development, development from third-party providers, or purchased commercial-off-the-shelf packages. 54 hours lecture and 18 hours laboratory.(TBA option) (Letter Grade, or Pass/No Pass option.)

**32136** Last day to add: 02/22/19

LEC	02/11/19	06/07/19	05:50PM	09:00PM	M	ATEC 118
LAB	02/11/19	06/07/19	09:10PM	10:00PM	M	ATEC 118

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

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

**Instructor:** Staff

## 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.

**32139** Last day to add: 02/22/19

HYBO	02/11/19	06/07/19				ON LINE
HYBL	02/11/19	06/07/19	09:40AM	12:40PM	T	STEM 115

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

See [www.opencampus.com](http://www.opencampus.com). The designated 54-hour lecture requirement is completed online.

**Instructor:** J Perry

## CIS-5 Programming Concepts and Methodology I: C++ 4 UNITS

**Prerequisite:** None

Advisory: CIS-1A

Description: Introduction to the discipline of computer science incorporating problem definitions, algorithm development, and structured programming logic for business, scientific and mathematical applications. The C++ language will be used for programming problems. 54 hours lecture and 54 hours laboratory.

**32140** Last day to add: 02/22/19

OL	02/11/19	06/07/19				ON LINE
OLL	02/11/19	06/07/19				ON LINE

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

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

**Instructor:** J Perry



## CIS-5 Programming Concepts and Methodology I: C++ 4 UNITS

**Prerequisite:** None

**Advisory:** CIS-1A

Description: Introduction to the discipline of computer science incorporating problem definitions, algorithm development, and structured programming logic for business, scientific and mathematical applications. The C++ language will be used for programming problems. 54 hours lecture and 54 hours laboratory.

**32141** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

OLL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** Staff

## CIS-11 Computer Architecture and Organization: Assembly 3 UNITS

**Prerequisite:** None

**Advisory:** CIS/CSC-5

Description: An introduction to microprocessor architecture and assembly language programming. The relationship between hardware and software will be examined in order to understand the interaction between a program and the total system. Mapping of statements and constructs in a high-level language onto sequences of machine instructions is studied as well as the internal representation of simple data types and structures. Numerical computation is performed, noting the various data representation errors and potential procedural errors. 54 hours lecture and 18 hours laboratory.(TBA option)

**32119** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:55AM 11:00AM M ATEC 118

WE2 02/11/19 06/07/19 08:55AM 10:00AM W ATEC 118

WEL 02/11/19 06/07/19 10:10AM 11:00AM W ATEC 118

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

**Instructor:** Staff

## CIS-14A Web Programming: JavaScript 3 UNITS

**Prerequisite:** None

**Advisory:** Previous programming experience and knowledge of HTML, CSC/CIS-5 and CIS-72A

Description: Fundamentals of JavaScript programming for the world wide web for students already familiar with the fundamentals of programming and HTML. Language features will include control structures, functions, arrays, JavaScript objects, browser objects and events. Web applications will include image rollovers, user interactivity, manipulating browser windows, form validation and processing, cookies, creating dynamic content, and Dynamic HTML programming. 54 hours lecture and 18 hours laboratory. (TBA Option) (Letter Grade, or Pass/No Pass option.)

**32120** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 07:25PM M STEM 125

WE2 02/11/19 06/07/19 07:00PM 08:25PM W STEM 125

WEL 02/11/19 06/07/19 07:35PM 08:25PM M STEM 125

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

**Instructor:** J Molin

## 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)

**32122** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

OLL 02/11/19 06/07/19 ON LINE

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

**Instructor:** T Pryor

## CIS-17A Programming Concepts and Methodology II: C++3 UNITS

**Prerequisite:** CIS/CSC-5

Description: The application of software engineering techniques to the design and development of large programs; data abstraction, structures, and associated algorithms. A comprehensive study of the syntax and semantics of the C++ language and the methodology of Object-Oriented program development. 54 hours lecture and 18 hours laboratory. (TBA option)

**32121** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM MW IT 127

WEL 02/11/19 06/07/19 10:00AM 11:00AM M IT 127

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

**Instructor:** A Rainey

## CIS-17C C++ Programming: Data Structures 3 UNITS

**Prerequisite:** None

**Advisory:** CIS/CSC-17A

Description: This course offers a thorough presentation of the essential principles and practices of data structures using the C++ programming language. The course emphasizes abstract data types, software engineering principles, lists, stacks, queues, trees, graphs, and the comparative analysis of algorithms. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

**32124** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 06:00PM 09:10PM W ATEC 118

HYBLO 02/11/19 06/07/19 ON LINE

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

See [www.opencampus.com](http://www.opencampus.com). The designated 18-hour laboratory requirement is completed online.

**Instructor:** J Wilson

## CIS-18A Java Programming: Objects 3 UNITS

**Prerequisite:** None

**Advisory:** CIS/CSC-5

Description: An introduction to Java programming for students already experienced in the fundamentals of programming. An emphasis will be placed upon object-oriented programming. Other topics include graphical interface design and typical swing GUI components. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

**32885** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 06:00PM 09:10PM TH ATEC 118

HYBLO 02/11/19 06/07/19 ON LINE

**Instructor:** J Oconnor



## CIS-18C Java Programming: Data Structures

3 UNITS

**Prerequisite:** None

**Advisory:** CIS/CSC-18A

Description: This course is designed to be an advanced Java programming course for students familiar with object-oriented programming and database concepts. The major emphasis will be related to concepts of storing and retrieving data efficiently, which are the essential principles, and practices of data structures. 54 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

**32880** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 06:00PM 09:10PM T ATEC 118

HYBLO 02/11/19 06/07/19 ON LINE

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

See [www.opencampus.com](http://www.opencampus.com). The designated 18-hour laboratory requirement is completed online.

**Instructor:** J Oconnor

## CIS-21 Introduction to Operating Systems

3 UNITS

**Prerequisite:** CIS-1A

Description: An introduction to operating system concepts, structure, functions, performance, and management is covered. A current operating system, such as Windows, Linux, or UNIX is used as a case study. File multi-processing, system security, device management, network operating systems, and utilities are introduced. 54 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

**32137** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:50PM 08:15PM TTH STEM 115

WEL 02/11/19 06/07/19 08:25PM 09:15PM TH STEM 115

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

**Instructor:** Staff

## CIS-78B Advanced Adobe Photoshop

3 UNITS

**Prerequisite:** CIS-78A or CAT-78B

Description: Advanced techniques and methods for using Adobe PhotoShop to produce custom graphic solutions. Focus on real-world projects, workflow foundations, adjusting and optimizing images, and tips and tricks for enhanced image creation. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

**32142** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:45AM T ATEC 118

WE2 02/11/19 06/07/19 09:40AM 10:45AM TH ATEC 118

WEL 02/11/19 06/07/19 10:55AM 11:45AM TH ATEC 118

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

**Instructor:** Staff

## CIS-98A Introduction to Excel

1.50 UNITS

**Prerequisite:** None.

Description: An introduction to electronic spreadsheets using Excel. (Same as CAT-98A)

**32143** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

OLL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** B Fuller

## CIS-98B Advanced Excel

1.50 UNITS

**Prerequisite:** CAT/CIS-98A

Description: Advanced concepts of MS-Excel including managing large spreadsheets, creating and working with databases, creating and using templates, and macro creation. Spreadsheet manipulation

**32146** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

OLL 02/11/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). All hours, including the 18-hour laboratory requirement, are completed online. Please note the start and end dates.

**Instructor:** B Fuller

## COMMUNICATION STUDIES

### COM-1 Public Speaking

3 UNITS

**Prerequisite:** None

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

Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32151** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT 210

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

**Instructor:** Staff

### 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.)

**32152** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 09:15AM 10:40AM MW IT 210

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

**Instructor:** M Lewis



## COM-1 Public Speaking

3 UNITS

**Prerequisite:** None

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

Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32154** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 09:40AM 11:00AM TTH IT 210

**Instructor:** M Lewis

## COM-1 Public Speaking

3 UNITS

**Prerequisite:** None

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

Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32147** Last day to add: 03/05/19

WE 02/22/19 06/07/19 10:45AM 01:55PM F IT 210

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

**Instructor:** Staff

## 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.)

**32153** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM MW IT 210

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

**Instructor:** M Lewis

## COM-1 Public Speaking

3 UNITS

**Prerequisite:** None

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

Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32781** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 11:15AM 12:40PM TTH IT 210

**Instructor:** M Lewis

## COM-1 Public Speaking

3 UNITS

**Prerequisite:** None

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

Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32149** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW IT 211

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

**Instructor:** D Romo

## COM-1 Public Speaking

3 UNITS

**Prerequisite:** None

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

Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32148** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM TTH IT 210

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

**Instructor:** Staff



## 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.)

**32156** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM TTH IT 210

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

**Instructor:** Staff

## 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.)

**32155** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM M IT 210

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

**Instructor:** L Tat

## COM-1 Public Speaking

3 UNITS

**Prerequisite:** None

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

Description: Prepares students to compose (develop outlines and research) and present a minimum of four speeches, including informative and persuasive presentations in front of a live audience. Emphasis will include: different purposes of speaking, types of speeches and organizational patterns, topic choice and audience adaptation, rhetorical principles, development and support of sound reasoning and argument, theories of persuasion, application of ethics in public speaking, listening skills, and theory and principles of effective delivery. Students will speak formally for a minimum of 20 total semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32150** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:30PM 09:40PM W WEQW6

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

**Instructor:** G Stinson

## 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.)

**32782** Last day to add: 03/05/19

WE 02/22/19 06/07/19 07:25PM 10:35PM F IT 210

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

**Instructor:** Staff

## COM-3 Argumentation and Debate

3 UNITS

**Prerequisite:** None

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

Description: Covers theoretical underpinnings of argumentation and debate including a systematic approach to the process of debate, theories of argumentation as related to topic analysis, research, case construction, rebuttals, cross-examination, utilization of sound reasoning, and the importance of ethical behavior in debate. Focus is on effective delivery of verbal and nonverbal communication as well as effective listening. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32161** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM MW IT 111

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

**Instructor:** D Romo

## COM-3 Argumentation and Debate

3 UNITS

**Prerequisite:** None

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

Description: Covers theoretical underpinnings of argumentation and debate including a systematic approach to the process of debate, theories of argumentation as related to topic analysis, research, case construction, rebuttals, cross-examination, utilization of sound reasoning, and the importance of ethical behavior in debate. Focus is on effective delivery of verbal and nonverbal communication as well as effective listening. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32160** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW IT 108

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

**Instructor:** D Romo

## COM-3 Argumentation and Debate

3 UNITS

**Prerequisite:** None

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

Description: Covers theoretical underpinnings of argumentation and debate including a systematic approach to the process of debate, theories of argumentation as related to topic analysis, research, case construction, rebuttals, cross-examination, utilization of sound reasoning, and the importance of ethical behavior in debate. Focus is on effective delivery of verbal and nonverbal communication as well as effective listening. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32787** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM TH IT 210

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

**Instructor:** Staff



## COM-6 Dynamics of Small Group Communication 3 UNITS

**Prerequisite:** None

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

**Description:** Provides an introduction to the dynamics of communication in purposeful small groups (i.e. problem-solving). Theoretical knowledge of small group communication becomes the basis for the practical application of group development, problem-solving, decision-making, discussion, interaction and presentation. Develops student competence and confidence as a group member and leader. Oral group presentations required. Students will speak formally as part of a group for a minimum of 20 semester minutes. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32786** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T IT 210

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

**Instructor:** L Tat

## COM-7 Oral Interpretation of Literature 3 UNITS

**Prerequisite:** None

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

**Description:** Preparation and presentation of interpreting literature (prose, poetry and drama). Principles and techniques of interpreting the printed page are related to preparing and presenting an oral interpretation of literature for an audience. Provides opportunities for cultural enrichment, literary analysis, creative outlet, articulate expression and improved speaking ability. Oral presentations required. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32162** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW IT 108

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

**Instructor:** A Tufano

## COM-9 Interpersonal Communication 3 UNITS

**Prerequisite:** None

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

**Description:** Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32164** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 07:35AM 09:00AM MW IT 210

**Instructor:** M Lewis

## 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.)

**32174** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT 123

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

**Instructor:** M Lewis

## 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.)

**32165** Last day to add: 03/06/19

WE 02/23/19 06/01/19 08:00AM 11:35AM S IT 210

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

**Instructor:** Staff

## COM-9 Interpersonal Communication 3 UNITS

**Prerequisite:** None

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

**Description:** Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32173** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 09:40AM 11:05AM TTH IT 108

**Instructor:** A Olaerts

## COM-9 Interpersonal Communication 3 UNITS

**Prerequisite:** None

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

**Description:** Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32167** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 11:15AM 12:40PM TTH IT 109

**Instructor:** A Olaerts

## COM-9 Interpersonal Communication 3 UNITS

**Prerequisite:** None

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

**Description:** Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32175** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 12:30PM 01:55PM MW CRC CRCL

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

**Instructor:** Staff



## COM-9 Interpersonal Communication

3 UNITS

**Prerequisite:** None

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

Description: Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32176** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 12:30PM 01:55PM TTH CRC CRCU

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

**Instructor:** Staff

## 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.)

**32172** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW IT 210

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

**Instructor:** R Stinson

## COM-9 Interpersonal Communication

3 UNITS

**Prerequisite:** None

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

Description: Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32166** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW IT 210

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

**Instructor:** R Stinson

## COM-9 Interpersonal Communication

3 UNITS

**Prerequisite:** None

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

Description: Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32171** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 02:30PM 03:55PM T IT 211

HYBO 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** J Muto

## 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.)

**32163** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM MW IT 210

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

**Instructor:** R Stinson

## COM-9 Interpersonal Communication

3 UNITS

**Prerequisite:** None

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

Description: Analyzes the dynamics of the two-person communication process in relationships. Students study values, communication models, listening, verbal and nonverbal communication, perception, self-concept, self-disclosure, management of emotions, relationship theories and conflict management. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32168** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 04:10PM 05:35PM T IT 211

HYBO 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** J Muto

## 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.)

**32170** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM W IT 210

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

**Instructor:** Staff

## 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.)

**32169** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:30PM 09:40PM TH WEQ W6B

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

**Instructor:** L Tat



## COM-12 Intercultural Communication

3 UNITS

**Prerequisite:** None

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

Description: This course provides an introduction to the factors affecting intercultural communication. This course focuses on the communication behaviors and values common to all cultures and ethnic groups, as well as the differences that may insulate and divide people. Students will examine influences on the communication process, including aspects such as stereotyping, gender roles, values, beliefs, verbal and nonverbal communication patterns, conflict styles and much more. Students will learn to overcome the communication problems that may result when members of other cultures and/or ethnic groups communicate by evaluating their own intercultural communication patterns and learning skills to increase their effectiveness. 54 hours lecture. (Letter Grade or Pass/No Pass option)

**32157** Last day to add: 02/19/19

OL 02/11/19 04/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** A Olaerts

## COM-13 Gender and Communication

3 UNITS

**Prerequisite:** None

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

Description: A study of theories that address communication styles including similarities and differences between masculine and feminine gender types. Integrates theories to heighten students' awareness of the importance of gender as a communication variable. Theoretical approaches to the development of gender are discussed. Gender communication issues are addressed with an emphasis on listening, perception, verbal, nonverbal communication, and conflict management in interpersonal, small group and various other contexts. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32158** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 05:40PM TH IT 211

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

**Instructor:** J Muto

## COM-20 Introduction to Communication Theory

3 UNITS

**Prerequisite:** None

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

Description: A survey of the discipline of communication studies with emphasis on multiple epistemological, theoretical, and methodological issues relevant to the systematic inquiry and pursuit of knowledge about human communication. This course explores the basic history, assumptions, principles, processes, variables, methods, and specializations of human communication as an academic field of study. 54 hours lecture. (Letter Grade, or Pass/No Pass Option)

**32159** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

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

**Instructor:** J Muto

## 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.

**32773** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:30PM 09:40PM T IT 123

**Instructor:** J Thomas

### CON-62 Blueprint Reading

3 UNITS

**Prerequisite:** None.

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

**32178** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 03:15PM 04:40PM TTH IT 123

**Instructor:** J Thomas

### CON-62 Blueprint Reading

3 UNITS

**Prerequisite:** None.

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

**32177** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:00PM 09:10PM M IT 122

**Instructor:** R Skaggs

### CON-63A Uniform Bldg Code/Ordin

3 UNITS

**Prerequisite:** None.

Description: Use of uniform building code in plan checking for compliance.

**32179** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:30PM 09:40PM W IT 122

**Instructor:** J Thomas

### CON-63B Analysis of Revisions to the Uniform Building Code

3 UNITS

**Prerequisite:** CON-63A

Description: An analysis which discusses the changes, amendments and the intent of the code. This analysis to provide to the building industry a concise understanding and purpose of facilitating the current code. In addition, the analysis of the revisions may be used as a plancheck and field inspection aid to ensure a better appraisal of the latest revisions. 54 hours lecture.

**32180** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:30PM 09:40PM W IT 122

**Instructor:** J Thomas





## CON-63C Analysis of Revisions to the Uniform Building Code 3 UNITS

**Prerequisite:** CON-63A

Description: An analysis which discusses the changes, amendments and the intent of the code. This analysis will provide to the building industry a concise understanding and purpose of facilitating the current code. In addition, the analysis of the revisions may be used as a plancheck and field inspection aid to ensure a better appraisal of the latest revisions. 54 hours lecture.

**32181** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:30PM 09:40PM W IT 122

**Instructor:** J Thomas

## CON-63D Analysis of Revisions to the Uniform Building Code 3 UNITS

**Prerequisite:** CON-63A

Description: An analysis which discusses the changes, amendments and the intent of the code. This analysis will provide to the building industry a concise understanding and purpose of facilitating the current code. In addition, the analysis of the revisions may be used as a plancheck and field inspection aid to ensure a better appraisal of the latest revisions. 54 hours lecture.

**32182** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:30PM 09:40PM W IT 122

**Instructor:** J Thomas

## CON-64 Office/Field Inspect 3 UNITS

**Prerequisite:** None.

Description: Building and safety office management and inspections for compliance.

**32183** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:30PM 09:40PM T IT 122

**Instructor:** P Link

## CON-66 National Electrical Code 3 UNITS

**Prerequisite:** None

Description: Review of electrical codes including discussion and analysis of the application of physical laws in development of the code requirements. 54 hours lecture.

**32184** Last day to add: 03/06/19

WE 02/23/19 06/01/19 08:30AM 12:45PM S IT 124

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

**Instructor:** M Dowlatabadi

## CON-67 Mechanical Code 3 UNITS

**Prerequisite:** None.

Description: Review of mechanical codes and regulations in construction.

**32185** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:30PM 09:40PM TH IT 122

**Instructor:** J Thomas

## CON-71 Energy Conservation Standards 1.50 UNITS

**Prerequisite:** None

Description: Administrative regulations and codes that regulate the energy conservation for new residential buildings. Energy measures and mandatory features and devices that must be installed in new residential buildings and the enforcement by local building departments. 27 hours lecture.

**32186** Last day to add: 02/15/19

LEC 02/11/19 03/25/19 05:30PM 09:45PM M IT 123

The above section is a short term class. Please note the start and end dates.

**Instructor:** J Thomas

## CON-72 Calif State Accessibility 1.50 UNITS

**Prerequisite:** None.

Description: Examines the provisions of Title 24 accessibility standards of the California Uniform Building Code.

**32187** Last day to add: 04/19/19

LEC 04/15/19 06/03/19 06:00PM 09:35PM M IT 123

The above section is a short term class. Please note the start and end dates.

**Instructor:** J Thomas

## DANCE

### DAN-6 Dance Appreciation 3 UNITS

**Prerequisite:** None

Description: A nontechnical course for the general student leading to the appreciation and understanding of dance as a medium of communication, entertainment, and as an art form. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32189** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:00PM 09:10PM M IT 110

**Instructor:** Staff

## DRAFTING

### DFT-21 Drafting (same As Ene-21) 3 UNITS

**Prerequisite:** None.

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

**32780** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:00AM 12:35PM M ATEC 109

WEL 02/11/19 06/07/19 12:45PM 02:10PM M ATEC 109

WEL2 02/11/19 06/07/19 11:00AM 02:10PM W ATEC 109

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

**Instructor:** A Johnson



## DFT-22 Engineering Drawing (same As Ene-22) 3 UNITS

**Prerequisite:** DFT/ENE-21

**Advisory:** ENE-30

Description: Drafting fundamentals briefly reviewed, geometric construction, orthographic projections, freehand sketching, sectioning, auxiliary views, shop processes, dimensions and tolerances, fasteners, working and pictorial drawings, and as time permits, piping and electrical drawings. 27 hours lecture and 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32783** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:50PM 08:15PM W IT 127

WEL 02/11/19 06/07/19 06:50PM 10:00PM M IT 127

WEL2 02/11/19 06/07/19 08:20PM 09:45PM W IT 127

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

**Instructor:** G Cordier

## DFT-27 Technical Communications (same As Ele/Ene-27) 3 UNITS

**Prerequisite:** None

Description: Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.

**32785** Last day to add: 02/18/19

WE 02/12/19 04/04/19 09:40AM 11:05AM TTH ATEC 119

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

**Instructor:** A Johnson

## DFT-27 Technical Communications (same As Ele/Ene-27) 3 UNITS

**Prerequisite:** None

Description: Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.

**32975** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:30PM 09:40PM W CACT 2

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

**Instructor:** Staff

## DFT-30 Computer Aided Drafting (CAD) (same As Ene-30) 3 UNITS

**Prerequisite:** None

**Advisory:** CIS-1A

Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop computer drawn drawings, which are typical to the various fields of drafting. 27 hours lecture and 90 hours laboratory.

**32806** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 03:25PM M IT 125

WEL 02/11/19 06/07/19 03:30PM 04:55PM M IT 125

WEL2 02/11/19 06/07/19 02:00PM 05:10PM W IT 125

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

**Instructor:** F Mirzaei

## DFT-30 Computer Aided Drafting (CAD) (same As Ene-30) 3 UNITS

**Prerequisite:** None

**Advisory:** CIS-1A

Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop computer drawn drawings, which are typical to the various fields of drafting. 27 hours lecture and 90 hours laboratory.

**32807** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 03:25PM T IT 125

WEL 02/11/19 06/07/19 03:30PM 04:55PM T IT 125

WEL2 02/11/19 06/07/19 02:00PM 05:10PM TH IT 125

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

**Instructor:** Staff

## DFT-30 Computer Aided Drafting (CAD) (same As Ene-30) 3 UNITS

**Prerequisite:** None

**Advisory:** CIS-1A

Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop computer drawn drawings, which are typical to the various fields of drafting. 27 hours lecture and 90 hours laboratory.

**32809** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:30PM 09:40PM T IT 125

WE2 02/11/19 06/07/19 06:30PM 07:55PM TH IT 125

WEL 02/11/19 06/07/19 08:05PM 09:30PM TH IT 125

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

**Instructor:** Staff

## DFT-42 Solidworks I (same As Ene-42) 3 UNITS

**Prerequisite:** None

**Advisory:** PC computer experience recommended

Description: This course is designed to introduce the student to three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 90 hours of laboratory.

**32811** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM T ATEC 109

WEL 02/11/19 06/07/19 09:35AM 11:00AM T ATEC 109

WEL2 02/11/19 06/07/19 08:00AM 11:10AM TH

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

**Instructor:** F Mirzaei

## DFT-42 Solidworks I (same As Ene-42) 3 UNITS

**Prerequisite:** None

**Advisory:** PC computer experience recommended

Description: This course is designed to introduce the student to three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 90 hours of laboratory.

**32810** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 07:25PM W ATEC 109

WEL 02/11/19 06/07/19 06:00PM 09:10PM M ATEC 109

WEL2 02/11/19 06/07/19 07:30PM 08:55PM W ATEC 109

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

**Instructor:** F Mirzaei



## DFT-51 Blueprint Reading (same As Ene-51) 2 UNITS

**Prerequisite:** None

Description: A beginning course in the study of blueprints and their interpretation, types of projection, symbols and abbreviations. This course is designed for students interested in print reading for the machine trades. 27 hours lecture and 27 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32796** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM T ATEC 119

WEL 02/11/19 06/07/19 08:00AM 09:25AM TH ATEC 119

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

**Instructor:** Staff

## DFT-52 Geometric Dimensioning and Tolerancing (same As Ene-52) 2 UNITS

**Prerequisite:** None

Description: A course presenting the basics of the Standards of Geometric Dimensioning and Tolerancing. This course will help students read, interpret and use ANSI Y14.5M, the current standard for drafting. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32797** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:35PM 06:40PM W IT 127

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

**Instructor:** G Cordier

## DFT-60 Math for Engineering Technology (same As Ene-60) 3 UNITS

**Prerequisite:** None.

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

**32798** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T STEM 302

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

**Instructor:** A Johnson

## EARLY CHILDHOOD EDUCATION

### EAR-19 Observation and Assessment-ECE 3 UNITS

**Prerequisite:** None.

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

**32778** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 12:25PM W IT 209

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

**Instructor:** M Adams

### 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.

**32191** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** S Burnett

### EAR-20 Child Growth and Development 3 UNITS

**Prerequisite:** None

Description: This introductory course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. Outside observations required. 54 hours lecture.

**32192** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** S Sumiati

### 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.

**32772** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** H Alvarado

### 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.

**32190** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW IT 209

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

**Instructor:** M Adams



## EAR-20 Child Growth and Development

3 UNITS

**Prerequisite:** None

Description: This introductory course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturational processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages. Outside observations required. 54 hours lecture.

**32193** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T IT 209

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

**Instructor:** Staff

## EAR-24 Introduction to Curriculum

3 UNITS

**Prerequisite:** None

Description: This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children from birth to age 6. Students will examine a teacher's role in supporting development and engagement for all young children. This course provides strategies for developmentally-appropriate practice based on observation and assessments across the curriculum, including: academic content areas; play, art, and creativity; and development of social-emotional, communication, and cognitive skills. 54 hours lecture.

**32194** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 05:10PM T IT 209

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

**Instructor:** S Burnett

## EAR-26 Health, Safety and Nutrition

3 UNITS

**Prerequisite:** None.

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

**32195** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM W IT 209

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

**Instructor:** Staff

## EAR-28 Principles and Practices of Teaching Young Children

3 UNITS

**Prerequisite:** None

Description: An examination of the underlying theoretical principles of developmentally appropriate practices applied to programs, environments, emphasizing the key role of relationships, constructive adult-child interactions, and teaching strategies in supporting physical, social, creative and intellectual development for all young children. Includes a review of the historical roots of early childhood programs and the evolution of the professional practices promoting advocacy, ethics, and professional identity. 54 hours lecture.

**32196** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM M IT 209

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

**Instructor:** Staff

## EAR-30 Practicum in Early Childhood Education

4 UNITS

**Prerequisite:** EAR-20 and EAR-24 and EAR-28 and EAR-42

Description: In this course the student will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. Lab hours will be completed under the direction of a qualified Master Teacher (Child Development Permit Matrix, California Commission on Teacher Credentialing) with 3 units of supervised field experience in ECE setting. 36 hours lecture and 108 hours laboratory.

**32197** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 04:05PM TH IT 209

WEL 02/11/19 06/07/19 08:30AM 01:00PM MW TBEC 1

The above section is a web-enhanced class that has lab hours that will be completed at Temple Beth El, Child Development Center, 2675 Central Avenue, Riverside, 951-682-7282. This class also has a required face to face class on Thursday afternoon at Norco College in IT 209. Pursuant to California Law SB792 all students enrolled in this class must have proof of immunization against measles, pertussis (TDap), and tuberculosis (TB), by the first day of the semester. Immunizations and TB tests can be obtained at the Norco College Health Services office, or through your personal health provider. The first day of the practicum for both sections begins at Temple Beth El. Monday/Wednesday students will meet with the instructor at Temple Beth El on the first Monday of the semester; Tuesday/Thursday students will meet on the first Tuesday of the semester. Entrance into the Center will not be allowed without a copy of the completed Child Development Course Clearance Checklist, AND students will automatically be dropped from the class. Copies of the clearance form can be located at [http://www.norcollege.edu/services/health/Documents/SB792%20Immunization%20Checklist%20Norco%20College\\_r3.pdf](http://www.norcollege.edu/services/health/Documents/SB792%20Immunization%20Checklist%20Norco%20College_r3.pdf). Take this blank form with your evidence of immunization to the Norco Health Center for clearance and bring a copy for Dr. Burnett on the first day of the practicum.

**Instructor:** S Burnett



## EAR-30 Practicum in Early Childhood Education 4 UNITS

**Prerequisite:** EAR-20 and EAR-24 and EAR-28 and EAR-42

Description: In this course the student will practice and demonstrate developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children. Lab hours will be completed under the direction of a qualified Master Teacher (Child Development Permit Matrix, California Commission on Teacher Credentialing) with 3 units of supervised field experience in ECE setting. 36 hours lecture and 108 hours laboratory.

**32198** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:00PM	04:05PM	TH	IT 209
WEL	02/11/19	06/07/19	08:30AM	01:00PM	TTH	TBEC 1

The above section is a web-enhanced class that has lab hours that will be completed at Temple Beth El, Child Development Center, 2675 Central Avenue, Riverside, 951-682-7282. This class also has a required face to face class on Thursday afternoon at Norco College in IT 209. Pursuant to California Law SB792 all students enrolled in this class must have proof of immunization against measles, pertussis (TDap), and tuberculosis (TB), by the first day of the semester. Immunizations and TB tests can be obtained at the Norco College Health Services office, or through your personal health provider. The first day of the practicum for both sections begins at Temple Beth El. Monday/Wednesday students will meet with the instructor at Temple Beth El on the first Monday of the semester; Tuesday/Thursday students will meet on the first Tuesday of the semester. Entrance into the Center will not be allowed without a copy of the completed Child Development Course Clearance Checklist, AND students will automatically be dropped from the class. Copies of the clearance form can be located at [http://www.norcollege.edu/services/health/Documents/SB792%20Immunization%20Checklist%20Norco%20College\\_r3.pdf](http://www.norcollege.edu/services/health/Documents/SB792%20Immunization%20Checklist%20Norco%20College_r3.pdf). Take this blank form with your evidence of immunization to the Norco Health Center for clearance and bring a copy for Dr. Burnett on the first day of the practicum.

**Instructor:** S Burnett

## EAR-40 Intro Children With Special Needs 3 UNITS

**Prerequisite:** None

Description: Introduces variations in development of children with special needs ages birth through eight and the resulting impact on families. Includes an overview of historical and societal influences, laws relating to children with special needs, and the identification and referral process. This course will include required observations of programs for infants and children with special needs and their families. 54 hours lecture. (Letter Grade only)

**32771** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:40AM	12:50PM	TH	IT 209
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Adams

## EAR-42 Child, Family, and Community 3 UNITS

**Prerequisite:** None.

Description: An examination of the developing child in a societal context focusing on child, family, and the community with an emphasis on historical and socio-cultural factors.

**32777** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:15AM	12:25PM	M	IT 209
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Adams

## EAR-46 Curriculum and Strategies for Children with Special Needs 3 UNITS

**Prerequisite:** None

**Advisory:** EAR-40

Description: Covers curriculum and intervention strategies for working with children with special needs in partnership with their families. Focuses on the use of observation and assessment in meeting the individualized needs of children in inclusive and natural environments. Includes the role of the teacher as a professional working with families, collaboration with interdisciplinary teams, and cultural competence. 54 hours lecture.

**32202** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	09:10PM	TH	IT 209
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Adams

## EAR-47 Childhood Stress and Trauma 3 UNITS

**Prerequisite:** None

Description: This course is a comprehensive overview of concepts, theories, and issues related to childhood stress and trauma. Emphasis is on the short-and long-term effects that stress and trauma has on the physical, cognitive, language, social, and emotional stages of a child's development. Students will be introduced to child behavior patterns and potential responses to stress and trauma. Students will examine research and innovative methods that support the child's coping skills and healing process. This course is designed to develop an understanding of how children react and adapt to stress and trauma and what parents and early childhood practitioners can do to assist children. Outside observations required. 54 hours lecture.

**32203** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:40AM	12:50PM	T	IT 209
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Adams

## EAR-200 Early Childhood Work Exp 1 UNIT

**Prerequisite:** None.

**Advisory:** Students should have paid or voluntary employment.

Description: Course is designed to coordinate the student's occupational on-the-job training with related classroom instruction.

**32758** Last day to add: 02/22/19

WRKO	02/11/19	06/07/19				ON LINE
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The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture, students are required to attend an orientation at Norco College the first week of the semester, dates and times will be posted in Canvas. Students must also meet on-campus for an instructor conference and for final exams. Please see Canvas for specific dates and times.

**Instructor:** Staff

## ECONOMICS

### ECO-4 Intro Economics 3 UNITS

**Prerequisite:** None.

Description: An entry-level, general education course which introduces and surveys basic macroeconomic and microeconomic principles.

**32205** Last day to add: 02/22/19

WE	02/11/19	06/07/19	08:00AM	09:25AM	TTH	IT 209
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff



## ECO-4 Intro Economics

3 UNITS

**Prerequisite:** None.

Description: An entry-level, general education course which introduces and surveys basic macroeconomic and microeconomic principles.

**32204** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM MW IT 109

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

**Instructor:** Staff

## ECO-7 Principles of Macroeconomics

3 UNITS

**Prerequisite:** MAT-52

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

Description: Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes aggregative economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.

**32207** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:05AM TTH IT 117

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

**Instructor:** P Boelman

## ECO-7 Principles of Macroeconomics

3 UNITS

**Prerequisite:** MAT-52

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

Description: Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes aggregative economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.

**32769** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW HUM 103

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

**Instructor:** P Boelman

## ECO-7 Principles of Macroeconomics

3 UNITS

**Prerequisite:** MAT-52

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

Description: Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes aggregative economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.

**32206** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM W IT 109

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

**Instructor:** P Boelman

## ECO-8 Principles of Microeconomics

3 UNITS

**Prerequisite:** MAT-52

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

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

**32210** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH ATEC 210

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

**Instructor:** P Boelman

## ECO-8 Principles of Microeconomics

3 UNITS

**Prerequisite:** MAT-52

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

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

**32209** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW IT 117

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

**Instructor:** P Boelman

## ELECTRICITY

### ELC-74 Industrial Wiring and Controls (same As Ele-74)

4 UNITS

**Prerequisite:** None Course Credit Recommendation: Degree Credit

Description: Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing. Included will be production equipment, conveyor systems, hydraulic and pneumatic controls, power distribution, blueprint reading, electrical control wiring, PLC (programmable logic controller) control wiring, VFD (variable frequency drives) wiring and programming. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option)

**32973** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:20PM 03:45PM MW IT 124

WEL 02/11/19 06/07/19 03:55PM 05:20PM MW IT 124

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

**Instructor:** Staff



## ELECTRONICS

### ELE-10 Survey Electronics

4 UNITS

**Prerequisite:** None

Description: Basic electronic theory including electron theory, Ohm's Law, DC, AC, vacuum tube and solid state devices, antenna principles, power supplies, amplifiers, RE oscillators, amplitude and frequency modulation, diode detection and superheterodyne receivers, and test equipment operation (emphasis on voltmeter and oscilloscope operation). 54 hours lecture and 54 hours laboratory.

**32211** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:10AM	01:00PM	MW	ATEC 119
WEL	02/11/19	06/07/19	11:10AM	12:35PM	F	ATEC 119

**Instructor:** G Graham

### ELE-11 DC Electronics

4 UNITS

**Prerequisite:** None

Description: Basic DC electrical theory, devices, circuits and applications including resistors, capacitors, coils and motors.

**32212** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:30PM	09:00PM	T	
WE2	02/11/19	06/07/19	06:30PM	07:20PM	TH	
WEL	02/11/19	06/07/19	07:30PM	08:55PM	TH	

**Instructor:** G Graham

### ELE-27 Technical Communications

3 UNITS

**Prerequisite:** None

Description: Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.

**32213** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:40AM	11:05AM	TTH	ATEC 119
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Johnson

### ELE-27 Technical Communications

3 UNITS

**Prerequisite:** None

Description: Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.

**32801** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:30PM	09:40PM	W	CACT 2
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** G Balteria

### ELE-64 Programmable Logic Controllers

3 UNITS

**Prerequisite:** None

Advisory: ELE-10 or ELE-21

Description: Fundamentals of programmable logic controllers, with an emphasis on introductory programming of PLCs. Problem analysis with solutions that integrate programming formats, auxiliary commands and functions, common programming languages, and popular software programs used with PLCs. Installation, maintenance, troubleshooting and repair are inherent components. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32236** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:15AM	10:05AM	M	IT 124
WE2	02/11/19	06/07/19	09:15AM	10:20AM	W	IT 124
WEL	02/11/19	06/07/19	09:15AM	12:25PM	F	IT 124

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

**Instructor:** P Van Hulle

### ELE-71 Residential Electrical Wiring (same As Elc-71)

4 UNITS

**Prerequisite:** None

Description: Introduces students to wiring methods commonly used in residential electrical wiring. Topics include wiring of electrical switches, receptacles, code requirements for kitchen, bathroom, GFI and AFI devices, raceways, and boxes. Laboratory allows students to wire and test sample wall and ceiling sections. 54 hours lecture and 54 hours laboratory.

**32237** Last day to add: 03/06/19

WE	02/23/19	06/01/19	08:00AM	12:15PM	S	ATEC 119
WEL	02/23/19	06/01/19	12:45PM	05:00PM	S	ATEC 119

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

**Instructor:** T Childers

### ELE-73 Electric Motors and Transformers (same As Elc-73)

4 UNITS

**Prerequisite:** None.

Description: Enables electricians to understand and effectively wire most standard DC motors, servos and steppers, as well as many AC motors, including single and poly-phase units, from fractional horsepower to multi-horsepower, industrial giants. 54 hours lecture and 54 hours laboratory.

**32238** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	07:25PM	MW	IT 124
WEL	02/11/19	06/07/19	07:35PM	09:00PM	MW	IT 124

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

**Instructor:** Staff

### ELE-74 Industrial Wiring and Controls (same As Elc-74)

4 UNITS

**Prerequisite:** None

Description: Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing. Included will be production equipment, conveyor systems, hydraulic and pneumatic controls, power distribution, blueprint reading, electrical control wiring, PLC (programmable logic controller) control wiring, VFD (variable frequency drives) wiring and programming. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option)

**32239** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:20PM	03:45PM	MW	IT 124
WEL	02/11/19	06/07/19	03:55PM	05:20PM	MW	IT 124

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

**Instructor:** Staff



## ELE-76 Low Voltage Wiring/Alternate Energy (same As Elc-76) 3 UNITS

**Prerequisite:** None.

Description: Electrician training for institutional, educational and government needs, plus specialty areas not generally available from others.

**32240 Last day to add: 02/22/19**

WE 02/11/19 06/07/19 06:30PM 07:20PM TTH

WEL 02/11/19 06/07/19 07:30PM 08:55PM TTH

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

**Instructor:** Staff

## ELE-77 Electrical Theory (same As Elc-77) 3 UNITS

**Prerequisite:** None

Description: This course introduces students to electrical theory, Ohm's Law, magnetism, voltage inductance, capacitance, units of electric measurement, and proper usage of electrical test equipment (meters). Student will learn concepts of electrical energy, Kirchoff's law, Norton's and Thevenin's theorems, algebraic and trigonometric requirements to solve electrical problems for both (A/C) alternating current and (D/C) direct current circuits. Student will learn basic electrical safety procedures, including the proper usage and requirement of (PPE) personal protection equipment. 54 hours lecture. (Letter Grade or Pass/No Pass option.)

**32241 Last day to add: 02/22/19**

WE 02/11/19 06/07/19 06:00PM 06:50PM M ATEC 119

WE2 02/11/19 06/07/19 06:00PM 07:05PM W ATEC 119

WEL 02/11/19 06/07/19 07:10PM 08:35PM MW ATEC 119

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

**Instructor:** G Graham

## ELE-91 Fundamentals of Solar Energy 3 UNITS

**Prerequisite:** None

Description: This course is for students interested in a career in the solar industry. The fundamental principles and functions of photovoltaic industry will be introduced along with the planning, installation and maintenance of all necessary components for a photovoltaic system. The transmission and distribution of electric power will be reviewed and basic concepts of electricity, identification, functions and operations of components will be surveyed. 54 hours lecture.

**32242 Last day to add: 02/22/19**

WE 02/11/19 06/07/19 08:35PM 10:00PM MW ATEC 119

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

**Instructor:** G Graham

## ELE-401 Introduction to Electrical Theory, Basic Math Concepts, and the National Electric Code (same As Elc-401) 3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Provides an introduction to algebraic and trigonometric concepts and application of their principles to solve basic electrical equations and layout conduit bends. Teaches the student to apply basic electrical theory to predict circuit behavior. Basic conduit bending techniques will be developed. The National Electrical Code will be introduced. 45 hours lecture and 54 hours laboratory.

**32216 Last day to add:**

LEC 02/11/19 06/07/19 03:00PM 04:10PM MW JACT 1

LAB 02/11/19 06/07/19 04:20PM 05:45PM MW JACT 1

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee.

(909) 890-1703.

**Instructor:** Staff

## ELE-401 Introduction to Electrical Theory, Basic Math Concepts, and the National Electric Code (same As Elc-401) 3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Provides an introduction to algebraic and trigonometric concepts and application of their principles to solve basic electrical equations and layout conduit bends. Teaches the student to apply basic electrical theory to predict circuit behavior. Basic conduit bending techniques will be developed. The National Electrical Code will be introduced. 45 hours lecture and 54 hours laboratory.

**32215 Last day to add:**

LEC 02/11/19 06/07/19 06:00PM 07:10PM MW JACT 1

LAB 02/11/19 06/07/19 07:20PM 08:45PM MW JACT 1

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee.

(909) 890-1703.

**Instructor:** Staff

## ELE-401 Introduction to Electrical Theory, Basic Math Concepts, and the National Electric Code (same As Elc-401) 3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Provides an introduction to algebraic and trigonometric concepts and application of their principles to solve basic electrical equations and layout conduit bends. Teaches the student to apply basic electrical theory to predict circuit behavior. Basic conduit bending techniques will be developed. The National Electrical Code will be introduced. 45 hours lecture and 54 hours laboratory.

**32217 Last day to add:**

LEC 02/11/19 06/07/19 06:00PM 07:10PM MW JACT 9

LAB 02/11/19 06/07/19 07:20PM 08:45PM MW JACT 9

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee.

(909) 890-1703.

**Instructor:** Staff

## ELE-403 AC Circuit Concepts, Applied Electronics, and National Electric Code Applications (same As Ele-403) 3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Electrician AC theory including an exploration of inductance and capacitance and the effect of their combined reactants on AC circuits along with the application of electronic concepts and components. 45 hours lecture and 54 hours laboratory.

**32219 Last day to add:**

LEC 02/11/19 06/07/19 03:00PM 04:10PM TTH JACT 3

LAB 02/11/19 06/07/19 04:20PM 05:45PM TTH JACT 3

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee.

(909) 890-1703.

**Instructor:** Staff





## ELE-403 AC Circuit Concepts, Applied Electronics, and National Electric Code Applications (same As Ele-403) 3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Electrician AC theory including an exploration of inductance and capacitance and the effect of their combined reactants on AC circuits along with the application of electronic concepts and components. 45 hours lecture and 54 hours laboratory.

<b>32218</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	06:00PM	07:10PM	TTH	JACT 6
LAB	02/11/19	06/07/19	07:20PM	08:45PM	TTH	JACT 6

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ELE-405 Electrician Blueprint Reading with Code Applications for National Electrical Code (NEC) 3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Electrician studies of blueprints and specifications. Application of the National Electric Code will cover current protection, panel-boards, and lighting systems. 45 hours lecture and 54 hours laboratory.

<b>32222</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	03:00PM	04:10PM	TTH	JACT 2
LAB	02/11/19	06/07/19	04:20PM	05:45PM	TTH	JACT 2

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ELE-405 Electrician Blueprint Reading with Code Applications for National Electrical Code (NEC) 3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Electrician studies of blueprints and specifications. Application of the National Electric Code will cover current protection, panel-boards, and lighting systems. 45 hours lecture and 54 hours laboratory.

<b>32220</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	06:00PM	07:10PM	TTH	JACT 2
LAB	02/11/19	06/07/19	07:20PM	08:45PM	TTH	JACT 2

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ELE-405 Electrician Blueprint Reading with Code Applications for National Electrical Code (NEC) 3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Electrician studies of blueprints and specifications. Application of the National Electric Code will cover current protection, panel-boards, and lighting systems. 45 hours lecture and 54 hours laboratory.

<b>32221</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	06:00PM	07:10PM	TTH	JACT 4
LAB	02/11/19	06/07/19	07:20PM	08:45PM	TTH	JACT 4

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ELE-405 Electrician Blueprint Reading with Code Applications for National Electrical Code (NEC) 3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Electrician studies of blueprints and specifications. Application of the National Electric Code will cover current protection, panel-boards, and lighting systems. 45 hours lecture and 54 hours laboratory.

<b>32223</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	06:00PM	07:10PM	TTH	JACT 3
LAB	02/11/19	06/07/19	07:20PM	08:45PM	TTH	JACT 3

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ELE-407 Motor Control Principles, Generators and Power Supplies, with National Electric Code (NEC) (same As Ele-407) 3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Techniques for controlling AC and DC motors; students examine conventional and cutting-edge technologies for power generation. 45 hours lecture and 54 hours laboratory.

<b>32225</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	03:00PM	04:10PM	MW	JACT 6
LAB	02/11/19	06/07/19	04:20PM	05:45PM	MW	JACT 6

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff



**ELE-407 Motor Control Principles, Generators and Power Supplies, with National Electric Code (NEC) (same As Elc-407) 3.50 UNITS**

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Techniques for controlling AC and DC motors; students examine conventional and cutting-edge technologies for power generation. 45 hours lecture and 54 hours laboratory.

<b>32224</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	06:00PM	07:10PM	MW	JACT 6
LAB	02/11/19	06/07/19	07:20PM	08:45PM	MW	JACT 6

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

**ELE-409 Electrician Specialty Systems (same As Elc-409) 3.50 UNITS**

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Examines specialty electrical systems commonly found in building construction. Includes fire alarm systems, closed-circuit television (CCTV) systems, telephone systems, cable television (CATV and MATV) systems, local area networks (LANs), fiber optic data systems, heating and air conditioning control systems, and lightning protection systems. 45 hours lecture and 54 hours laboratory.

<b>32228</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	03:00PM	04:10PM	MW	JACT 7
LAB	02/11/19	06/07/19	04:20PM	05:45PM	MW	JACT 7

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

**ELE-409 Electrician Specialty Systems (same As Elc-409) 3.50 UNITS**

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Examines specialty electrical systems commonly found in building construction. Includes fire alarm systems, closed-circuit television (CCTV) systems, telephone systems, cable television (CATV and MATV) systems, local area networks (LANs), fiber optic data systems, heating and air conditioning control systems, and lightning protection systems. 45 hours lecture and 54 hours laboratory.

<b>32230</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	03:00PM	04:10PM	MW	JACT 5
LAB	02/11/19	06/07/19	04:20PM	05:45PM	MW	JACT 5

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

**ELE-409 Electrician Specialty Systems (same As Elc-409) 3.50 UNITS**

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Examines specialty electrical systems commonly found in building construction. Includes fire alarm systems, closed-circuit television (CCTV) systems, telephone systems, cable television (CATV and MATV) systems, local area networks (LANs), fiber optic data systems, heating and air conditioning control systems, and lightning protection systems. 45 hours lecture and 54 hours laboratory.

<b>32226</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	03:00PM	04:10PM	TTH	JACT 5
LAB	02/11/19	06/07/19	04:20PM	05:45PM	TTH	JACT 5

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

**ELE-409 Electrician Specialty Systems (same As Elc-409) 3.50 UNITS**

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Examines specialty electrical systems commonly found in building construction. Includes fire alarm systems, closed-circuit television (CCTV) systems, telephone systems, cable television (CATV and MATV) systems, local area networks (LANs), fiber optic data systems, heating and air conditioning control systems, and lightning protection systems. 45 hours lecture and 54 hours laboratory.

<b>32229</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	06:00PM	07:10PM	MW	JACT 7
LAB	02/11/19	06/07/19	07:20PM	08:45PM	MW	JACT 7

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

**ELE-409 Electrician Specialty Systems (same As Elc-409) 3.50 UNITS**

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Examines specialty electrical systems commonly found in building construction. Includes fire alarm systems, closed-circuit television (CCTV) systems, telephone systems, cable television (CATV and MATV) systems, local area networks (LANs), fiber optic data systems, heating and air conditioning control systems, and lightning protection systems. 45 hours lecture and 54 hours laboratory.

<b>32227</b>	<b>Last day to add:</b>					
LEC	02/11/19	06/07/19	06:00PM	07:10PM	TTH	JACT 5
LAB	02/11/19	06/07/19	07:20PM	08:45PM	TTH	JACT 5

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff



## ELE-421 Electrical Theory and Practices DC (same As Ele-421)

3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Study of floor and plot plans, basic blueprint reading and circuit drawing, theory of magnetism, DC and AC generators, motors and transformers, on-the-job safety, first aid, electrical code, telephony and data communications. 45 hours lecture and 54 hours laboratory.

<b>32231</b>						<b>Last day to add:</b>
LEC	02/11/19	06/07/19	06:00PM	07:10PM	MW	JACT 8
LAB	02/11/19	06/07/19	07:20PM	08:45PM	MW	JACT 8

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ELE-423 Semiconductor Electronics (same As Elc-423)

3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Study of solid-state electronic theory and components, diodes, transistors, SCR, triacs, diacs, IC amplifiers and op amps. 45 hours lecture and 54 hours laboratory.

<b>32232</b>						<b>Last day to add:</b>
LEC	02/11/19	06/07/19	03:00PM	04:10PM	MW	JACT 8
LAB	02/11/19	06/07/19	04:20PM	05:45PM	MW	JACT 8

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ELE-425 Management/Alarms/Codes/Circuits (same As Elc-425)

3.50 UNITS

**Prerequisite:** None Limitation on enrollment: Student must be a registered State indentured apprentice

Description: Introduction to management, installation of security and fire alarm systems, the National Electrical Code as it relates to alarm installation and circuits as applied to alarm systems. 45 hours lecture and 54 hours laboratory.

<b>32233</b>						<b>Last day to add:</b>
LEC	02/11/19	06/07/19	03:00PM	04:10PM	TTH	JACT 8
LAB	02/11/19	06/07/19	04:20PM	05:45PM	TTH	JACT 8

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ELE-499 Electrician Apprenticeship Work Experience (same As Elc-499)

1 UNIT

**Prerequisite:** None Limitation on enrollment: Student must be a State indentured apprentice

Description: This course provides students the opportunity to work in the electricians apprenticeship program for the purpose of developing specific skills to meet the goals and objectives of the electricians Joint Apprenticeship and Training Committee (J.A.T.C.). Students complete work experience hours at approved training sites. Students may take up to 16 units total across all work experience course offerings. This course may be taken up to four times when there are new or expanded learning objectives. Only one work experience course may be taken per semester. 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit.

<b>32234</b>						<b>Last day to add:</b>
LAB	02/11/19	06/07/19	08:00AM	08:50AM	S	JACT 1

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ELE-499 Electrician Apprenticeship Work Experience (same As Elc-499)

1 UNIT

**Prerequisite:** None Limitation on enrollment: Student must be a State indentured apprentice

Description: This course provides students the opportunity to work in the electricians apprenticeship program for the purpose of developing specific skills to meet the goals and objectives of the electricians Joint Apprenticeship and Training Committee (J.A.T.C.). Students complete work experience hours at approved training sites. Students may take up to 16 units total across all work experience course offerings. This course may be taken up to four times when there are new or expanded learning objectives. Only one work experience course may be taken per semester. 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit.

<b>32235</b>						<b>Last day to add:</b>
LAB	02/11/19	06/07/19	09:00AM	09:50AM	S	JACT 1

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ENGINEERING

### ENE-21 Drafting

3 UNITS

**Prerequisite:** None.

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

<b>32243</b>						<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	11:00AM	12:35PM	M	ATEC 109
WEL	02/11/19	06/07/19	12:45PM	02:10PM	M	ATEC 109
WEL2	02/11/19	06/07/19	11:00AM	02:10PM	W	ATEC 109

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

**Instructor:** A Johnson



## ENE-22 Engineering Drawing

3 UNITS

**Prerequisite:** ENE-21

**Advisory:** ENE-30

Description: Drafting fundamentals briefly reviewed, geometric construction, orthographic projections, freehand sketching, sectioning, auxiliary views, shop processes, dimensions and tolerances, fasteners, working and pictorial drawings, and as time permits, piping and electrical drawings. 27 hours lecture and 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32244** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:50PM 08:15PM W IT 127

WEL 02/11/19 06/07/19 06:50PM 10:00PM M IT 127

WEL2 02/11/19 06/07/19 08:20PM 09:45PM W IT 127

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

**Instructor:** G Cordier

## ENE-27 Technical Communications

3 UNITS

**Prerequisite:** None

Description: Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.

**32245** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:05AM TTH ATEC 119

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

**Instructor:** A Johnson

## ENE-27 Technical Communications

3 UNITS

**Prerequisite:** None

Description: Procedures for organizing and presenting technical data through informal and formal documents and presentations. Includes practice in writing memoranda, letter reports, and formal technical reports. Also includes discussion of personal resume and preparation of job applications. 54 hours lecture.

**32974** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:30PM 09:40PM W CACT 2

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

**Instructor:** G Balteria

## ENE-28 Technical Design

3 UNITS

**Prerequisite:** ENE-22

**Advisory:** ENE-42 and ENE-30 and ENE-52

Description: A study of industrial design and drafting procedures relating to the basic elements of mechanisms, including drawing of machine parts in various stages of manufacturing. Studies will include terminology, power transmission, bearings, fixtures, dies, ASME-Y-14.5 standards of drawing, geometric dimensioning and Tolerancing, and manufacturing processes. Related problems include design layouts, detail and assembly drawings. A portfolio of completed drawings is a project requirement for this course (drawings may be drawn using the Computer-aided Design system or the drawing board). 27 hours lecture and 81 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32246** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:50PM 08:15PM W IT 127

WEL 02/11/19 06/07/19 06:50PM 10:00PM M IT 127

WEL2 02/11/19 06/07/19 08:20PM 09:45PM W IT 127

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

**Instructor:** G Cordier

## ENE-30 Computer Aided Drafting (CAD)

3 UNITS

**Prerequisite:** None

**Advisory:** CIS-1A

Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop computer drawn drawings, which are typical to the various fields of drafting. 27 hours lecture and 90 hours laboratory.

**32247** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 03:25PM M IT 125

WEL 02/11/19 06/07/19 03:30PM 04:55PM M IT 125

WEL2 02/11/19 06/07/19 02:00PM 05:10PM W IT 125

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

**Instructor:** F Mirzaei

## ENE-30 Computer Aided Drafting (CAD)

3 UNITS

**Prerequisite:** None

**Advisory:** CIS-1A

Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop computer drawn drawings, which are typical to the various fields of drafting. 27 hours lecture and 90 hours laboratory.

**32248** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 03:25PM T CACT 2

WEL 02/11/19 06/07/19 03:30PM 04:55PM T CACT 2

WEL2 02/11/19 06/07/19 02:00PM 05:10PM TH CACT 2

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

**Instructor:** K Rad

## ENE-30 Computer Aided Drafting (CAD)

3 UNITS

**Prerequisite:** None

**Advisory:** CIS-1A

Description: A two-dimensional computer aided drafting class for drafters. Students will use an AUTOCAD computer drafting system to develop computer drawn drawings, which are typical to the various fields of drafting. 27 hours lecture and 90 hours laboratory.

**32808** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:30PM 09:40PM T IT 125

WE2 02/11/19 06/07/19 06:30PM 07:55PM TH IT 125

WEL 02/11/19 06/07/19 08:05PM 09:30PM TH IT 125

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

**Instructor:** Staff

## ENE-35 Statics

3 UNITS

**Prerequisite:** PHY-4A

Description: A study of force and equilibrium problems; free body diagram techniques, friction problems, second moments and moments of inertia, and their application to engineering. Algebraic, vector and classical, and graphical methods of calculation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32249** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM TH STEM 302

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

**Instructor:** A Johnson



## ENE-41 Engineering Graphics 3 UNITS

**Prerequisite:** MAT-36 Course Credit Recommendation: Degree Credit

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

**33034** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:30PM 07:20PM M IT 125

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

**Instructor:** Staff

## ENE-42 SolidWorks I 3 UNITS

**Prerequisite:** None

Advisory: PC computer experience recommended

Description: This course is designed to introduce the student to three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 90 hours of laboratory.

**32251** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM T ATEC 109

WEL 02/11/19 06/07/19 09:35AM 11:00AM T ATEC 109

WEL2 02/11/19 06/07/19 08:00AM 11:10AM TH ATEC 109

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

**Instructor:** F Mirzaei

## ENE-42 SolidWorks I 3 UNITS

**Prerequisite:** None

Advisory: PC computer experience recommended

Description: This course is designed to introduce the student to three-dimensional parametric solid modeling with SolidWorks. Students will begin with basic parametric solid modeling techniques advancing into complex assemblies requiring animation. 27 hours lecture and 90 hours of laboratory.

**32250** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 07:25PM W ATEC 109

WEL 02/11/19 06/07/19 06:00PM 09:10PM M ATEC 109

WEL2 02/11/19 06/07/19 07:30PM 08:55PM W ATEC 109

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

**Instructor:** F Mirzaei

## ENE-51 Blueprint Reading 2 UNITS

**Prerequisite:** None

Description: A beginning course in the study of blueprints and their interpretation, types of projection, symbols and abbreviations. This course is designed for students interested in print reading for the machine trades. 27 hours lecture and 27 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32253** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM T ATEC 109

WEL 02/11/19 06/07/19 08:00AM 09:25AM TH ATEC 109

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

**Instructor:** Staff

## ENE-52 Geometric Dimensioning and Tolerancing 2 UNITS

**Prerequisite:** None

Description: A course presenting the basics of the Standards of Geometric Dimensioning and Tolerancing. This course will help students read, interpret and use ANSI Y14.5M, the current standard for drafting. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32254** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:35PM 06:40PM W IT 127

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

**Instructor:** G Cordier

## ENE-60 Math for Engineering Technology 3 UNITS

**Prerequisite:** None.

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

**32255** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T STEM 302

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

**Instructor:** A Johnson

## ENE-62 Math for Automated Systems 3 UNITS

**Prerequisite:** None

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

**32799** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM MW ATEC 119

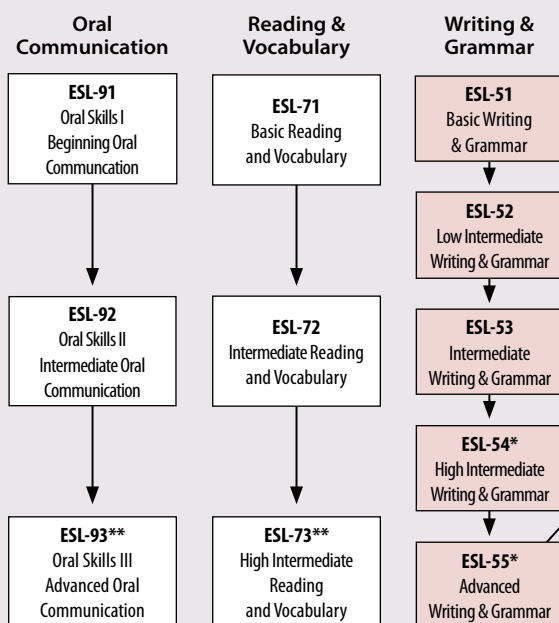
The above section is a web-enhanced class. Internet access is required.

**Instructor:** G Alcala



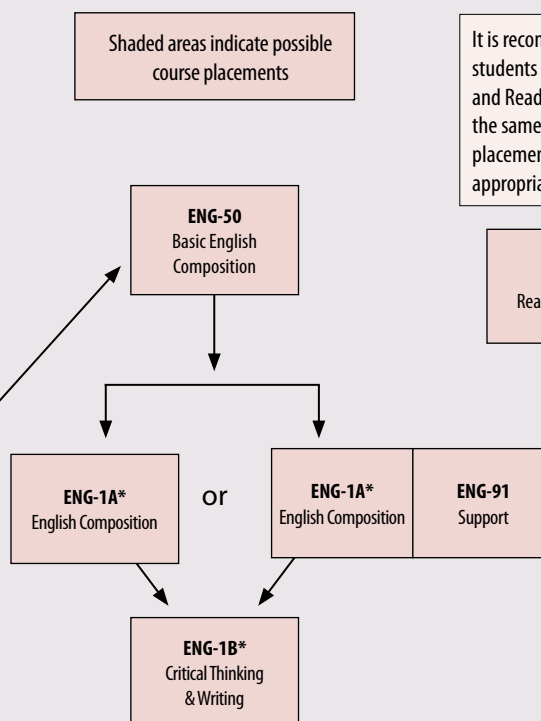
## Moving through English, ESL and Reading

### English as a Second Language



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

### English Composition



Shaded areas indicate possible course placements

### Reading

It is recommended that students take English and Reading classes at the same time. Check placement score for the appropriate reading class.

REA-83  
Reading Level III

## ENGLISH

### PLACEMENT GUIDELINES ENGLISH COMPOSITION COURSES

#### ENGLISH 1B/1BH

- A grade of C or better in ENG-1A/1AH

#### ENGLISH 1A/1AH

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

#### ENGLISH 50

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

### ENG-1A English Composition 4 UNITS

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

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

**32273**

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

OL 02/11/19 06/07/19

ON LINE

OLL 02/11/19 06/07/19

ON LINE

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

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

**Instructor:** C Brownell



## ENG-1A English Composition

4 UNITS

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

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

<b>32264</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	07:20AM	08:35AM	MWF	CACT 1	
WEL	02/11/19	06/07/19				IT 121	

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

**Instructor:** Staff

## ENG-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)

<b>32269</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	07:20AM	09:25AM	TTH	HUM 102	
WEL	02/11/19	06/07/19				IT 121	

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

**Instructor:** E Robles

## ENG-1A English Composition

4 UNITS

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

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

<b>32279</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	07:20AM	09:25AM	TTH	ST 108	
WEL	02/11/19	06/07/19				IT 121	

The above section is a web-enhanced class and has reading and writing assignments centered on the African American experience and is intended for students in the Umoja program. The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

**Instructor:** C Liang

## ENG-1A English Composition

4 UNITS

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

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

<b>32265</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	07:25AM	08:40AM	MWF	IT 110	
WEL	02/11/19	06/07/19				IT 121	

The above section is a web-enhanced class and requires concurrent enrollment in ENG 91-33000. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** Staff

## ENG-91 Academic Support for English 1

2 UNITS

**Prerequisite:** None

**Corequisite:** ENG-1A

Description: Limited to students concurrently enrolled in the co-requisite English 1A class, English 91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

<b>33000</b>							<b>Last day to add: 02/24/19</b>
WE	02/11/19	05/29/19	08:50AM	09:45AM	MW	IT 110	

The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32265. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** Staff

## ENG-1A English Composition

4 UNITS

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

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

<b>32988</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	07:25AM	08:40AM	MWF	IT 111	
WEL	02/11/19	06/07/19				IT 121	

The above section is a web-enhanced class and requires concurrent enrollment in ENG 91-32996. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** C Liang



## ENG-91 Academic Support for English 1

2 UNITS

**Prerequisite:** None

**Corequisite:** ENG-1A

Description: Limited to students concurrently enrolled in the co-requisite English 1A class, English 91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

**32996** Last day to add: 02/24/19

WE 02/11/19 05/29/19 08:50AM 09:55AM MW IT 111

The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32988. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** C Liang

## ENG-1A English Composition

4 UNITS

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

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

**32989** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:25AM 08:40AM MWF ST 108

WEL 02/11/19 06/07/19 IT 121

The above section is a web-enhanced class and requires concurrent enrollment in ENG 91-32997. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** J Gianunzio

## ENG-91 Academic Support for English 1

2 UNITS

**Prerequisite:** None

**Corequisite:** ENG-1A

Description: Limited to students concurrently enrolled in the co-requisite English 1A class, English 91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

**32997** Last day to add: 02/24/19

WE 02/11/19 05/29/19 08:50AM 09:45AM MW ST 108

The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32989. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** J Gianunzio

## ENG-1A English Composition

4 UNITS

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

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

**32258** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:45AM 09:00AM MWF IT 123

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** Staff

## ENG-1A English Composition

4 UNITS

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

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

**32281** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:45AM 09:00AM MWF HUM 102

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** Staff

## ENG-1A English Composition

4 UNITS

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

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

**32282** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:45AM 09:00AM MWF WEQW6B

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** Staff





## ENG-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)

<b>32277</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	07:55AM	10:00AM	TTH	WEQ W6B	
WEL	02/11/19	06/07/19					IT 121

The above section is a web-enhanced class and requires concurrent enrollment in ENG 91-33001. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** T Comstock

## ENG-91 Academic Support for English 1

2 UNITS

**Prerequisite:** None

**Corequisite:** ENG-1A

Description: Limited to students concurrently enrolled in the co-requisite English 1A class, English 91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

<b>33001</b>							<b>Last day to add: 02/25/19</b>
WE	02/12/19	05/30/19	10:10AM	11:15AM	TTH	WEQ W6B	

The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32277. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** T Comstock

## 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)

<b>32262</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	09:15AM	10:30AM	MWF	CACT 1	
WEL	02/11/19	06/07/19					IT 121

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

**Instructor:** D Mills

## 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)

<b>32283</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	09:15AM	10:30AM	MWF	IT 123	
WEL	02/11/19	06/07/19					IT 121

The above section is a web-enhanced class and requires concurrent enrollment in ENG 91-33002. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** M Pelle

## ENG-91 Academic Support for English 1

2 UNITS

**Prerequisite:** None

**Corequisite:** ENG-1A

Description: Limited to students concurrently enrolled in the co-requisite English 1A class, English 91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

<b>33002</b>							<b>Last day to add: 02/24/19</b>
WE	02/11/19	05/29/19	10:40AM	11:45AM	MW	IT 123	

The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32283. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** M Pelle

## 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)

<b>32280</b>							<b>Last day to add: 02/17/19</b>
HYB	02/11/19	04/07/19	09:15AM	10:30AM	W	HUM 102	
HYBO	02/11/19	04/07/19					ON LINE
HYBLO	02/11/19	04/07/19					ON LINE

The above section is a short term hybrid class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). All hours, including the 18-hour laboratory requirement, are completed online. Please note the start and end dates.

**Instructor:** N Morford



## 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)

**32284** Last day to add: 04/21/19

HYB 04/15/19 06/07/19 09:15AM 10:30AM W HUM 102

HYBO 04/15/19 06/07/19 ON LINE

HYBLO 04/15/19 06/07/19 ON LINE

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

See [www.opencampus.com](http://www.opencampus.com). All hours, including the 18-hour laboratory requirement, are completed online. Please note the start and end dates.

**Instructor:** N Morford

## 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)

**32285** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:45AM TTH IT 123

WEL 02/11/19 06/07/19 IT 121

The above section is a web-enhanced class and requires concurrent enrollment in ENG 91-33003. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** N Capps

## ENG-91 Academic Support for English 1

2 UNITS

**Prerequisite:** None

**Corequisite:** ENG-1A

Description: Limited to students concurrently enrolled in the co-requisite English 1A class, English 91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

**33003** Last day to add: 02/25/19

WE 02/12/19 05/30/19 11:55AM 01:00PM TTH IT 123

The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32285. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** N Capps

## 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)

**32991** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:45AM TTH ST 108

WEL 02/11/19 06/07/19 IT 121

The above section is a web-enhanced class and requires concurrent enrollment in ENG 91-32999. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** A Elizalde

## ENG-91 Academic Support for English 1

2 UNITS

**Prerequisite:** None

**Corequisite:** ENG-1A

Description: Limited to students concurrently enrolled in the co-requisite English 1A class, English 91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

**32999** Last day to add: 02/25/19

WE 02/12/19 05/30/19 11:55AM 01:00PM TTH ST 108

The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32991. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** A Elizalde

## ENG-1A English Composition

4 UNITS

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

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

**32987** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:55AM 11:05AM MWF IT 110

WEL 02/11/19 06/07/19 IT 121

The above section is a web-enhanced class and requires concurrent enrollment in ENG 91-32995. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** Staff



## ENG-91 Academic Support for English 1

2 UNITS

**Prerequisite:** None

**Corequisite:** ENG-1A

Description: Limited to students concurrently enrolled in the co-requisite English 1A class, English 91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

**32995** Last day to add: 02/24/19

WE 02/11/19 05/29/19 11:15AM 12:20PM MW IT 110

The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32987. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** Staff

## ENG-1A English Composition

4 UNITS

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

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

**32990** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:55AM 11:05AM MWF ST 108

WEL 02/11/19 06/07/19 IT 121

The above section is a web-enhanced class and requires concurrent enrollment in ENG 91-32998. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** Staff

## ENG-91 Academic Support for English 1

2 UNITS

**Prerequisite:** None

**Corequisite:** ENG-1A

Description: Limited to students concurrently enrolled in the co-requisite English 1A class, English 91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

**32998** Last day to add: 02/24/19

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

The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32990. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** Staff

## ENG-1A English Composition

4 UNITS

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

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

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

LEC 02/11/19 06/07/19 11:15AM 12:30PM MWF CACT 1

LAB 02/11/19 06/07/19 IT 121

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

**Instructor:** D Mills

## ENG-1A English Composition

4 UNITS

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

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

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

WE 02/11/19 06/07/19 01:00PM 02:15PM MWF CACT 1

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** P Van Osterhoudt

## ENG-1A English Composition

4 UNITS

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

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

**32263** Last day to add: 02/22/19

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

WEL 02/11/19 06/07/19 IT 121

The above section is a web-enhanced class and requires concurrent enrollment in ENG 91-33015. ENG 91 is a co-requisite support course designed to offer extra support and class time for students for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** T Comstock



## ENG-91 Academic Support for English 1

2 UNITS

**Prerequisite:** None

**Corequisite:** ENG-1A

Description: Limited to students concurrently enrolled in the co-requisite English 1A class, English 91 provides students with additional support for college-level English. This 2-unit class offers additional instruction and practice in reading strategies, writing process, sentence craft, metacognitive reflection, and college success skills. 36 hours lecture. (Non-degree credit course. Pass/No Pass only.)

**33015** Last day to add: 02/25/19

WE 02/12/19 05/30/19 04:15PM 05:20PM TTH ST 108

The above section is a web-enhanced class and requires concurrent enrollment in ENG-1A-32263. ENG 91 is a co-requisite support course designed to offer extra support and class time for students to complete ENG 1A in a single term. For more information please speak with your counselor. In addition to the time spent in the above class, students are required to attend the Writing Lab in IT 121 for 50 minutes each week to fulfill the 18-hour laboratory requirement. Students must use Web Advisor to schedule their lab requirement. See WL-Lab in Web Advisor for available laboratory sections.

**Instructor:** T Comstock

## ENG-1A English Composition

4 UNITS

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

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

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

WE 02/11/19 06/07/19 02:00PM 04:05PM TTH HUM 102

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** A Elizalde

## ENG-1A English Composition

4 UNITS

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

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

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

WE 02/11/19 06/07/19 02:00PM 04:05PM TTH IT 110

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** J Hill

## ENG-1A English Composition

4 UNITS

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

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

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

WE 02/11/19 06/07/19 02:00PM 04:05PM TTH IT 111

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** N Capps

## ENG-1A English Composition

4 UNITS

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

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

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

WE 02/11/19 06/07/19 02:20PM 04:25PM MW

WEL 02/11/19 06/07/19 04:35PM 05:25PM M

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

**Instructor:** Staff

## ENG-1A English Composition

4 UNITS

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

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

**32274** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 206

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** Staff



## ENG-1A English Composition

4 UNITS

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

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

<b>32275</b>						<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	02:45PM	04:00PM	MWF	ST 108
WEL	02/11/19	06/07/19				IT 121

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

**Instructor:** P Van Osterhoudt

## ENG-1A English Composition

4 UNITS

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

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

<b>32993</b>						<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	02:45PM	04:50PM	MW	LSHS 106
WEL	02/11/19	06/07/19	05:00PM	05:50PM	W	LSHS 106

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

**Instructor:** J Watson

## ENG-1A English Composition

4 UNITS

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

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

<b>32286</b>						<b>Last day to add: 02/22/19</b>
HYB	02/11/19	06/07/19	03:00PM	05:05PM	TTH	ERHS B212
HYBO	02/11/19	06/07/19				ON LINE
HYBLO	02/11/19	06/07/19				ON LINE

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

**Instructor:** R Hitch

## ENG-1A English Composition

4 UNITS

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

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

<b>33028</b>						<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	03:00PM	05:05PM	TTH	NOHS D3
WEL	02/11/19	06/07/19	05:15PM	06:05PM	T	NOHS D3

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

**Instructor:** J Watson

## ENG-1A English Composition

4 UNITS

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

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

<b>32271</b>						<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	04:15PM	05:30PM	MWF	LIBR 110
WEL	02/11/19	06/07/19				IT 121

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

**Instructor:** Staff

## ENG-1A English Composition

4 UNITS

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

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

<b>32261</b>						<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	04:15PM	06:20PM	TTH	LIBR 110
WEL	02/11/19	06/07/19				IT 121

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

**Instructor:** A Elizalde



## ENG-1A English Composition

4 UNITS

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

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

<b>32272</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	04:15PM	06:20PM	TTH	IT 206	
WEL	02/11/19	06/07/19					IT 121

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

**Instructor:** D Reade

## ENG-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)

<b>32267</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	05:40PM	07:45PM	MW	ST 108	
WEL	02/11/19	06/07/19					IT 121

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

**Instructor:** N Soriano

## 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)

<b>32270</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	05:40PM	07:45PM	MW	IT 206	
WEL	02/11/19	06/07/19					IT 121

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

**Instructor:** A Elizalde

## ENG-1A English Composition

4 UNITS

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

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

<b>32276</b>							<b>Last day to add: 02/22/19</b>
WE	02/11/19	06/07/19	06:30PM	08:35PM	TTH	IT 206	
WEL	02/11/19	06/07/19					IT 121

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

**Instructor:** E Wagner

## ENG-1AH Honors English Composition

4 UNITS

**Prerequisite:** ENG-50 or ENG-80 or qualifying placement level Limitation on enrollment: Enrollment in the Honors Program

Description: Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. This Honors course offers an enriched experience for accelerated students through limited class size; seminar format; focus on primary texts; and application of higher level critical thinking skills. Students may not receive credit for both ENG-1A and ENG-1AH. Classroom instruction integrates writing lab activities. 72 hours lecture and 18 hours laboratory. (TBA option)

<b>32287</b>							<b>Last day to add: 02/22/19</b>
LEC	02/11/19	06/07/19	09:40AM	11:45AM	TTH	HUM 102	
LAB	02/11/19	06/07/19					IT 121

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

**Instructor:** D Reade

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

<b>32297</b>							<b>Last day to add: 02/22/19</b>
OL	02/11/19	06/07/19					ON LINE
OLL	02/11/19	06/07/19					ON LINE

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

**Instructor:** D Samson



## 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)

**32300** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

OLL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** S Camacho

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32964** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

OLL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** D Samson

## 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)

**32965** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

OLL 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** S Camacho

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32986** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:20AM 09:25AM TTH IT 206

WEL 02/11/19 06/07/19 IT 121

The above section has reading and writing assignments centered on the African American experience and is intended for students in the Umoja program. The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

**Instructor:** A Moore

## 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)

**32309** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 08:00AM 10:35AM M CRC CRCL609A

LEC2 02/11/19 06/07/19 08:00AM 09:20AM W CRC CRCL609A

LAB 02/11/19 06/07/19 09:30AM 10:20AM W 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:** Staff

## 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)

**32288** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 08:00AM 09:15AM TTH IT 111

HYBO 02/11/19 06/07/19 ON LINE

HYBLO 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** J Dobson



## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32994** Last day to add: 02/22/19

WE	02/11/19	06/07/19	08:00AM	10:05AM	TTH	IT 110
WEL	02/11/19	06/07/19				IT 121

The above section will have reading and writing assignments focusing on the Chicano experience and is designed for students in the Puente Program. Concurrent enrollment in GUI-48-34188 is required. See the instructor and a counselor before enrolling. This section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

**Instructor:** N Morford

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32290** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:40AM	11:45AM	TTH	IT 206
WEL	02/11/19	06/07/19				IT 121

The above section has reading and writing assignments centered on the African American experience and is intended for students in the Umoja program. The above section is a web-enhanced class and has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

**Instructor:** A Moore

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32291** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:15AM	12:30PM	MWF	HUM 102
WEL	02/11/19	06/07/19				IT 121

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

**Instructor:** L Hernandez

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32310** Last day to add: 02/22/19

LEC	02/11/19	06/07/19	12:30PM	02:35PM	MW	CRC CRCUL3
LAB	02/11/19	06/07/19	02:40PM	03:45PM	W	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:** Staff

## 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)

**32289** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	01:00PM	02:15PM	MW	IT 123
HYBO	02/11/19	06/07/19				ON LINE
HYBLO	02/11/19	06/07/19				ON LINE

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

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

**Instructor:** J Dobson

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32303** Last day to add: 02/22/19

WE	02/11/19	06/07/19	01:00PM	02:15PM	MWF	HUM 102
WEL	02/11/19	06/07/19				IT 121

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

**Instructor:** L Hernandez





## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32304** Last day to add: 02/22/19

WE 02/11/19 06/07/19 01:00PM 02:15PM MWF IT 111

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** R Marsh

## 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)

**32985** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 04:05PM TTH IT 123

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** J Reed

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32293** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:45PM 04:00PM MWF LIBR 110

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** R Mansikka

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32298** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 122

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** S Tkach

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32301** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 123

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** D Mattson

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32305** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 110

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** R Marsh



## 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)

**32306** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:45PM 04:00PM MWF HUM 102

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** Staff

## ENG-1B Critical Thinking and Writing

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)

**32984** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:45PM 04:00PM MWF IT 111

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** Staff

## ENG-1B Critical Thinking and Writing

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)

**33029** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:45PM 04:50PM MW LSHS 102

WEL 02/11/19 06/07/19 05:00PM 05:50PM W LSHS 102

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

**Instructor:** Staff

## 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)

**33025** Last day to add: 02/22/19

WE 02/11/19 06/07/19 03:00PM 05:05PM MW ERHS B201

WEL 02/11/19 06/07/19 05:15PM 06:05PM W ERHS B201

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

**Instructor:** M Muldoon

## 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)

**32308** Last day to add: 02/22/19

WE 02/11/19 06/07/19 03:00PM 05:05PM TTH ERHS B203

WEL 02/11/19 06/07/19 05:15PM 06:05PM T ERHS B203

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

**Instructor:** M Muldoon

## 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)

**32292** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 05:30PM MWF IT 110

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** R Mansikka



## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32299** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 05:30PM MWF IT 123

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** D Mattson

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32302** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 05:30PM MWF ST 108

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** S Tkach

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32295** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 06:20PM TTH WEQ W6B

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** J Reed

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32307** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 06:20PM TTH IT 111

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** E 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)

**32983** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 06:20PM TTH IT 123

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** Staff

## ENG-1B Critical Thinking and Writing

4 UNITS

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

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

**32294** Last day to add: 02/22/19

WE 02/11/19 06/07/19 05:40PM 07:45PM MW IT 111

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** J Meiser



## 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)

**32296** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:30PM 08:35PM TTH IT 110

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** J Lovell

## ENG-1BH Honors Critical Thinking and Writing

4 UNITS

**Prerequisite:** ENG-1A or ENG-1AH Limitation on enrollment: Enrollment in the Honors Program

Description: Building on the rhetorical skills learned in ENG 1A or 1AH, students will analyze, interpret, and synthesize diverse texts in order to construct well-supported academic arguments and literary analyses. Composition totaling a minimum of 10,000 words serves to correlate writing and reading activities. Classroom activities integrate with writing lab activities. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both ENG-1B and ENG-1BH. 72 hours lecture and 18 hours laboratory. (TBA option)

**32311** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:45AM TTH IT 111

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** D Mills

## ENG-9 Introduction to Shakespeare

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-1B or ENG-1BH

Description: A survey of Shakespeares plays and poetry, with the primary emphasis on exposing students to a representative sampling of his dramatic works and to the cultural, intellectual, and artistic contexts for his work. Both students who have read Shakespeare before and students who have no experience with Shakespeare are encouraged to take this class. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32981** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM MW IT 206

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

**Instructor:** D Reade

## ENG-14 American Literature I:

### Pre-Contact through Civil War

3 UNITS

**Prerequisite:** ENG-50 or ENG-80 or eligibility for ENG-1A

**Advisory:** ENG-1B or ENG-1BH

Description: A survey of American literature from the pre-contact period to the Civil War, including a comprehensive exposure to the prose, poetry and fiction of this era as well as a basic understanding of the cultural, intellectual and artistic trends it embodies. 54 hours lecture. (Letter Grade, or Pass/No Pass option)

**32972** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 03:25PM TTH IT 108

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

**Instructor:** D Reade

## ENG-20 Survey of African American Literature

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-1B or ENG-1BH

Description: A survey of African American literature from the early oral tradition to the present, including a comprehensive exposure to African American prose, poetry, and fiction as well as a basic understanding of the cultural, intellectual, and artistic trends of African American culture and the relationship to contemporary literature. Students who have taken both ENG-21 and ENG-22 may not receive credit for ENG-20. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**33014** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:20AM 12:45PM TTH WEQ W6B

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

**Instructor:** Staff

## ENG-41 World Literature II:

### Seventeenth Century Through the Present

3 UNITS

**Prerequisite:** ENG-50 or ENG-80

**Advisory:** ENG-1B or ENG-1BH

Description: Significant works of world literature from the Seventeenth Century through the present, including a comprehensive exposure to the poetry, drama, and fiction of these periods as well as a basic understanding of the cultural, intellectual, and artistic trends these works embody. Emphasis on literature in translation. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32979** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW CACT 1

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

**Instructor:** A Moore

## ENG-44 Poetry from the Twentieth Century to the Present

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-1B or ENG-1BH

Description: The study of major voices and trends in poetry of the twentieth and twenty-first century, examining the cultural and artistic contexts from which this poetry emerged. Topics include poetic structure and development and thematic elements. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32982** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW ST 108

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

**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.)

**32322** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 07:20AM 09:25AM T CACT 1

HYBO 02/11/19 06/07/19 ON LINE

HYBLO 02/11/19 06/07/19 ON LINE

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

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

**Instructor:** C Miter

## ENG-50 Basic English Composition

4 UNITS

**Prerequisite:** ENG-70 or ENG-60B or ESL-55

**Advisory:** REA-82 or qualifying placement level

Description: Emphasizes and develops skills in critical reading and academic writing as preparation for college-level composition. Students will produce a minimum of 5,000 words of instructor-evaluated writing. Classroom instruction integrates lab activities. 72 hours lecture and 18 hours laboratory. (Letter Grade only.)

**32321** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:45AM TTH CACT 1

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** C Miter

## ENG-50 Basic English Composition

4 UNITS

**Prerequisite:** ENG-70 or ENG-60B or ESL-55

**Advisory:** REA-82 or qualifying placement level

Description: Emphasizes and develops skills in critical reading and academic writing as preparation for college-level composition. Students will produce a minimum of 5,000 words of instructor-evaluated writing. Classroom instruction integrates lab activities. 72 hours lecture and 18 hours laboratory. (Letter Grade only.)

**32320** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 04:05PM TTH CACT 1

WEL 02/11/19 06/07/19 IT 121

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

**Instructor:** C Miter

## ENGLISH AS A SECOND LANGUAGE

### ESL ONE-STOP DATES

#### (NEW ESL STUDENTS MUST TAKE PTESL TEST)

We offer "ESL One-Stop" sessions. You can take the ESL placement test and attend a college orientation on the same date. An ESL One-Stop session takes about 3 ½ hours.

To schedule an appointment:

1. Go to [www.norcocollege.edu](http://www.norcocollege.edu)
2. Click on Students
3. Under Enrollment Services, click on Assessment
4. Click on Make An Appointment
5. Scroll to bottom of the page and click on Make An Appointment to access the online appointment system.

Complete testing schedules are available at:

[www.norcocollege.edu/services/assessment/Pages/MakeAnAppointment.aspx](http://www.norcocollege.edu/services/assessment/Pages/MakeAnAppointment.aspx)

Please check the calendar and then use the online appointment system to choose your appointment. If you need to speak with someone directly, please call the Norco College Assessment Center at (951) 372-7176.

## ESL-51 Basic Writing and Grammar

4 UNITS

**Prerequisite:** None

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

**32338** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:30PM 08:35PM TTH IT 211

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

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

**Instructor:** D Tougas

## ESL-52 Low-intermediate Writing and Grammar

4 UNITS

**Prerequisite:** ESL-51 or Qualifying placement level on a state-approved placement instrument

Description: Develops competency in standard written English with a continued focus on basic writing and grammar skills. Instruction includes vocabulary and reading skills necessary for success in low-intermediate English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

**32339** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:30PM 08:35PM MW HUM 102

LAB 02/11/19 06/07/19 08:45PM 09:35PM W HUM 102

Designated laboratory hours are included in the meeting times for this class.

**Instructor:** L Tougas



## ESL-53 Intermediate Writing and Grammar 4 UNITS

**Prerequisite:** Qualifying placement level on a state-approved placement instrument or ESL-52

Description: Increases competency in standard written English with a focus on intermediate and writing grammar skills. Instruction includes vocabulary and reading skills necessary for success in intermediate English as a Second Language courses. 72 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

**32340** Last day to add: 02/22/19

LEC	02/11/19	06/07/19	10:40AM	12:45PM	TTH	IT 211
LAB	02/11/19	06/07/19	09:40AM	10:30AM	T	IT 211

Designated laboratory hours are included in the meeting times for this class.

**Instructor:** M Shirinian

## ESL-54 High-intermediate Writing and Grammar 5 UNITS

**Prerequisite:** Qualifying placement level on a state-approved placement instrument or ESL-53

Description: Emphasizes competency in standard written English with a focus on high-intermediate grammar and writing skills. Instruction includes an intensive review of vocabulary and reading skills necessary for success in high-intermediate English as a Second Language courses. 90 hours lecture and 18 hours laboratory. (Degree credit course. Letter Grade, or Pass/No Pass Option.)

**32341** Last day to add: 02/22/19

LEC	02/11/19	06/07/19	10:55AM	12:30PM	MWF	IT 211
LAB	02/11/19	06/07/19				IT 121

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

**Instructor:** M Shirinian

## ESL-55 Advanced Writing and Grammar 5 UNITS

**Prerequisite:** Qualifying placement level on a state-approved placement instrument or ESL-54

Description: Emphasizes competency in standard written English with a focus on developing paragraphs and essays in preparation for English composition classes. Instruction includes continued development of vocabulary, reading and academic skills necessary for success in college classes. 90 hours lecture and 18 hours laboratory. (Degree credit course. Letter Grade, or Pass/No Pass Option.)

**32342** Last day to add: 02/22/19

LEC	02/11/19	06/07/19	09:10AM	10:45AM	MWF	IT 211
LAB	02/11/19	06/07/19				IT 121

The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

**Instructor:** M Shirinian

## ESL-93 Oral Skills III: Advanced Oral Communication 3 UNITS

**Prerequisite:** None

Advisory: ESL-92 and concurrent enrollment in ESL 54, 55 or ENG-50

Description: This course develops advanced conversation, pronunciation, idiomatic and aural comprehension skills. Conversational and idiomatic skills focus on increasingly fluent communication and interaction skills in complex speaking situations and comfortable use of English in a variety of situations, both academic and professional. Pronunciation focuses on improved clarity of speech and on increased control of the stress, intonation and rhythm of English. Listening comprehension stresses understanding complex syntax, register, nuance and tone in conversations on campus and in the workplace. Students will learn how to speak at length on a given topic, both prepared and extemporaneous, and to understand the subtleties of conversational English. 54 hours lecture and 18 hours laboratory. (Degree credit course. Letter grade, or Pass/No Pass option.)

**32789** Last day to add: 02/22/19

LEC	02/11/19	06/07/19	08:00AM	09:25AM	TTH	IT 211
LAB	02/11/19	06/07/19	09:25AM	10:25AM	TH	IT 211

Designated laboratory hours are included in the meeting times for this class.

**Instructor:** M Shirinian

## FRENCH

### ENROLLMENT GUIDELINES FRENCH

1. If you have taken French in high school or in another college or university, you must have official transcripts on file and request evaluation of the course(s) in order to enroll above level 1.
2. If you have acquired knowledge of French outside of a formal educational institution, you must file a matriculation appeals petition in order to enroll above level 1.

## FRE-1 French 1 5 UNITS

**Prerequisite:** None.

Description: Develops basic skills in understanding, reading, communicating and writing in French.

**32344** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:15AM	01:20PM	M	LIBR 121
WE2	02/11/19	06/07/19	11:05AM	02:10PM	W	LIBR 109
WEL	02/11/19	06/07/19	01:25PM	02:15PM	M	LIBR 121

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## FRE-2 French 2 5 UNITS

**Prerequisite:** FRE-1

Description: Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written French at the beginning level. This course includes an expanded discussion of French culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

**32345** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	08:05PM	T	LIBR 121
WE2	02/11/19	06/07/19	06:00PM	09:10PM	TH	LIBR 109
WEL	02/11/19	06/07/19	08:10PM	09:00PM	T	LIBR 121

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Smith



## GAME DEVELOPMENT

### GAM-21 History of Video Games 3 UNITS

**Prerequisite:** None

Description: A comprehensive study of the evolution of video games throughout history including arcade games, console games, computer games and mobile applications.

**32942** Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** J Coverdale

### 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.

**32943** Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** J Coverdale

### 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.

**32347** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 08:00AM 09:25AM TTH STEM 115

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Coverdale

### 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.

**32346** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 11:10AM 12:35PM MW STEM 115

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Coverdale

### GAM-22 Game Design Principles 4 UNITS

**Prerequisite:** None

Description: An introduction to the fundamental techniques, concepts, and vocabulary of game design. Students will design original non-digital prototypes and games, using iteration and playtesting best practices. Topics include formal elements of games, mechanics and dynamics, decision-making, flow states and player psychology, the MDA Framework, the iterative process, and rapid prototyping. 54 hours lecture and 54 hours laboratory.

**32922** Last day to add: 02/22/19  
HYBO 02/11/19 06/07/19 ON LINE

HYBL 02/11/19 06/07/19 09:40AM 12:50PM TH STEM 115

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). The designated 54-hour lecture requirement is completed online.

**Instructor:** J Perry

### GAM-23 Digital Game Design 4 UNITS

**Prerequisite:** GAM-22

Description: An introduction to digital game design, including planning, designing and developing an original digital game. Topics include analyzing the target audience, pitching an original game concept, design documentation, the iterative process, and rapid digital prototyping. 54 hours lecture and 54 hours laboratory.

**32348** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 06:50PM 08:15PM MW IT 125

WEL 02/11/19 06/07/19 08:25PM 09:50PM MW 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:** M Chapman

### GAM-35 Introduction to Computer Game Development 3 UNITS

**Prerequisite:** None.

Description: An introduction to computer gaming. Students will explore the job market, career paths and business aspects of gaming professions.

**32350** Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** Staff

### GAM-35 Introduction to Computer Game Development 3 UNITS

**Prerequisite:** None.

Description: An introduction to computer gaming. Students will explore the job market, career paths and business aspects of gaming professions.

**32927** Last day to add: 02/22/19  
HYB 02/11/19 06/07/19 09:15AM 10:40AM M STEM 115

HYBO 02/11/19 06/07/19 ON LINE

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** J Finley



## GAM-35 Introduction to Computer Game Development 3 UNITS

**Prerequisite:** None.

Description: An introduction to computer gaming. Students will explore the job market, career paths and business aspects of gaming professions.

**32351** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:15AM	12:40PM	TTH	STEM 115
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The above section is a web-enhanced class. Internet access required.

**Instructor:** T Pryor

## GAM-44 Portfolio Production 2 UNITS

**Prerequisite:** GAM-23 or GAM-32 or GAM-46 or GAM-48 or GAM-52 or MUC-6 or [ART-22, ART-39, CIS-59, CIS-66, CIS-78B, CIS-79 and CIS-81] or [CIS-68 and CIS-75]

Description: Creative organization and presentation of a body of work exhibiting portfolio-quality aptitude. Covers all aspects of creation and presentation of a professional portfolio for students of multimedia majors such as 3D modeling, animation, game design, game programming, mobile applications development and graphic design. Students will edit existing work to emphasize individual strengths and areas of specialization. Compilation of a professional resume and mock interviews will be completed by each student. 18 hours lecture and 54 hours laboratory.

**32939** Last day to add: 02/22/19

WE	02/11/19	06/07/19	05:45PM	06:35PM	W	STEM 125
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WEL	02/11/19	06/07/19	04:10PM	05:35PM	M	STEM 125
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WEL2	02/11/19	06/07/19	04:10PM	05:35PM	W	STEM 125
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**Instructor:** T Dunipace

## GAM-44 Portfolio Production 2 UNITS

**Prerequisite:** GAM-23 or GAM-32 or GAM-46 or GAM-48 or GAM-52 or MUC-6 or [ART-22, ART-39, CIS-59, CIS-66, CIS-78B, CIS-79 and CIS-81] or [CIS-68 and CIS-75]

Description: Creative organization and presentation of a body of work exhibiting portfolio-quality aptitude. Covers all aspects of creation and presentation of a professional portfolio for students of multimedia majors such as 3D modeling, animation, game design, game programming, mobile applications development and graphic design. Students will edit existing work to emphasize individual strengths and areas of specialization. Compilation of a professional resume and mock interviews will be completed by each student. 18 hours lecture and 54 hours laboratory.

**32352** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:30PM	07:20PM	T	STEM 125
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WEL	02/11/19	06/07/19	06:30PM	07:20PM	TH	STEM 125
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WEL2	02/11/19	06/07/19	07:30PM	08:35PM	TTH	STEM 125
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The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

**Instructor:** T Dunipace

## GAM-50 Introduction to Game Programming 3 UNITS

**Prerequisite:** None.

Description: A first course in programming for games stressing fundamental programming principles. Computer programming logic is introduced with hands on game development projects using an industry standard game engine. No previous computer programming experience is required. (Same as CIS-50)

**32353** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	09:15AM	10:40AM	W	STEM 115
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HYBO	02/11/19	06/07/19				ON LINE
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HYBLO	02/11/19	06/07/19				ON LINE
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The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Half of the lecture time and the designated 18-hour laboratory requirement is completed online.

**Instructor:** J Finley

## GAM-51 Game Mechanics and Simulation 3 UNITS

**Prerequisite:** GAM-50 and MAT-35

Description: Introduction to practical applications of mathematics and physics techniques related to various areas of game programming. This course provides a specialized focus on core fundamentals in game engine programming and gameplay scripting. 54 hours lecture and 18 hours laboratory. (TBA option)

**32354** Last day to add: 02/22/19

WE	02/11/19	06/07/19	04:10PM	05:35PM	MW	STEM 115
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WEL	02/11/19	06/07/19	05:45PM	06:35PM	M	STEM 115
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The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

**Instructor:** J Ruiz

## GAM-53 Game Engine Scripting II 3 UNITS

**Prerequisite:** GAM-52

Description: Extended concepts in core programming as it pertains to game engine scripting. Advanced concepts in scripted languages are explored to allow for more complex simulations to further drive industry standard game engines. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade only.)

**32926** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:30PM	03:55PM	MW	STEM 115
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WEL	02/11/19	06/07/19	01:30PM	02:20PM	M	STEM 115
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**Instructor:** Staff

## GAM-70 Computer Skills for Game Art 2 UNITS

**Prerequisite:** None

Description: Introduction to fundamental computer concepts related to typical functions required of a game artist. Understanding computer navigation and peripherals used to input information which is unique to Game Design and Digital Media will be the focus. Standard file management, navigation, storage, and multiple backup techniques for files are taught as well as basic scanning techniques, appropriate use of internet resources, copyright issues and an introduction to graphic file formats. 18 hours lecture and 6 hours laboratory. (TBA option)

**32355** Last day to add: 03/05/19

WE	02/22/19	06/07/19	08:30AM	09:35AM	F	STEM 125
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WEL	02/22/19	06/07/19	09:45AM	01:20PM	F	STEM 125
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The above section is a short term web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class. Please note the start and end dates.

**Instructor:** Staff

## GAM-79B Game Studio: Character Modeling 4 UNITS

**Prerequisite:** GAM-41 and GAM-82

Corequisite: GAM-33

Description: This is the culminating class in the area of character modeling for game art. Students work in interdisciplinary teams to develop and complete an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. Upon completion of the course students will have an original working digital game demo, that is feature and content complete and portfolio ready. 54 hours lecture and 54 hours laboratory. (TBA option)

**32357** Last day to add: 03/05/19

WE	02/22/19	06/07/19	08:00AM	11:35AM	F	STEM 115
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WEL	02/22/19	06/07/19	11:45AM	03:20PM	F	STEM 115
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The above section is a short term web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class. Please note the start and end dates.

**Instructor:** J Ruiz





## GAM-79C Game Studio: Environments and Vehicles 4 UNITS

**Prerequisite:** GAM-46

Description: This is the culminating class in the area of developing environments and vehicles for games. Students work in interdisciplinary teams to develop and complete an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. Upon completion of the course students will have an original working digital game demo, that is feature and content complete and portfolio ready. 54 hours lecture and 54 hours laboratory. (TBA option)

**32358** Last day to add: 03/05/19

WE 02/22/19 06/07/19 08:00AM 11:35AM F STEM 115

WEL 02/22/19 06/07/19 11:45AM 03:20PM F STEM 115

The above section is a short term web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class. Please note the start and end dates.

**Instructor:** J Ruiz

## GAM-79D Game Studio Production: Audio 4 UNITS

**Prerequisite:** MUC-6

Description: This is the culminating class in the area of game audio. Students work in interdisciplinary teams to develop and complete an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. Upon completion of the course students will have an original working digital game demo, that is feature and content complete and portfolio ready. 54 hours lecture and 54 hours laboratory.

**32359** Last day to add: 03/05/19

WE 02/22/19 06/07/19 08:00AM 11:35AM F STEM 115

WEL 02/22/19 06/07/19 11:45AM 03:20PM F STEM 115

The above section is a short term web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class. Please note the start and end dates.

**Instructor:** J Ruiz

## GAM-79E Game Studio: Game Design Capstone 4 UNITS

**Prerequisite:** GAM-24

Description: This is the culminating class in the game design track of game development. Students work in interdisciplinary teams to develop and complete an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. Upon completion of the course students will have an original working digital game demo, that is feature and content complete and portfolio ready. 54 hours lecture and 54 hours laboratory. (TBA option)

**32360** Last day to add: 03/05/19

WE 02/22/19 06/07/19 08:00AM 11:35AM F STEM 115

WEL 02/22/19 06/07/19 11:45AM 03:20PM F STEM 115

The above section is a short term web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class. Please note the start and end dates.

**Instructor:** J Ruiz

## GAM-79F Game Studio Production: Game Programming 4 UNITS

**Prerequisite:** GAM-52

Description: This is the culminating class in the game programming track. Students work in interdisciplinary teams to develop and complete an original digital game. The classroom production environment utilizes game industry production practices and constructs including milestones and deliverables. Upon completion of the course students will have an original working digital game demo, that is feature and content complete and portfolio ready. 54 hours lecture and 54 hours laboratory. (TBA option)

**32361** Last day to add: 03/05/19

WE 02/22/19 06/07/19 08:00AM 11:35AM F STEM 115

WEL 02/22/19 06/07/19 11:45AM 03:20PM F STEM 115

The above section is a short term web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class. Please note the start and end dates.

**Instructor:** J Ruiz

## GAM-80 Digital Drawing for Game Art 4 UNITS

**Prerequisite:** None

Description: Introduction to digital drawing techniques using industry standard software. Topics include usage of digital drawing hardware, digital image manipulation, techniques for digitally painting custom textures, exploration of the elements of art as they apply to games, composition, and perspective, layout design, character design, and concept development. Includes development of observational, motor, and creative skills. Use of layers, layer styles, adjustment layers and blending modes. 54 hours lecture and 54 hours laboratory. (TBA option)

**32362** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:05AM TTH IT 125

WEL 02/11/19 06/07/19 11:15AM 12:40PM TTH IT 125

The above section is a web-enhanced class. Internet access is required. Designated laboratory hours are included in the meeting times for this class.

**Instructor:** G Marquez

## GAM-81 3D Modeling and Texturing 4 UNITS

**Prerequisite:** GAM-80

Description: This course introduces the concepts of 3D Modeling in a virtual environment. Emphasis is on the introduction of three-dimensional concepts, the use of modeling tools, and menu structures within applications of 3D design systems. This course also covers the process by which 3D models are unwrapped and textured using industry standard techniques and software. Skills taught in this course will give students the ability to create original three-dimensional computer generated models of organic or mechanical design, as well as apply suitable textures to these assets. 54 hours lecture and 54 hours laboratory. (TBA option)

**32940** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM TTH STEM 115

WEL 02/11/19 06/07/19 04:10PM 05:35PM TTH STEM 115

The above section is a web-enhanced class. Internet access is required.

**Instructor:** R Bourbeau



## GEOGRAPHY

### GEG-1 Physical Geography 3 UNITS

**Prerequisite:** None

Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

**32364** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 07:35AM 09:00AM MW ATEC 205

**Instructor:** Staff

### GEG-1 Physical Geography 3 UNITS

**Prerequisite:** None

Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

**32365** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 08:00AM 09:25AM TTH ATEC 205

**Instructor:** Staff

### GEG-1 Physical Geography 3 UNITS

**Prerequisite:** None

Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

**32367** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 11:10AM 12:35PM MW ATEC 114

**Instructor:** Staff

### GEG-1 Physical Geography 3 UNITS

**Prerequisite:** None

Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

**33027** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 04:10PM 05:35PM MW ATEC 205

**Instructor:** Staff

### GEG-1 Physical Geography 3 UNITS

**Prerequisite:** None

Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

**32366** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:00PM 07:25PM MW ATEC 205

**Instructor:** Staff

### GEG-1 Physical Geography 3 UNITS

**Prerequisite:** None

Description: The interacting physical processes of air, water, land, and life that impact Earth's surface. Topics include weather and climate, the water cycle, landforms and plate tectonics, and the characteristics of plant and animal life. Emphasis is on interrelationships among systems and processes and their resulting patterns and distributions. There is a heavy emphasis on maps as descriptive and analytical tools. Students may not receive credit for both GEG-1 and GEG-1H. 54 hours lecture.

**32368** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:00PM 09:10PM T ATEC 205

**Instructor:** Staff

### GEG-1L Physical Geography Laboratory 1 UNIT

**Prerequisite:** None

Corequisite: GEG-1DE or GEG-1H

Description: Practical application of scientific principles through geographically based in-class exercises using a variety of tools, such as maps, photos, and data in various forms. 54 hours laboratory.

**32372** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 09:15AM 10:40AM MW ATEC 205

**Instructor:** Staff

### GEG-1L Physical Geography Laboratory 1 UNIT

**Prerequisite:** None

Corequisite: GEG-1DE or GEG-1H

Description: Practical application of scientific principles through geographically based in-class exercises using a variety of tools, such as maps, photos, and data in various forms. 54 hours laboratory.

**32370** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 09:40AM 11:05AM TTH ATEC 205

**Instructor:** Staff

### GEG-1L Physical Geography Laboratory 1 UNIT

**Prerequisite:** None

Corequisite: GEG-1DE or GEG-1H

Description: Practical application of scientific principles through geographically based in-class exercises using a variety of tools, such as maps, photos, and data in various forms. 54 hours laboratory.

**32369** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 11:10AM 12:35PM MW ATEC 205

**Instructor:** Staff



## GEG-1L Physical Geography Laboratory 1 UNIT

**Prerequisite:** None

**Corequisite:** GEG-1DE or GEG-1H

Description: Practical application of scientific principles through geographically based in-class exercises using a variety of tools, such as maps, photos, and data in various forms. 54 hours laboratory.

**32371** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 12:45PM 02:10PM MW ATEC 205

**Instructor:** Staff

## GEG-1L Physical Geography Laboratory 1 UNIT

**Prerequisite:** None

**Corequisite:** GEG-1DE or GEG-1H

Description: Practical application of scientific principles through geographically based in-class exercises using a variety of tools, such as maps, photos, and data in various forms. 54 hours laboratory.

**32373** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 06:00PM 09:10PM TH ATEC 205

**Instructor:** Staff

## GEG-2 Human Geography 3 UNITS

**Prerequisite:** None.

Description: The geographic analysis of the human imprint on the planet. Topics include population, food, language, religion, economic activity, physical environment and political geography.

**32374** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 02:30PM 03:55PM MW ATEC 205

**Instructor:** Staff

## GEG-5 Weather and Climate 3 UNITS

**Prerequisite:** None.

Description: The nature and causes of common meteorological phenomena, severe weather occurrences, and climatic patterns. (Same as PHS-5)

**32376** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 02:30PM 03:55PM TTH ATEC 205

**Instructor:** Staff

## GUIDANCE

### GUI-45 Introduction to College 1 UNIT

**Prerequisite:** None

Description: Guidance 45 is designed to introduce academic and occupational programs, college resources and personal factors that contribute to success as a college student. This course includes an extensive exploration of Riverside Community College District resources and policies, orientation to college life, student rights and responsibilities, as well as certificates, graduation and transfer requirements. Students will prepare a Student Educational Plan (S.E.P.). Outcomes of higher education will be discussed through the exploration and application of sociological and psychological principles that lead to success in college and in accomplishing goals. As a result of class activities and exploration of factors influencing educational decisions, class members will be able to utilize the information obtained in class to contribute to their college success. 18 hours lecture. (Pass/No Pass only.)

**32865** Last day to add: 02/18/19

OL 02/12/19 04/02/19 08:15AM 09:20AM TH ATEC 204

This section is a short term hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end date.

**Instructor:** Staff

### GUI-46 Intro Transfer Process 1 UNIT

**Prerequisite:** None.

Description: Survey of transfer requirements with hands-on activities through the application process for students transferring to four-year institutions.

**32378** Last day to add: 02/16/19

HYB 02/12/19 04/02/19 08:15AM 09:20AM T ATEC 204

HYBO 02/12/19 04/02/19 ON LINE

The above section is a short term hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end date.

**Instructor:** Staff

### GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning; topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32383** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** Staff

### GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning; topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32870** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com)

**Instructor:** Staff

### GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning; topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**33030** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

This above section is an online class. Computer with internet access required.

See [www.opencampus.com](http://www.opencampus.com)

**Instructor:** Staff



## GUI-47 Career Exploration and Life Planning

3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32379** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT 127

The above section is a web-enhanced class. Internet access is required. The above section is designed with special emphasis on African American culture. See the Umoja (T3P) counselor prior to enrolling.

**Instructor:** A Davis

## GUI-47 Career Exploration and Life Planning

3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32382** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT 106

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## GUI-47 Career Exploration and Life Planning

3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32385** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH STEM 302

This above section is a web-enhanced class. Internet access required. Enrollment in this above course requires participation in Norco College's First Year Experience Program

**Instructor:** Staff

## GUI-47 Career Exploration and Life Planning

3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32868** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH LIBR 110

This above section is a web-enhanced class. Internet access required. Enrollment in this above course requires participation in Norco College's First Year Experience Program

**Instructor:** Staff

## GUI-47 Career Exploration and Life Planning

3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32387** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 09:00AM 10:25AM TTH CRC CRCUR15

This class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

**Instructor:** Staff

## GUI-47 Career Exploration and Life Planning

3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32869** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW IT 101

This above section is a web-enhanced class. Internet access required. Enrollment in this above course requires participation in Norco College's First Year Experience Program

**Instructor:** Staff



## GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32384** Last day to add: 02/22/19

WE 02/11/19 06/07/19 10:15AM 11:40AM TTH IT 110

The above section is a web-enhanced class. Internet access is required. The above section is designed for students in the Puente Program with special emphasis on Latino culture and requires concurrent enrollment in ENG-1B-32994. See the Puente counselor prior to enrolling.

**Instructor:** M Jurado-Martinez

## GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32388** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM MW IT 106

This above section is a web-enhanced class. Internet access required. Enrollment in this above course requires participation in Norco College's First Year Experience Program

**Instructor:** Staff

## GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32867** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH IT 127

The above section is designed with emphasis on African American culture. See the UMOJA counselor before enrolling.

**Instructor:** A Bailey

## GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32386** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 12:30PM 01:55PM TTH CRC CRCL609B

This section is part of Norco College's Next Phase Partnership with CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

**Instructor:** Staff

## GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32381** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM MW ATEC 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Moore

## GUI-47 Career Exploration and Life Planning 3 UNITS

**Prerequisite:** None

Description: In depth career and life planning: topics include extensive exploration of one's values, interests and abilities; life problem-solving and self-management skills; adult development theory and the changes that occur over the life span; self-assessment including identifying one's skills and matching personality with work. An intensive career investigation; decision making, goal setting and job search strategies, as well as resume writing and interviewing skills will also be addressed. This course is designed to assist those students considering the transition of a career change or undecided about the selection of a college major. 54 hours lecture.

**32380** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 07:35PM 09:00PM TH IT 111

HYBO 02/11/19 06/07/19 ON LINE

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** Staff



## GUI-48 College Success Strat

2 UNITS

**Prerequisite:** None.

Description: Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.

**33024** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** Staff

## GUI-48 College Success Strat

2 UNITS

**Prerequisite:** None.

Description: Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.

**32872** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 12:45PM 02:00PM M IT 106

HYBO 02/11/19 06/07/19 ON LINE

This above section is a hybrid class. Internet access is required.

**Instructor:** Staff

## GUI-48 College Success Strat

2 UNITS

**Prerequisite:** None.

Description: Exploration of various learning strategies. Students will identify their own learning styles and utilize that information to succeed in college.

**32873** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM TTH ATEC 205

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## HEALTH SCIENCE

### HES-1 Health Science (same As Bio-35)

3 UNITS

**Prerequisite:** None

Description: A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.

**32391** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH THTR 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### 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.

**32390** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 09:15AM 10:40AM MW THTR 101

**Instructor:** Staff

### 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.

**32392** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:05AM TTH THTR 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### 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.

**32396** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 11:10AM 12:35PM MW THTR 101

**Instructor:** Staff

### 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.

**32397** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 11:15AM 12:40PM TTH WEQW7

**Instructor:** Staff

### 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.

**32389** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW IT 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### 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.

**32398** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM MW THTR 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff



## HES-1 Health Science (same As Bio-35) 3 UNITS

**Prerequisite:** None

Description: A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.

**32393** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T WEQ W6A

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## HES-1 Health Science (same As Bio-35) 3 UNITS

**Prerequisite:** None

Description: A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.

**32394** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM W IT 202

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## HES-1 Health Science (same As Bio-35) 3 UNITS

**Prerequisite:** None

Description: A basic study of various aspects of health including anatomy and physiology of the body, concepts of prevention, practical advises for healthy life style, treatments and cure of major diseases. This course satisfies the California requirement in drug, alcohol, tobacco and nutrition education for teacher certification.

**32395** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:00PM 09:10PM TH WEQ W6A

**Instructor:** Staff

## HISTORY

## HIS-2 History of World Civilizations II 3 UNITS

**Prerequisite:** None

Advisory: REA-83 and qualification for ENG-1A

Description: A survey of the evolution of modern world civilizations from the 16th century emergence of new global political, economic, social, and intellectual patterns, through the era of industrialization and imperialism, to the world wars of the 20th century and the present. 54 hours lecture.

**32400** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Kyriakos

## HIS-6 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

**32775** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** C Day

## HIS-6 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

**32403** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:35AM 09:00AM MW HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Russell

## HIS-6 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

**32404** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Russell

## HIS-6 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

**32408** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Russell



## HIS-6 Political and Social History of the United States

3 UNITS

**Prerequisite:** None

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

**32405** Last day to add: 03/05/19

WE 02/22/19 06/07/19 10:30AM 01:50PM F HUM 103

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** H Vion

## HIS-6 Political and Social History of the United States

3 UNITS

**Prerequisite:** None

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

**32406** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM M HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Hickerson

## HIS-6 Political and Social History of the United States

3 UNITS

**Prerequisite:** None

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

**32407** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T WEQ W7

The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Knight

## HIS-6 Political and Social History of the United States

3 UNITS

**Prerequisite:** None

Description: Political, social, and economic development of the United States from precolonial background and colonial foundations to 1877; the evolution of American thought and institutions; principles of national, state, and local government. Students may not receive credit for both HIS-6 and and HIS-6H. 54 hours lecture.

**32402** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM TH IT 109

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Hickerson

## 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.

**32418** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** D Reina

## HIS-7 Political and Social History of the United States

3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**32411** Last day to add: 03/06/19

WE 02/23/19 06/01/19 08:00AM 12:05PM S HUM 103

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** M Hickerson

## 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.

**32413** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM MW HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Kyriakos

## HIS-7 Political and Social History of the United States

3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**32414** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Kyriakos





## HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**32415** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM TTH HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Kyriakos

## HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**32416** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM MW HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Kyriakos

## HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**32420** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM TTH HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Russell

## HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**32419** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM M HUM 111

The above section is a web-enhanced class. Internet access is required.

**Instructor:** H Vion

## HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**32941** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T STEM 201

The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Delgadillo

## HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**32417** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM W HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** D Reina

## HIS-7 Political and Social History of the United States 3 UNITS

**Prerequisite:** None

Description: Political, social and economic development of the United States from 1877 to the present; the evolution of American thought and institution; principles of national, state, and local government. Students may not receive credit for both HIS-7 and HIS-7H. 54 hours lecture.

**32412** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM TH ATEC 114

The above section is a web-enhanced class. Internet access is required.

**Instructor:** H Vion

## HIS-26 History of California 3 UNITS

**Prerequisite:** None

Description: A survey of the history of California from the pre-Columbian period to the present, with emphasis on the period since statehood in 1850. 54 hours lecture.

**32774** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:05AM TTH HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Russell

## HIS-31 Introduction to Chicano/a Studies 3 UNITS

**Prerequisite:** None

Description: This course is a survey of regional Chicano/a population historical and cultural roots, and social problems from the Spanish and Mexican colonial period to the present. Included is an examination of the principles of state and local government as well as political, economic and social forces as they relate to contemporary Chicano/a problems. Considers the Constitution of the United States and its relevance to Chicanos as Americas second largest minority group. 54 hours lecture.

**32776** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T HUM 103

The above section is a web-enhanced class. Internet access is required.

**Instructor:** D Reina



## HUMANITIES

### HUM-5 Arts and Ideas: Renaissance through the Modern Era 3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for English 1A

Description: An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, photography, cinema, media, and religion of Western civilization. The cultural achievements of the Renaissance, Enlightenment, Romantic, Modern and post-modern periods are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to contemporary thought. Students may not receive credit for both HUM-5 and HUM-5H. 54 hours lecture.

**32427** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** M Bobo

### HUM-5 Arts and Ideas: Renaissance through the Modern Era 3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for English 1A

Description: An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, photography, cinema, media, and religion of Western civilization. The cultural achievements of the Renaissance, Enlightenment, Romantic, Modern and post-modern periods are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to contemporary thought. Students may not receive credit for both HUM-5 and HUM-5H. 54 hours lecture.

**32908** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:00AM TTH ATEC 210

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Bobo

### HUM-5H Honors Arts and Ideas: The Renaissance through the Modern Era 3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for English 1A Limitation on enrollment: Enrollment in Honors Program

Description: An interdisciplinary study of the cultural movements in art, architecture, literature, music, philosophy, photography, cinema, media, and religion of Western civilization. The cultural achievements of the Renaissance, Enlightenment, Romantic, Modern and post-Modern periods are studied to develop an understanding of their philosophical ideas, values, cultural meaning, artistic form, and contributions to modern thought. This Honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, discussions and projects generated and led by students, a focus on primary texts in translation, and the applications of higher-level thinking and writing skills analysis, synthesis, and evaluation. Students may not receive credit for both HUM-5 and HUM-5H. 54 hours lecture.

**32913** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT 208

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Bobo

### HUM-10 World Religions 3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for English 1A

Description: Thought and concepts of the major religious systems, including primal religions, extinct religions, Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, Shintoism, Zoroastrianism, Judaism, Christianity, and Islam. Students may not receive credit for both HUM-10 and HUM-10H. 54 hours lecture.

**32424** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** M Bobo

### HUM-10 World Religions 3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for English 1A

Description: Thought and concepts of the major religious systems, including primal religions, extinct religions, Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, Shintoism, Zoroastrianism, Judaism, Christianity, and Islam. Students may not receive credit for both HUM-10 and HUM-10H. 54 hours lecture.

**32423** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW WEQW7

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Bobo

### HUM-10 World Religions 3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for English 1A

Description: Thought and concepts of the major religious systems, including primal religions, extinct religions, Hinduism, Buddhism, Jainism, Sikhism, Confucianism, Taoism, Shintoism, Zoroastrianism, Judaism, Christianity, and Islam. Students may not receive credit for both HUM-10 and HUM-10H. 54 hours lecture.

**32422** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 05:40PM TTH IT 117

The above section is a web-enhanced class. Internet access is required.

**Instructor:** D Ketcham

### 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.

**32421** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T ATEC 114

The above section is a web-enhanced class. Internet access is required.

**Instructor:** D Ketcham



## HUM-11 Religion in America

3 UNITS

**Prerequisite:** None

Advisory: HUM-10, REA-83 and qualification for ENG-1A

Description: Thought and practice of American religious traditions, including Native American practices, Protestantism, American religious sects (Mormons, Seventh-Day Adventists), Catholicism, Judaism, and Asian religions. Attention is also directed to the relationship between religion and politics, and religion and the different ethnic and racial groups of American culture. Course requires participant observation in different religious settings. 54 hours lecture.

**32907** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM TTH STEM 201

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Bobo

## HUM-16 Arts and Ideas: American Culture

3 UNITS

**Prerequisite:** None

Advisory: REA-83 and qualification for ENG-1A.

Description: An interdisciplinary survey of the cultural movements in art, architecture, literature, music, philosophy, and religion of American culture. American culture is studied in the context of American political culture, economic and industrial transformation, and the changing shape of American society. American arts and ideals are examined from the colonial period through the present. 54 hours lecture. (Letter grade only)

**33013** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW STEM 302

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Bobo

## INTERDISCIPLINARY STUDIES

### ILA-1 Introduction to Tutor Training

1 UNIT

**Prerequisite:** None

Advisory: Qualification for ENG-1A

Description: Introduction to tutoring, with an emphasis on tutoring strategies, learning styles, problem solving, and working with diverse student populations. Designed to prepare students to become peer tutors in a variety of subject areas. Tutors develop student-centered, non-intrusive tutoring skills to meet a wide variety of student needs. Topics include theory, practice and ethics of tutoring, interpersonal communications techniques, tutoring diverse student populations, and group tutorial methods and practical field work. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32429** Last day to add:

LEC 02/11/19 06/07/19 05:30PM 08:20PM TH CACT 1

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** Staff

### ILA-3 Student Resiliency

1 UNIT

**Prerequisite:** None

Description: This participatory course trains students how to a

**32930** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:40AM 07:30AM W CENT 963

The above section is restricted to Centennial High School students participating in Norco College's Dual Enrollment Program.

**Instructor:** CVoss

### ILA-3 Student Resiliency

1 UNIT

**Prerequisite:** None

Description: This participatory course trains students how to a

**32931** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:40AM 07:30AM W CENT 957

The above section is restricted to Centennial High School students participating in Norco College's Dual Enrollment Program.

**Instructor:** A Thompson

### ILA-3 Student Resiliency

1 UNIT

**Prerequisite:** None

Description: This participatory course trains students how to a

**32933** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 07:30AM 08:20AM W JVHS D-24

The above section is restricted to Jurupa Valley High School students participating in Norco College's Dual Enrollment Program.

**Instructor:** A Jimenez

### ILA-3 Student Resiliency

1 UNIT

**Prerequisite:** None

Description: This participatory course trains students how to a

**32925** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 07:40AM 08:30AM W ERHS B208

The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program.

**Instructor:** L Martin

### ILA-3 Student Resiliency

1 UNIT

**Prerequisite:** None

Description: This participatory course trains students how to a

**32928** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 07:40AM 08:30AM W ERHS B102

The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program.

**Instructor:** J Mendez

### ILA-3 Student Resiliency

1 UNIT

**Prerequisite:** None

Description: This participatory course trains students how to a

**32929** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 07:40AM 08:30AM W ERHS B203

The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program.

**Instructor:** M Sinclair

### ILA-3 Student Resiliency

1 UNIT

**Prerequisite:** None

Description: This participatory course trains students how to a

**32932** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 01:45PM 02:35PM T LSHS 104

The above section is restricted to La Sierra High School students participating in Norco College's Dual Enrollment Program.

**Instructor:** J Frith



## ILA-3 Student Resiliency 1 UNIT

**Prerequisite:** None

Description: This participatory course trains students how to a  
32934 **Last day to add: 02/22/19**

LEC 02/11/19 06/07/19 03:30PM 04:20PM W NOHS B41

The above section is restricted to Norco High School students participating in Norco College's Dual Enrollment Program.

**Instructor:** D Bell

## KINESIOLOGY

### KIN-4 Nutrition 3 UNITS

**Prerequisite:** None

Description: The principles of modern nutrition and its application. The importance of a scientific knowledge of nutrition, specific food nutrients and nutritional controversies. A study of modern convenience foods and their impact on present day diets. 54 hours lecture.

32761 **Last day to add: 02/22/19**

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** S Witmer

### 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.

32762 **Last day to add: 02/22/19**

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** Staff

### KIN-4 Nutrition 3 UNITS

**Prerequisite:** None

Description: The principles of modern nutrition and its application. The importance of a scientific knowledge of nutrition, specific food nutrients and nutritional controversies. A study of modern convenience foods and their impact on present day diets. 54 hours lecture.

32441 **Last day to add: 02/22/19**

LEC 02/11/19 06/07/19 08:00AM 09:25AM TTH WEQW7

**Instructor:** T Wallstrom

### KIN-4 Nutrition 3 UNITS

**Prerequisite:** None

Description: The principles of modern nutrition and its application. The importance of a scientific knowledge of nutrition, specific food nutrients and nutritional controversies. A study of modern convenience foods and their impact on present day diets. 54 hours lecture.

32442 **Last day to add: 02/22/19**

LEC 02/11/19 06/07/19 09:40AM 11:05AM TTH WEQW7

**Instructor:** T Wallstrom

### KIN-4 Nutrition 3 UNITS

**Prerequisite:** None

Description: The principles of modern nutrition and its application. The importance of a scientific knowledge of nutrition, specific food nutrients and nutritional controversies. A study of modern convenience foods and their impact on present day diets. 54 hours lecture.

32443 **Last day to add: 02/22/19**

WE 02/11/19 06/07/19 06:00PM 09:10PM W WEQW7

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### KIN-10 Introduction to Kinesiology 3 UNITS

**Prerequisite:** None.

Description: The study of human movement, sub-disciplines in Kinesiology and career opportunities.

32433 **Last day to add: 02/22/19**

WE 02/11/19 06/07/19 12:45PM 02:10PM MW IT 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Witmer

### KIN-10 Introduction to Kinesiology 3 UNITS

**Prerequisite:** None.

Description: The study of human movement, sub-disciplines in Kinesiology and career opportunities.

32432 **Last day to add: 02/22/19**

LEC 02/11/19 06/07/19 06:00PM 09:10PM TH WEQW3

**Instructor:** Staff

### KIN-16 Introduction to Athletic Training 3 UNITS

**Prerequisite:** None.

Description: Analyzes and applies basic concepts of athletic training with emphasis on care and prevention of athletic injuries.

32434 **Last day to add: 02/22/19**

LEC 02/11/19 06/07/19 04:15PM 06:45PM T WEQW3

LAB 02/11/19 06/07/19 07:00PM 08:25PM T WEQW3

**Instructor:** Staff

### KIN-30 First Aid and CPR 3 UNITS

**Prerequisite:** None.

Description: Earn "National Safety Council Advanced First Aid" and "American Heart Association Healthcare Professional" certificates. First Aid and CPR fees totaling \$20.00 will be charged to the student and are not covered by BOGW. Drop deadlines for non-payment apply.

32436 **Last day to add: 02/22/19**

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH WEQW3

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Witmer



## KIN-30 First Aid and CPR

3 UNITS

**Prerequisite:** None.

Description: Earn "National Safety Council Advanced First Aid" and "American Heart Association Healthcare Professional" certificates. First Aid and CPR fees totaling \$20.00 will be charged to the student and are not covered by BOGW. Drop deadlines for non-payment apply.

**32437** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW WEQ W3

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## KIN-30 First Aid and CPR

3 UNITS

**Prerequisite:** None.

Description: Earn "National Safety Council Advanced First Aid" and "American Heart Association Healthcare Professional" certificates. First Aid and CPR fees totaling \$20.00 will be charged to the student and are not covered by BOGW. Drop deadlines for non-payment apply.

**32435** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:00PM 09:10PM W WEQ W3

**Instructor:** Staff

## KIN-35 Foundation for Fitness and Wellness

3 UNITS

**Prerequisite:** None

Description: This course will provide students with the ability to make informed choices and to take responsibility for those choices in the areas of fitness, nutrition, and stress management. Emphasis is on the application of health and physical fitness principles. Each student will develop a personalized plan for the overall maintenance of their own wellness. 36 hours lecture and 54 hours laboratory.

**32438** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 08:00AM 08:50AM M WEQ W3

LEC2 02/11/19 06/07/19 08:00AM 09:05AM W WEQ W3

LAB 02/11/19 06/07/19 09:15AM 10:40AM MW WEQ W8

**Instructor:** Staff

## KIN-36 Wellness: Lifestyle Choices

3 UNITS

**Prerequisite:** None.

Description: Studies the various dimensions of wellness as they relate to living a positive, healthy life.

**32439** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 09:40AM 11:05AM TTH WEQ W3

**Instructor:** B Wimer

## KIN-36 Wellness: Lifestyle Choices

3 UNITS

**Prerequisite:** None.

Description: Studies the various dimensions of wellness as they relate to living a positive, healthy life.

**32440** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 11:15AM 12:40PM TTH WEQ W3

**Instructor:** B Wimer

## KIN-38 Stress Management

3 UNITS

**Prerequisite:** None.

Description: The nature, physiology, and psychology of stress. Students will explore perceptions, attitudes, beliefs, and lifestyle factors that may be pre-cursors and contributors to distress. Students will also explore a variety of coping strategies and relaxation techniques. The lab portion of this class provides the opportunity for students to practice techniques and develop a personalized stress management program. 45 hours lecture and 27 hours laboratory.

**33012** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 11:10AM 12:35PM MW WEQ W3

LAB 02/11/19 06/07/19 10:10AM 11:00AM MW WEQ W2

**Instructor:** B Wimer

## KIN-A40 Karate, Beginning

1 UNIT

**Prerequisite:** None

Description: This course in beginning karate will develop the basic skills needed for the art of unarmed self-defense. This includes the use of blocking, shifting, punching, striking, and kicking. Karate will also develop speed, grace of movement, self-confidence, poise, mental alertness, strength, endurance, and muscular control. Karate is a physical art and a sport that anyone, irrespective of size, age, or sex, can practice according to his or her own capabilities. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32444** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 12:45PM 02:10PM MW WEQ W2

**Instructor:** Staff

## KIN-A41 Karate, Intermediate

1 UNIT

**Prerequisite:** None

Advisory: KIN-A40

Description: This course in intermediate karate is designed for the student wishing to review basic self defense skills and begin work on higher skills, develop intermediate level skills in unarmed self defense, and learn basic skills in kumite (free fighting). 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32445** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 12:45PM 02:10PM MW WEQ W2

**Instructor:** Staff

## KIN-A46 Hatha Yoga, Beginning

1 UNIT

**Prerequisite:** None.

Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.

**32446** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 08:00AM 09:25AM TTH WEQ W2

**Instructor:** Staff

## KIN-A46 Hatha Yoga, Beginning

1 UNIT

**Prerequisite:** None.

Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.

**32447** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 09:15AM 10:40AM MW WEQ W2

**Instructor:** Staff



## KIN-A46 Hatha Yoga, Beginning

1 UNIT

**Prerequisite:** None.

Description: Develops physical and mental wellness by exercises for breathing, concentration, flexibility, strength and relaxation.

**32448** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 09:40AM 11:05AM TTH WEQ W2

**Instructor:** Staff

## KIN-A47 Hatha Yoga, Intermediate

1 UNIT

**Prerequisite:** None

Advisory: KIN-A46

Description: This course offers intermediate Hatha yoga exercises to improve students physical and mental wellness. The yoga exercises will be taught to promote improvement in yoga breathing techniques, concentration, muscular flexibility, strength and endurance, balance and meditation techniques. KIN-A46 and A47 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32449** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 09:40AM 11:05AM TTH WEQ W2

**Instructor:** Staff

## KIN-A64 Soccer

1 UNIT

**Prerequisite:** None

Description: This course is designed to introduce students to the rules, basic skills, and offensive/defensive strategy in soccer. Emphasis will be placed on improving individual skills and applying these skills to game situations. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32450** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 08:00AM 09:25AM TTH SOCR 2

**Instructor:** Staff

## 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.)

**32451** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 09:15AM 10:40AM MW SOCR 2

**Instructor:** Staff

## KIN-A75B Walking for Fitness: Intermediate

1 UNIT

**Prerequisite:** None

Advisory: KIN-A75A

Description: This course is designed for students of intermediate fitness levels who would like to enhance and improve their cardiovascular fitness, basic strength and flexibility with more advanced walking strategies. Intermediate walking techniques will be utilized in establishing walking programs designed to promote improvements in cardiorespiratory endurance and body composition. KIN-A75A, A75B and A77 are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information, see section VIII regarding course repetition. 54 hours laboratory. (Letter grade or Pass/No Pass option.)

**32452** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 08:00AM 09:25AM TTH WEQ W8

**Instructor:** B Wimer

## KIN-A77B Jogging for Fitness, Intermediate

1 UNIT

**Prerequisite:** None

Advisory: KIN-A77A

Description: This course is designed for students of intermediate fitness levels who would like to enhance and improve their cardiovascular fitness and flexibility with jogging strategies. Jogging techniques will be utilized in establishing programs designed to promote improvements in cardiorespiratory endurance and body composition. The course is geared to all ages and is concerned with aspects of cardiovascular health and weight control. Emphasis will be on building endurance and strength by using stretching and jogging techniques for conditioning. KIN-A77A, A77B, and A77C are courses related in content and are limited in enrollment according to Title 5, section 55040. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32453** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 11:10AM 12:35PM MW WEQ W8

**Instructor:** Staff

## KIN-A81A Physical Fitness, Beginning

1 UNIT

**Prerequisite:** None

Description: This course is designed to give the student an overview of the basic concepts that affect total fitness. Personalized exercise programs in cardiovascular endurance, muscular strength, muscular endurance, and flexibility will be developed. KIN-A81A and A81B are courses related in content and are limited in enrollment according to Title 5, section 55040. For further information see section VIII regarding course repetition. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32454** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 12:45PM 02:10PM MW WEQ W8

**Instructor:** Staff

## 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.

**32455** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 02:30PM 03:55PM TTH WEQ W8

**Instructor:** Staff

## KIN-A90A Weight Training - Beginning

1 UNIT

**Prerequisite:** None.

Description: Weight training course designed to teach students the basic exercises for the development of the major muscles. Emphasis is placed on muscular strength, endurance and flexibility. 54 hours laboratory. (Letter grade, Pass/No pass option)

**33009** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 09:40AM 11:05AM TTH WEQ W8

**Instructor:** Staff

## KIN-A90A Weight Training - Beginning

1 UNIT

**Prerequisite:** None.

Description: Weight training course designed to teach students the basic exercises for the development of the major muscles. Emphasis is placed on muscular strength, endurance and flexibility. 54 hours laboratory. (Letter grade, Pass/No pass option)

**33008** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 02:30PM 03:55PM MW WEQ W8

**Instructor:** Staff



## KIN-V95 Out-Of-Season Sport Conditioning 1 UNIT

**Prerequisite:** None Limitation on enrollment: Retention based on successful tryout  
Description: This course is designed to teach advanced conditioning principles for the design and implementation of our out-of-season training programs in preparation for varsity sport competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32457** Last day to add: 02/22/19  
LAB 02/11/19 06/07/19 09:40AM 11:05AM TTH SOCR 2

**Instructor:** Staff

## KIN-V95 Out-Of-Season Sport Conditioning 1 UNIT

**Prerequisite:** None Limitation on enrollment: Retention based on successful tryout  
Description: This course is designed to teach advanced conditioning principles for the design and implementation of our out-of-season training programs in preparation for varsity sport competition. Subsequent enrollment in additional semesters will provide the student an opportunity for added skill competency development. May be taken a total of four times. 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32456** Last day to add: 02/22/19  
LAB 02/11/19 06/07/19 02:30PM 03:55PM MW SOCR 2

**Instructor:** Staff

## LIBRARY

### LIB-1 Introduction to Information Literacy 1 UNIT

**Prerequisite:** None

Description: Presents the fundamentals of the effective use of libraries to find, evaluate, interpret, and organize information from a variety of formats, both online and in print, to answer research questions and develop new ones. Through the use of information retrieval systems students will develop an understanding of and practices for the legal access to and ethical use of information. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32459** Last day to add: 02/19/19  
OL 02/11/19 04/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** M Castro

### LIB-1 Introduction to Information Literacy 1 UNIT

**Prerequisite:** None

Description: Presents the fundamentals of the effective use of libraries to find, evaluate, interpret, and organize information from a variety of formats, both online and in print, to answer research questions and develop new ones. Through the use of information retrieval systems students will develop an understanding of and practices for the legal access to and ethical use of information. 18 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32458** Last day to add: 04/21/19  
HYB 04/15/19 06/07/19 01:00PM 02:15PM W IT 106  
HYBO 04/15/19 06/07/19 ON LINE

The above section is a short term hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** S Seifried

## MANAGEMENT

### MAG-44 Principles of Management 3 UNITS

**Prerequisite:** None

Description: For those who are in management, preparing for a potential promotion or interested in the management process. Includes the primary functions of planning, organizing, controlling, and leading as well as related skills such as team development, motivation and communication techniques, and quality management. Also, social responsibility and a global perspective are emphasized. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32460** Last day to add: 02/18/19  
HYB 02/11/19 04/05/19 05:40PM 09:15PM TH JFK 226

HYBO 02/11/19 04/05/19 ON LINE

The above section is a short term hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** D Dokter

### MAG-47 Applied Business, Management Ethics 3 UNITS

**Prerequisite:** None.

Description: An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as BUS-47)

**32461** Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** D Dokter

### MAG-53 Human Relations 3 UNITS

**Prerequisite:** None.

Description: Practical application of basic psychology in building better employer-employee relationships.

**32462** Last day to add: 02/19/19  
OL 02/11/19 04/05/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** G Zwart

### MAG-53 Human Relations 3 UNITS

**Prerequisite:** None.

Description: Practical application of basic psychology in building better employer-employee relationships.

**32463** Last day to add: 02/16/19  
HYB 02/11/19 04/02/19 06:00PM 09:10PM T IT 108  
HYBO 02/11/19 04/02/19 ON LINE

The above section is a short term hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** E Davalos



## MAG-56 **Hrm: Human Resources Management** 3 UNITS

**Prerequisite:** None.

Description: Introduces techniques involving the selection, training, evaluation and promotion of employees.

**32464** Last day to add: 04/20/19

HYB 04/16/19 06/04/19 06:00PM 09:10PM T IT 108

HYBO 04/16/19 06/04/19 ON LINE

The above section is a short term hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** E Davalos

## MANUFACTURING TECHNOLOGY

### MAN-55 **Occupational Safety and Health Administration (OSHA) Standards for General Industry** 2 UNITS

**Prerequisite:** None

Description: Covers OSHA policies, procedures, and standards, as well as safety for general industry and health principles. Topics include scope and application of the OSHA general industry standards. Special emphasis is placed on those areas that are the most hazardous, using OSHA standards as a guide. Upon successful course completion, the student will receive either an OSHA 10 or 30 hour general industry or construction industry training completion card. 36 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32465** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** P Van Hulle

### MAN-56 **CNC Machine Set-Up and Operation** 4 UNITS

**Prerequisite:** None

Description: Fundamental skills related to the setup and operation of CNC (Computer Numerically Control) machine tools. Students will set up and operate CNC machine tools exposing them to CNC controllers and some CNC manual programming. Students will gain hands-on experience with CNC machine tools. 54 hours lecture and 54 hours laboratory.

**32466** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 07:25PM TTH CACT 2

WEL 02/11/19 06/07/19 07:35PM 09:00PM TTH CACT 2

The above section is a web-enhanced class. Internet access is required.

**Instructor:** P Van Hulle

### MAN-64 **Programmable Logic Controllers** 3 UNITS

**Prerequisite:** None

Advisory: ELE-10 or ELE-21

Description: Fundamentals of programmable logic controllers, with an emphasis on introductory programming of PLCs. Problem analysis with solutions that integrate programming formats, auxiliary commands and functions, common programming languages, and popular software programs used with PLCs. Installation, maintenance, troubleshooting and repair are inherent components. 36 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32468** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:05AM M IT 124

WE2 02/11/19 06/07/19 09:15AM 10:20AM W IT 124

WEL 02/11/19 06/07/19 09:15AM 12:25PM F IT 124

The above section is a web-enhanced class. Internet access is required.

**Instructor:** P Van Hulle

### MAN-73 **Electric Motors and Transformers** 4 UNITS

**Prerequisite:** None

Description: Enables electricians to understand and effectively wire most standard DC motors, servos and steppers, as well as many AC motors, including single and poly-phase units, from fractional horsepower to multi-horsepower, industrial giants. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32803** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 07:25PM MW IT 124

WEL 02/11/19 06/07/19 07:35PM 09:00PM MW IT 124

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### MAN-74 **Industrial Wiring and Controls (same As Elc/Ele-74)** 4 UNITS

**Prerequisite:** None

Description: Industrial controls and electrical wiring of modern facilities, manufacturing, or warehousing. Included will be production equipment, conveyor systems, hydraulic and pneumatic controls, power distribution, blueprint reading, electrical control wiring, PLC (programmable logic controller) control wiring, VFD (variable frequency drives) wiring and programming. 54 hours lecture and 54 hours laboratory. (Letter Grade or Pass/No Pass option)

**32779** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:20PM 03:45PM MW IT 124

WEL 02/11/19 06/07/19 03:55PM 05:20PM MW IT 124

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### MAN-77 **Electrical Theory** 3 UNITS

**Prerequisite:** None

Description: This course introduces students to electrical theory, Ohm's Law, magnetism, voltage inductance, capacitance, units of electric measurement, and proper usage of electrical test equipment (meters). Student will learn concepts of electrical energy, Kirchoff's law, Norton's and Thevenin's theorems, algebraic and trigonometric requirements to solve electrical problems for both (A/C) alternating current and (D/C) direct current circuits. Student will learn basic electrical safety procedures, including the proper usage and requirement of (PPE) personal protection equipment. 54 hours lecture. (Letter Grade or Pass/No Pass option.)

**32805** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:30PM 09:40PM M ATEC 119

WEL

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MATHEMATICS

### MAT-1A **Calculus I** 4 UNITS

**Prerequisite:** MAT-10 or qualifying placement level

Description: Functions, limits, continuity, differentiation, applications of the derivative and integration, the fundamental theorem of calculus and basic integration. 72 hours lecture and 18 hours laboratory. (Letter Grade or Pass/No Pass option)

**32501** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:30AM MWF WEQ W5

WEL 02/11/19 06/07/19 08:05AM 09:10AM F WEQ W5

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Zaragoza





## 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)

**32499** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:40AM	12:10PM	T	WEQ W5
WE2	02/11/19	06/07/19	09:40AM	11:10AM	TH	WEQ W5
WEL	02/11/19	06/07/19	11:15AM	12:10PM	TH	WEQ W5

The above section is a web-enhanced class. Internet access is required.

**Instructor:** B Lopez Segoviano

## 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)

**32500** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:00PM	04:30PM	T	WEQ W5
WE2	02/11/19	06/07/19	02:00PM	03:30PM	TH	WEQ W5
WEL	02/11/19	06/07/19	03:35PM	04:30PM	TH	WEQ W5

The above section is a web-enhanced class. Internet access is required.

**Instructor:** B Lopez Segoviano

## 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)

**32498** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	07:30PM	M	WEQ W4
WE2	02/11/19	06/07/19	06:00PM	08:30PM	W	WEQ W4
WEL	02/11/19	06/07/19	07:35AM	08:40PM	M	WEQ W4

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Thomas

## MAT-1B Calculus II

4 UNITS

**Prerequisite:** MAT-1A

Description: Techniques of integration, applications of integration, improper integrals, infinite sequences and series, parametric equations, and polar coordinates. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32503** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:40AM	12:10PM	T	WEQ W6A
WE2	02/11/19	06/07/19	09:40AM	11:10AM	TH	WEQ W6A
WEL	02/11/19	06/07/19	11:15AM	12:10PM	TH	WEQ W6A

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Robles

## MAT-1B Calculus II

4 UNITS

**Prerequisite:** MAT-1A

Description: Techniques of integration, applications of integration, improper integrals, infinite sequences and series, parametric equations, and polar coordinates. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32502** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:10PM	04:40PM	T	IT 109
WE2	02/11/19	06/07/19	02:10PM	03:40PM	TH	IT 109
WEL	02/11/19	06/07/19	03:45PM	04:40PM	TH	IT 109

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Warsinski

## MAT-1B Calculus II

4 UNITS

**Prerequisite:** MAT-1A

Description: Techniques of integration, applications of integration, improper integrals, infinite sequences and series, parametric equations, and polar coordinates. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32505** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:45PM	04:00PM	MWF	WEQ W6A
WEL	02/11/19	06/07/19	04:05PM	05:10PM	F	WEQ W6A

The above section is a web-enhanced class. Internet access is required.

**Instructor:** B Lopez Segoviano

## MAT-1B Calculus II

4 UNITS

**Prerequisite:** MAT-1A

Description: Techniques of integration, applications of integration, improper integrals, infinite sequences and series, parametric equations, and polar coordinates. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**32504** Last day to add: 02/22/19

WE	02/11/19	06/07/19	05:40PM	07:10PM	M	WEQ W6A
WE2	02/11/19	06/07/19	05:40PM	08:10PM	W	WEQ W6A
WEL	02/11/19	06/07/19	07:15PM	08:20PM	M	WEQ W6A

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Parks

## MAT-1C Calculus III

4 UNITS

**Prerequisite:** MAT-1B

Description: Vectors in a plane and in space, vector functions, calculus on functions of multiple variables, partial derivatives, multiple integrals, line and surface integrals, Green's theorem, Stokes' theorem, Divergence theorem, and elementary applications to the physical and life sciences. 72 hours lecture.

**32507** Last day to add: 02/22/19

WE	02/11/19	06/07/19	01:00PM	02:15PM	MWF	STEM 201
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Mulari

## MAT-1C Calculus III

4 UNITS

**Prerequisite:** MAT-1B

Description: Vectors in a plane and in space, vector functions, calculus on functions of multiple variables, partial derivatives, multiple integrals, line and surface integrals, Green's theorem, Stokes' theorem, Divergence theorem, and elementary applications to the physical and life sciences. 72 hours lecture.

**32506** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:00PM	04:05PM	TTH	WEQ W6A
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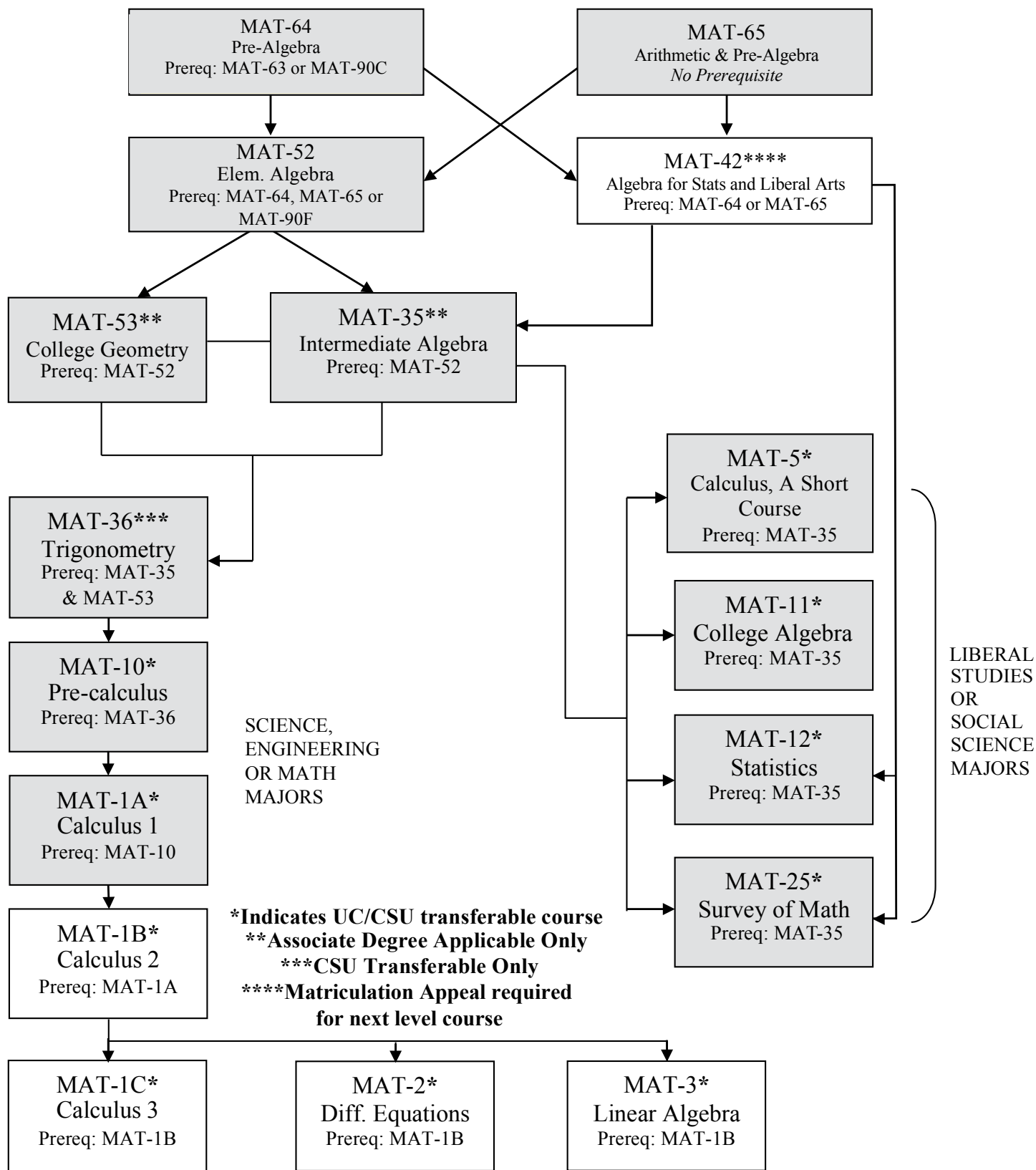
The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Tounignant



# Moving through Math

SHADED AREAS  
INDICATE POSSIBLE  
COURSE PLACEMENTS



## MAT-2 Differential Equations

4 UNITS

**Prerequisite:** MAT-1B

Description: This is a course in differential equations including both quantitative and qualitative methods as well as applications from a variety of disciplines. Introduces the theoretical aspects of differential equations, including establishing when solution(s) exists, and techniques for obtaining solutions, including linear first and second order differential equations, series solutions, Laplace transforms, linear systems, and elementary applications to the physical and biological sciences. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32508** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:45AM TTH ATEC 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** B Johnson

## MAT-3 Linear Algebra

3 UNITS

**Prerequisite:** MAT-1B

Description: This course examines elementary vector space concepts and geometric interpretations and develops the techniques and theory to solve and classify systems of linear equations. Solution techniques include Gaussian and Gauss-Jordan elimination, Cramer's rule and inverse matrices. Investigates the properties of vectors in two, three and finite dimensions, leading to the notion of an abstract vector space. Vector space and matrix theory are presented including topics such as determinants, linear independence, bases and dimension of a vector space, linear transformation and their matrix representations, inner products, norms, orthogonality, eigenvalues, eigenvectors, and eigenspaces. Selected applications of linear algebra are included. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32509** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW WEQW3

The above section is a web-enhanced class. Internet access is required.

**Instructor:** R Frampton

## MAT-5 Calculus for Business and Life Science

4 UNITS

**Prerequisite:** MAT-35

Description: A study of the techniques of calculus for majors in business, business administration, life and social sciences. Emphasis on problem solving and applications. Topics include: functions, graphs, limits, derivatives, integrals, exponential and logarithmic functions. 72 hours lecture. (Letter Grade or Pass/No Pass option.)

**32538** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:30PM MWF WEQW5

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Park

## 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.)

**32537** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 04:05PM TTH LIBR 108

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Basinger

## MAT-10 Precalculus

4 UNITS

**Prerequisite:** MAT-36 or qualifying placement level

Description: Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates, sequences and series. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32874** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:45AM 09:00AM MWF IT 109

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Warsinski

## MAT-10 Precalculus

4 UNITS

**Prerequisite:** MAT-36 or qualifying placement level

Description: Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates, sequences and series. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32876** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:30PM MWF STEM 201

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Higley

## MAT-10 Precalculus

4 UNITS

**Prerequisite:** MAT-36 or qualifying placement level

Description: Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates, sequences and series. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32877** Last day to add: 02/22/19

WE 02/11/19 06/07/19 01:00PM 02:15PM MWF WEQW6A

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Juan

## MAT-10 Precalculus

4 UNITS

**Prerequisite:** MAT-36 or qualifying placement level

Description: Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates, sequences and series. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32878** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 04:05PM TTH ATEC 210

The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Malouf

## MAT-10 Precalculus

4 UNITS

**Prerequisite:** MAT-36 or qualifying placement level

Description: Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates, sequences and series. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32879** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 03:00PM 05:05PM MW ERHS C212

The above section is restricted to Eleanor Roosevelt High School students participating in Norco College's Dual Enrollment Program.

**Instructor:** T Young



## 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)

**32875** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:00PM 09:05PM TTH WEQ W5

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Borissova

## MAT-11 College Algebra

4 UNITS

**Prerequisite:** MAT-35 or qualifying placement level

Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32477** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MWF WEQ W6A

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Baccari

## MAT-11 College Algebra

4 UNITS

**Prerequisite:** MAT-35 or qualifying placement level

Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32479** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:45AM TTH ATEC 211

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J DeGuzman

## MAT-11 College Algebra

4 UNITS

**Prerequisite:** MAT-35 or qualifying placement level

Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32476** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:45PM 04:00PM MWF WEQ W5

The above section is a web-enhanced class. Internet access is required.

**Instructor:** B Nguyen

## MAT-11 College Algebra

4 UNITS

**Prerequisite:** MAT-35 or qualifying placement level

Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32475** Last day to add: 02/22/19

WE 02/11/19 06/07/19 05:40PM 07:45PM MW ATEC 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Hassanzadah

## MAT-11 College Algebra

4 UNITS

**Prerequisite:** MAT-35 or qualifying placement level

Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32478** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:55PM 10:00PM TTH LIBR 108

The above section is a web-enhanced class. Internet access is required.

**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.)

**32890** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.

**Instructor:** K Gilman

## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32897** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.

**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.)

**32899** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.

**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.)

**32882** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:20AM 09:25AM TTH WEQ W4

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Johnson

## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32881** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:45AM 09:00AM MWF WEQ W4

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.)

**32892** Last day to add: 03/05/19

HYB 02/22/19 06/07/19 08:15AM 10:45AM F IT 209

HYBO 02/22/19 06/07/19 ON LINE

The above section is a short term hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** Y Lam

## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32884** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:30AM MWF WEQ W4

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.)

**32887** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:45AM TTH WEQ W4

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Johnson

## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32883** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:30PM MWF WEQ W4

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Warsinski

## 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.)

**32895** Last day to add: 03/05/19

HYB 02/22/19 06/07/19 11:15AM 01:45PM F IT 209

HYBO 02/22/19 06/07/19 ON LINE

The above section is a short term hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** Y Lam



## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32886** Last day to add: 02/22/19

WE 02/11/19 06/07/19 01:00PM 02:15PM MWF WEQW4

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Warsinski

## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32888** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 04:05PM TTH WEQW4

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Robles

## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32894** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:45PM 04:00PM MWF WEQW4

The above section is a web-enhanced class. Internet access is required.

**Instructor:** H Mai

## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32891** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 05:30PM MWF WEQW4

The above section is a web-enhanced class. Internet access is required.

**Instructor:** H Mai

## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32893** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 06:20PM TTH WEQW4

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Robles

## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32889** Last day to add: 02/22/19

WE 02/11/19 06/07/19 05:40PM 07:45PM MW JFK102

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Carver

## 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.)

**32898** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:35PM 09:40PM TTH WEQW4

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MAT-12 Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. 72 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32914** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:55PM 10:00PM MW ATEC11

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff



## MAT-12H Honors Statistics

4 UNITS

**Prerequisite:** MAT-35

Description: A comprehensive study of measures of central tendency and variation, correlation and linear regression, probability, the normal distribution, the t-distribution, the chi-square distribution, estimation, testing of hypotheses, analysis of variance, and the application of statistical software to data, including the interpretation of the relevance of the statistical findings. Applications using data from business, education, health science, life science, psychology, and the social sciences will be included. Honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher-level critical thinking skills. Students may not receive credit for both MAT-12 and MAT-12H. 72 hours lecture. (Letter Grade or Pass / No Pass option.)

**32901** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:30AM MWF IT 208

**Instructor:** Staff

## MAT-32 Introduction to Symbolic Logic

3 UNITS

**Prerequisite:** None Limitation on enrollment: May not be taken if credit for Philosophy 32 has been granted

Description: Introduces the principles of deductive reasoning, including the practical application of modern symbolic techniques. 54 hours lecture.

**32510** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW ATEC 210

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

**32954** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.

**Instructor:** E Chung

## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

**32955** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.

**Instructor:** E Chung

## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

**32962** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.

**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)

**32963** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:00AM 09:30AM TTH LIBR 108

The above section is a web-enhanced class. Internet access is required.

**Instructor:** D Wood

## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

**32952** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 08:00AM 09:25AM TTH WEQ W5

HYB0 02/11/19 06/07/19 ON LINE

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**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)

**32947** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:50AM MWF LIBR 108

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Zeller



## 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)

**32948** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	09:15AM	10:40AM	MW	IT 109
HYBO	02/11/19	06/07/19				ON LINE

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Park

## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

**32957** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:00AM	12:45PM	MWF	LIBR 108
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Zaragoza

## 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)

**32959** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	11:10AM	12:35PM	MW	ATEC 210
HYBO	02/11/19	06/07/19				ON LINE

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**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)

**32956** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:00PM	04:30PM	TTH	STEM 201
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Hsu

## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

**32945** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:25PM	04:00PM	MWF	LIBR 108
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Park

## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

**32944** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:45PM	04:20PM	MWF	IT 109
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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)

**32953** Last day to add: 02/22/19

WE	02/11/19	06/07/19	04:10PM	06:40PM	TTH	ATEC 211
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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)

**32958** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	04:10PM	05:35PM	TTH	ATEC 210
HYBO	02/11/19	06/07/19				ON LINE

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** E Chung





## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

**32951** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:30PM 07:00PM MW LIBR 108

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)

**32946** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 08:30PM MW WEQ W5

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Burke

## 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)

**32949** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:00PM 09:30PM TTH LIBR 110

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

**32961** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:00PM 09:30PM TTH ATEC 211

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J DeGuzman

## MAT-35 Intermediate Algebra

5 UNITS

**Prerequisite:** MAT-52

Description: The concepts introduced in elementary algebra are presented again, but in greater depth. In addition to basic algebraic operations and graphing, students are introduced to functions, inverse functions, exponential and logarithmic functions, complex numbers, conic sections, nonlinear systems of equations, and sequences and series. 90 hours lecture. (Letter Grade or Pass/No Pass option)

**32950** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:15PM 09:45PM MW LIBR 108

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)

**32937** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.

**Instructor:** R Prior

## MAT-36 Trigonometry

4 UNITS

**Prerequisite:** MAT-35 and MAT-53

Description: The study of trigonometric functions, their inverses and their graphs; identities and proofs related to trigonometric expressions; solving trigonometric equations; solving right triangles; solving oblique triangles using the Law of Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32935** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 09:40AM 11:05AM TTH LIBR 108

HYBO 02/11/19 06/07/19 ON LINE

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** J Mulari

## MAT-36 Trigonometry

4 UNITS

**Prerequisite:** MAT-35 and MAT-53

Description: The study of trigonometric functions, their inverses and their graphs; identities and proofs related to trigonometric expressions; solving trigonometric equations; solving right triangles; solving oblique triangles using the Law of Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32938** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 11:15AM 12:40PM TTH LIBR 108

HYBO 02/11/19 06/07/19 ON LINE

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** J Mulari

## MAT-36 Trigonometry

4 UNITS

**Prerequisite:** MAT-35 and MAT-53

Description: The study of trigonometric functions, their inverses and their graphs; identities and proofs related to trigonometric expressions; solving trigonometric equations; solving right triangles; solving oblique triangles using the Law of Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32923** Last day to add: 02/22/19

WE 02/11/19 06/07/19 01:00PM 02:15PM MWF LIBR 108

The above section is a web-enhanced class. Internet access is required.

**Instructor:** B Lopez Segoviano



## MAT-36 Trigonometry

4 UNITS

**Prerequisite:** MAT-35 and MAT-53

Description: The study of trigonometric functions, their inverses and their graphs; identities and proofs related to trigonometric expressions; solving trigonometric equations; solving right triangles; solving oblique triangles using the Law of Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32924** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 04:15PM 06:20PM TTH LIBR 108

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MAT-36 Trigonometry

4 UNITS

**Prerequisite:** MAT-35 and MAT-53

Description: The study of trigonometric functions, their inverses and their graphs; identities and proofs related to trigonometric expressions; solving trigonometric equations; solving right triangles; solving oblique triangles using the Law of Cosines and the Law of Sines; elements of geometry important to the foundation of trigonometry; polar coordinates; and introduction to vectors. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**32936** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 05:40PM 07:45PM MW ATEC 211

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Borissova

## MAT-42 Algebra for Statistics and Liberal Arts

6 UNITS

**Prerequisite:** MAT-64 or MAT-65 or MAT-90F Course Credit Recommendation: Non-Degree Credit

Description: An Algebra for Statistics and Liberal Arts course designed to enable students to develop conceptual understanding and problem solving competence as preparation for college level statistical reasoning and liberal arts level math. This course integrates numeracy; proportional, algebraic and statistical reasoning; functions and modeling and focuses on developing mathematical maturity through problem solving, critical thinking, data analysis, and the writing and communications of mathematics. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. Emphasis is placed on modeling and problem solving, with techniques and manipulations covered in context. Throughout the course, Math success content will be integrated with mathematical topics. Credit earned does not count toward any degree, nor does it transfer. 108 hours lecture.

**32766** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 08:30AM 10:35AM MWF ATEC 211

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Frewing

## MAT-42 Algebra for Statistics and Liberal Arts

6 UNITS

**Prerequisite:** MAT-64 or MAT-65 or MAT-90F Course Credit Recommendation: Non-Degree Credit

Description: An Algebra for Statistics and Liberal Arts course designed to enable students to develop conceptual understanding and problem solving competence as preparation for college level statistical reasoning and liberal arts level math. This course integrates numeracy; proportional, algebraic and statistical reasoning; functions and modeling and focuses on developing mathematical maturity through problem solving, critical thinking, data analysis, and the writing and communications of mathematics. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. Emphasis is placed on modeling and problem solving, with techniques and manipulations covered in context. Throughout the course, Math success content will be integrated with mathematical topics. Credit earned does not count toward any degree, nor does it transfer. 108 hours lecture.

**32767** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 10:50AM 12:55PM MWF ATEC 211

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Frewing

## MAT-42 Algebra for Statistics and Liberal Arts

6 UNITS

**Prerequisite:** MAT-64 or MAT-65 or MAT-90F Course Credit Recommendation: Non-Degree Credit

Description: An Algebra for Statistics and Liberal Arts course designed to enable students to develop conceptual understanding and problem solving competence as preparation for college level statistical reasoning and liberal arts level math. This course integrates numeracy; proportional, algebraic and statistical reasoning; functions and modeling and focuses on developing mathematical maturity through problem solving, critical thinking, data analysis, and the writing and communications of mathematics. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. Emphasis is placed on modeling and problem solving, with techniques and manipulations covered in context. Throughout the course, Math success content will be integrated with mathematical topics. Credit earned does not count toward any degree, nor does it transfer. 108 hours lecture.

**32768** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 01:15PM 03:20PM MWF ATEC 211

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J La Turno

## 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.)

**32915** Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.

**Instructor:** S Park



## MAT-52 Elementary Algebra

4 UNITS

**Prerequisite:** MAT-64, 65, 90F or qualifying placement level

Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)

**32917** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.

**Instructor:** S Park

## MAT-52 Elementary Algebra

4 UNITS

**Prerequisite:** MAT-64, 65, 90F or qualifying placement level

Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)

**32919** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture students are required to attend campus for proctored exams on the following dates: one day between 04/03 to 04/06 and another day between 06/03 and 06/07.

**Instructor:** L Ting

## MAT-52 Elementary Algebra

4 UNITS

**Prerequisite:** MAT-64, 65, 90F or qualifying placement level

Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)

**32918** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:20AM 09:25AM TTH ATEC 211

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Walid

## MAT-52 Elementary Algebra

4 UNITS

**Prerequisite:** MAT-64, 65, 90F or qualifying placement level

Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)

**32920** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:45AM 09:00AM MWF ATEC 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Baccari

## MAT-52 Elementary Algebra

4 UNITS

**Prerequisite:** MAT-64, 65, 90F or qualifying placement level

Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)

**32921** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:45PM 06:50PM TTH WEQ W5

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Hashemi

## MAT-52 Elementary Algebra

4 UNITS

**Prerequisite:** MAT-64, 65, 90F or qualifying placement level

Description: Examines real numbers and variables as they are involved in polynomials, fractions, linear equations, quadratic equations, systems of equations, inequalities, exponential and radical expressions, and absolute value. Factoring, graphing, and word problem applications will also be included. 72 hours lecture. (Non-degree credit course. Letter grade, or Pass/No Pass option.)

**32916** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:15PM 08:20PM TTH HUM 102

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Lee

## MAT-53 College Geometry

3 UNITS

**Prerequisite:** MAT-52

Description: A course covering the study of plane geometry and three dimensional figures. These topics include angles, triangles, quadrilaterals, circles and solids, their formulas for measuring such figures, including perimeter, area and volume. Students create proofs of geometric concepts using postulates and theorems associated with geometric objects and their characteristics. 54 hours lecture.

**32550** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW ATEC 204

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.

**32551** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:00PM 03:25PM MW ATEC 211

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Thomas



## MAT-53 College Geometry

3 UNITS

**Prerequisite:** MAT-52

Description: A course covering the study of plane geometry and three dimensional figures. These topics include angles, triangles, quadrilaterals, circles and solids, their formulas for measuring such figures, including perimeter, area and volume. Students create proofs of geometric concepts using postulates and theorems associated with geometric objects and their characteristics. 54 hours lecture.

**32552** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM MW ATEC 211

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## 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.)

**32556** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:25AM 09:00AM MWF LIBR 108

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Zeller

## 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.)

**32553** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:00AM 12:35PM MWF ATEC 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** L Ting

## MAT-65 Arithmetic and Pre-Algebra

5 UNITS

**Prerequisite:** None.

Description: Study of the four basic operations applied to whole numbers, integers, fractions, mixed numbers, and decimals, to include application to real-world problems along with an introduction to the notion of algebra and its uses. (Non-degree credit course.)

**32557** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 08:30PM MW LIBR 110

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.)

**32555** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 06:00PM 07:25PM TTH ATEC 210

HYBO 02/11/19 06/07/19 ON LINE

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** E Chung

## MUSIC INDUSTRY STUDIES

### MIS-1A Beginning Performance Techniques For Studio Recording

2 UNITS

**Prerequisite:** None Limitation on enrollment: Audition on or before the first class meeting

Description: Introduction to practical performance techniques for the recording studio. Students will have the opportunity to participate in the planning process of a recording session utilizing techniques such as song formation, microphone technique, mixing and production. The class will culminate in a CD recording. This class is appropriate for vocalists and instrumentalists. 108 laboratory hours.

**32565** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 04:20PM W THTR 204

WEL2 02/11/19 06/07/19 01:00PM 05:30PM F THTR 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### MIS-1B Intermediate Performance Techniques For Studio Recording

2 UNITS

**Prerequisite:** MIS-1A

Description: Continuation of the skills studied in MIS-1A focusing on song collaboration, organization of vocals and instruments needed to record. Students will have the opportunity to participate in the planning process of a recording session utilizing techniques such as song formation, microphone technique, mixing and production. The class will culminate in a CD recording. This class is appropriate for intermediate vocalists and instrumentalists. 108 hours laboratory.

**32566** Last day to add: 02/22/19

WE2 02/11/19 06/07/19 02:30PM 04:20PM W THTR 204

WEL 02/11/19 06/07/19 01:00PM 05:30PM F THTR 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### MIS-1C Advanced Performance Techniques For Studio Recording

2 UNITS

**Prerequisite:** MIS-1B

Description: Advanced performance techniques for the recording studio. A continuation of the skills studied in MIS-1B the focus of this course is communication, song collaboration, studio session mapping. Students will have the opportunity to lead a collaborative group, duet or solo project toward successful completion/recording utilizing techniques such as song formation, microphone technique, mixing and production. The class will culminate in a CD recording. This class is appropriate for advanced vocalists and instrumentalists. 108 hours laboratory.

**32567** Last day to add: 02/22/19

WEL 02/11/19 06/07/19 02:30PM 04:20PM W THTR 204

WEL2 02/11/19 06/07/19 01:00PM 05:30PM F THTR 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff



## MIS-2 Songwriting

2 UNITS

**Prerequisite:** MUS-3

Description: Introduction to popular songwriting techniques. Topics covered include chord structure, form, rhythm, melody, harmony, lyrics, chord progressions, preparing lead sheets and arranging. This course is ideal for vocalists and instrumentalists. 18 hours lecture and 54 hours laboratory.

**32568** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:00PM	03:05PM	T	HUM 101
WEL	02/11/19	06/07/19	03:15PM	04:20PM	T	HUM 101
WEL2	02/11/19	06/07/19	02:00PM	04:10PM	TH	HUM 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MIS-3 Digital Audio Production 1

4 UNITS

**Prerequisite:** None

Description: This course introduces the techniques and elements of electronic music production. Topics include synthesis, sampling, MIDI sequencing and audio production. Students will create original compositions using electronic music techniques. Students taking this course will complete the official AVID coursework for Pro Tools 101 and 110 and will have the opportunity to obtain AVID Pro Tools User Certification. 54 hours lecture and 54 hours laboratory.

**32569** Last day to add: 02/22/19

WE	02/11/19	06/07/19	08:00AM	09:25AM	MW	IT 106
WEL	02/11/19	06/07/19	09:35AM	10:55AM	MW	IT 106

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MIS-4 Digital Audio Production 2

4 UNITS

**Prerequisite:** MIS-3

Description: This intermediate course continues exploration and application of the elements and techniques of electronic music production. Topics include synthesis, sampling, MIDI sequencing and advanced audio production. Students will create original compositions using electronic music techniques. Students taking this course will complete the official AVID coursework for Pro Tools 201 and 210 and will have the opportunity to obtain AVID Pro Tools Operator Certification. 54 hours lecture and 54 hours laboratory.

**32570** Last day to add: 02/22/19

WE	02/11/19	06/07/19	04:30PM	05:55PM	MW	IT 106
WEL	02/11/19	06/07/19	06:05PM	07:30PM	MW	IT 106

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MIS-7 Introduction To Music Technology

3 UNITS

**Prerequisite:** None

Description: This introductory course examines the terminology, equipment, techniques, and concepts related to music technology. The course will survey the principles and practices of audio, MIDI synthesis, notation, and audio recording utilizing hardware and software platforms. 36 hours lecture and 54 hours laboratory.

**32571** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:30PM	07:35PM	T	IT 106
WE2	02/11/19	06/07/19	06:30PM	07:20PM	TH	IT 106
WEL	02/11/19	06/07/19	07:45PM	09:10PM	TTH	IT 106

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MIS-11A Studio Arts Ensemble I

2 UNITS

**Prerequisite:** None Limitation on enrollment: Audition on or before the first class meeting

Description: An ensemble designed for instrumentalists and vocalists interested in the popular music and entertainment industries. This ensemble is open to: singers, guitarists, drummers, bassists, horn players, string players and keyboardists who work collaboratively to study, perform and/or record selected popular musical arrangements. The music studied in this class will be chosen from a diverse body of popular music literature. Subsequent enrollment will provide students an opportunity for additional skill development and competency in the subject area. May be taken a total of two times. 108 hours laboratory. (TBA option)

**32562** Last day to add: 03/14/19

WEL	02/11/19	06/07/19	04:30PM	06:25PM	TTH	THTR 204
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The above section is a web-enhanced class and has additional laboratory hours to be arranged. Internet access is required. In addition to the time spent in class, students are expected to perform outside of class at various locations throughout the semester. All concert dates and times will be listed on the class syllabus. Contact the instructor for additional information.

**Instructor:** Staff

## MIS-11B Studio Arts Ensemble II

2 UNITS

**Prerequisite:** MIS-11A

Description: A continuation of the skill development of instrumentalists and vocalists interested in the popular music and entertainment industries. This ensemble is open to: singers, guitarists, drummers, bassists, horn players, string players and keyboardists who work collaboratively to study, perform and/or record selected popular musical arrangements. The music studied in this class will be chosen from a diverse body of popular music literature. Subsequent enrollment will provide students an opportunity for additional skill development and competency in the subject area. May be taken a total of two times. 108 hours laboratory. (TBA option)

**32563** Last day to add: 03/14/19

WEL	02/11/19	06/07/19	04:30PM	06:25PM	TTH	THTR 204
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The above section is a web-enhanced class and has additional laboratory hours to be arranged. Internet access is required. In addition to the time spent in class, students are expected to perform outside of class at various locations throughout the semester. All concert dates and times will be listed on the class syllabus. Contact the instructor for additional information.

**Instructor:** Staff

## MIS-13 Recording Studio Workshop I

3 UNITS

**Prerequisite:** MIS-3 and MIS-12

Description: This applied workshop course is a survey of the fundamental principles and practices of audio recording. Topics include sound and hearing, acoustics, the components of various recording systems and signal flow. It provides practical experience with audio hardware, software and recording techniques. Students will engage in digital audio workstation set up (DAWs) and operation, and will run studio and live sessions from set up to tear down. 36 hours lecture and 54 hours laboratory.

**32564** Last day to add: 02/22/19

WE	02/11/19	06/07/19	09:40AM	10:30AM	T	IT 106
WE2	02/11/19	06/07/19	09:40AM	10:45AM	TH	IT 106
WEL	02/11/19	06/07/19	10:55AM	12:20PM	TTH	IT 106

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff



## MIS-200 Mis Music Industry Studies Work Experience 1 UNIT

**Prerequisite:** None

**Advisory:** Students should have paid or voluntary employment.

**Description:** This course is designed to coordinate the student's occupational on-the-job training with related instruction in work-related skills. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit. (Letter Grade or Pass/No Pass option.)

**32756 Last day to add: 02/22/19**

LEC 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). In addition to the online lecture, students are required to attend an orientation at Norco College the first week of the semester, dates and times will be posted in Blackboard. Students must also meet on-campus for an instructor conference and for final exams. Please see Blackboard for specific dates and times.

**Instructor:** Staff

## MARKETING

### MKT-20 Principles of Marketing 3 UNITS

**Prerequisite:** None

**Advisory:** BUS-10

**Description:** Examines the role of marketing as it relates to society and economic development. The course will analyze products, consumer, marketing research and strategic market planning. The course will survey with a global perspective, the selection of target markets as well as the development of the marketing mix place, product, price and promotion. 54 hours lecture.

**32572 Last day to add: 02/16/19**

HYB 02/12/19 04/02/19 06:00PM 09:10PM T JFK 216

HYBO 02/12/19 04/02/19 ON LINE

The above section is a short term hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** A Riker

### MKT-41 Techniques of Selling 3 UNITS

**Prerequisite:** None

**Description:** Examines the key topics of how to locate, qualify and approach prospects; how to deliver the sales presentation, how to meet objections and how to close the sale. The analysis of behavioral, ethical and philosophical factors as applied to the selling function globally. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32573 Last day to add: 04/20/19**

HYB 04/16/19 06/04/19 06:00PM 09:10PM T JFK 216

HYBO 04/16/19 06/04/19 ON LINE

The above section is a short term hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** M Ferguson

## MUSIC

### MUS-3 Fundamentals of Music 4 UNITS

**Prerequisite:** None

**Advisory:** Concurrent enrollment in an appropriate level piano class

**Description:** Basic course in music theory designed to develop an understanding of notation, rhythm, pitch, keys, modes, scales, intervals, chords and music terminology. Basic sight singing, dictation and music reading at the piano. 54 hours lecture and 54 hours laboratory. (TBA option)

**32578 Last day to add: 02/22/19**

WE 02/11/19 06/07/19 09:40AM 11:05AM TTH HUM 101

WEL 02/11/19 06/07/19 11:25AM 12:50PM TTH HUM 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### MUS-4 Music Theory I 4 UNITS

**Prerequisite:** MUS-3 or the equivalent

**Advisory:** Concurrent enrollment in an appropriate level piano class

**Description:** Through guided composition and analysis this course incorporates the following concepts: Rhythm and meter; basic properties of sound; intervals; diatonic scales, triads and seventh chords; basic cadential formulas and phrase structures; figured bass; non-harmonic tones; first-species counterpoint; and voice leading involving 4-part chorale writing. Development of skills in handwritten notation is expected. Lab includes diatonic sight singing and ear training including melodic, harmonic and rhythmic dictation. Keyboard requirements include playing chord progressions, modes, and scales in all major and minor keys. 54 hours lecture and 54 hours laboratory. (TBA option)

**32587 Last day to add: 02/22/19**

WE 02/11/19 06/07/19 07:40AM 08:50AM M HUM 101

WE2 02/11/19 06/07/19 07:40AM 08:30AM WF HUM 101

WEL 02/11/19 06/07/19 09:00AM 09:50AM M HUM 101

WEL2 02/11/19 06/07/19 08:40AM 09:50AM W HUM 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### MUS-6 Music Theory III 4 UNITS

**Prerequisite:** MUS-5 or the equivalent

**Advisory:** Concurrent enrollment in an appropriate level piano class

**Description:** This course incorporates the concepts from Music Theory II. In addition, through writing and analysis, the course will include Common Practice period and 20th Century techniques such as: Borrowed chords and modal mixture; chromatic mediants; Neapolitan and augmented sixth chords; 9th, 11th and 13th chords; extended tertian harmony; polyharmony; quartal and secundal harmony; pandiatonicism; serialism; and aleatoric music. Lab includes post-Romantic and post-tonal sight singing and ear training including melodic, harmonic and rhythmic dictation. Keyboard requirements include playing post-Romantic and post-tonal materials. 54 hours lecture and 54 hours laboratory. (TBA option)

**32589 Last day to add: 02/22/19**

WE 02/11/19 06/07/19 07:40AM 08:50AM M HUM 101

WE2 02/11/19 06/07/19 07:40AM 08:30AM WF HUM 101

WEL 02/11/19 06/07/19 09:00AM 09:50AM M HUM 101

WEL2 02/11/19 06/07/19 08:40AM 09:50AM W HUM 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff



## 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.

**32575** Last day to add: 02/22/19  
OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** Staff

## 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.

**32576** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 12:45PM 02:10PM MW THTR 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## 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.

**32574** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 06:00PM 09:10PM TH IT 117

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MUS-23 History of Rock and Roll

3 UNITS

**Prerequisite:** None

Description: A comprehensive study of rock and roll music from its origins to the present with emphasis on the historical, musical, and sociological influences. Study includes listening to music and identifying stylistic trends and influential artists. 54 hours lecture.

**32577** Last day to add: 02/22/19  
WE 02/11/19 06/07/19 02:00PM 03:25PM TTH ATEC 114

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MUS-31 College Choir

1 UNIT

**Prerequisite:** None

Description: A vocal ensemble of mixed voices dedicated to the study, rehearsal, and performance of a variety of choral literature. May be taken a total of four times. 54 hours laboratory.

**32825** Last day to add: 03/14/19  
WEL 02/11/19 06/07/19 02:00PM 03:25PM TTH THTR 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** K Kameron

## MUS-32A Class Piano I

1 UNIT

**Prerequisite:** None

Description: This beginning course focuses on developing the skills needed for performing on piano, including reading from music notation, rhythm study, technique, expression, improvisation, harmonization, transposition, repertoire and style study. 54 hours laboratory.

**32580** Last day to add: 03/11/19  
WEL 02/11/19 06/07/19 12:45PM 02:10PM MW HUM 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MUS-32B Class Piano II

1 UNIT

**Prerequisite:** MUS-32A or the equivalent

Description: Continuation of the skills studied in MUS 32A focusing on techniques needed for performing on piano, including playing select major and parallel minor scales, reading music on the grand staff, tapping rhythms, harmonizing melodies using simple accompaniments, transposing, and simple score reading. 54 hours laboratory.

**32581** Last day to add: 03/11/19  
WEL 02/11/19 06/07/19 02:30PM 03:55PM MW HUM 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MUS-32C Class Piano III

1 UNIT

**Prerequisite:** MUS-32B or the equivalent

Description: Continuation of the skills studied in MUS 32B focusing on keyboard techniques required for playing major and minor scales, diatonic chord progressions, harmonizing melodies, transposing, accompanying, score reading, reading chord symbols, sight reading and performance of intermediate-level piano learning pieces. 54 hours laboratory.

**32582** Last day to add: 03/11/19  
WEL 02/11/19 06/07/19 02:30PM 03:55PM MW HUM 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MUS-32D Class Piano IV

1 UNIT

**Prerequisite:** MUS-32C or the equivalent

Description: Culmination of keyboard skills previously studied focusing on increasing keyboard facility for playing major and minor scales and arpeggios, diatonic chord progressions, harmonizing melodies, modulating, transposing, accompanying, simple score reading, sight reading and performance of piano pieces from the standard classical piano teaching literature. 54 hours laboratory.

**32583** Last day to add: 03/11/19  
WEL 02/11/19 06/07/19 02:30PM 03:55PM MW HUM 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MUS-37 Class Guitar

1 UNIT

**Prerequisite:** None

Description: Development of basic guitar playing skills, including reading from music notation, reading chord symbols, transposition, and playing open chords, barre chords, scales, and simple melodies. 54 hours laboratory.

**32584** Last day to add: 02/22/19  
WEL 02/11/19 06/07/19 04:30PM 05:55PM MW THTR 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff



## MUS-38 Beginning Applied Music I

2 UNITS

**Prerequisite:** None Limitation on enrollment: Audition on or before the first class meeting

Description: Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete a minimum of 6.75 hours a week in a combination of individualized practice, lessons and concert attendance. Not designed for beginning students. May be taken a total of four times. 108 hours laboratory.

32585

Last day to add: 03/18/19

WEL 02/11/19 06/07/19

The above section is a web-enhanced class. Internet access is required. This course offers private study in voice, piano, guitar, bass, or drums. An audition is required. Mandatory meeting for information and to schedule an audition time: Thursday, February 15th, 12:50-1:50 in THTR 101. If you cannot come to the meeting, you must contact Professor Kamerin to schedule an audition. Deadline to schedule auditions is Tuesday, February 20th. All hours are to be arranged. In addition to 6 hours of concert reports, students are required to attend the Norco Music Lab for 6 hours per week. For information, contact the instructor at kim.kamerin@norcocollege.edu or 951-738-7703.

**Instructor:** Staff

## MUS-39 Applied Music I

3 UNITS

**Prerequisite:** None Limitation on enrollment: Audition on or before the first class meeting

Corequisite: Enrollment in a two-or three-unit performance class.

Description: Vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 10.125 hours per week in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. May be taken a total of four times. 162 hours laboratory.

32586

Last day to add: 03/18/19

WEL 02/11/19 06/07/19

The above section is a web-enhanced class. Internet access is required. This course offers private study in voice, piano, guitar, bass, or drums. An audition is required. A mandatory informational meeting, where you will schedule your audition time, will be held Thursday, February 15th, 12:50-1:50 in THTR 101. If you cannot come to the meeting, you must contact Professor Kamerin to schedule an audition. Deadline to schedule auditions is Tuesday, February 20th. All lesson times are to be arranged with your private instructor. In addition to 6 hours of concert attendance with reports, students are required to practice in the Norco Music Practice Facilities for 9 hours per week. This course includes a juried performance examination at the end of the term. For information, contact Professor Kamerin at kim.kamerin@norcocollege.edu or 951-738-7703.

**Instructor:** Staff

## MUS-41 Chamber Singers

2 UNITS

**Prerequisite:** None Limitation on enrollment: Audition on or before the first class meeting

Description: This course is for the study, rehearsal, and public performance of literature for vocal chamber ensemble, with an emphasis on the development of skills needed to perform within an ensemble. Different literature will be studied each semester. Participation in public performances is required. May be taken a total of four times. 108 hours laboratory. (TBA option)

32588

Last day to add: 03/15/19

WEL 02/11/19 06/07/19 11:15AM 12:35PM MWF THTR 204

The above section is a web-enhanced class and has additional laboratory hours to be arranged. Internet access is required. In addition to the time spent in class, students are expected to perform outside of class at various locations throughout the semester. All concert dates and times will be listed on the class syllabus. Contact the instructor for additional information.

**Instructor:** Staff

## MUS-70 Guitar Lab Ensemble

1 UNIT

**Prerequisite:** MUS-37 Limitation on enrollment: Audition on or before first class meeting

Description: Study and performance of beginning and intermediate literature for guitar ensemble. May be taken a total of four times. 54 hours laboratory.

32828

Last day to add: 02/22/19

WEL 02/11/19 06/07/19 06:15PM 07:30PM MW THTR 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MUS-78 Beginning Applied Music II

2 UNITS

**Prerequisite:** None Limitation on enrollment: Audition on or before the first class meeting

Description: Advanced vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Course includes individual lessons, supervised practice, individual performance, and jury evaluations. Not designed for beginning students. Course may be taken a total of four times. 108 hours laboratory. (TBA option)

32590

Last day to add: 03/18/19

WEL 02/11/19 06/07/19

The above section is a web-enhanced class. Internet access is required. This course offers private study in voice, piano, guitar, bass or drums. An audition is required. Mandatory meeting for information and to schedule audition time: Thursday, February 15th, 12:50PM - 1:50PM in THTR 101. If you cannot come to the meeting, you must contact Professor Kamerin to schedule an audition. The deadline to schedule auditions is Tuesday, February 20th. All hours are to be arranged. In addition to 6 hours of concert reports, students are required to attend the Norco Music Lab for 6 hours per week. For information, contact the instructor at kim.kamerin@norcocollege.edu or call 951-738-7703.

**Instructor:** Staff





## MUS-79 Applied Music II

3 UNITS

**Prerequisite:** None Limitation on enrollment: Audition on or before the first class meeting.

**Corequisite:** Enrollment in a two-unit performance class.

**Description:** Advanced vocal or instrumental instruction for students who are proficient performers and could benefit from individualized instruction as determined by audition. Each student must complete 10.125 hours per week in a combination of individualized practice, lessons, concert attendance and individual performance. Not designed for beginning students. Course may be taken a total of four times. 162 hours laboratory.

**32591** Last day to add: 03/18/19

WEL 02/11/19 06/07/19

The above section is a web-enhanced class and has a 162-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass or drums. An audition is required. A mandatory instructional meeting will be held on Thursday, February 15th from 12:50PM - 1:50PM in THTR 101. If you cannot attend the meeting, you must contact Professor Kamerin to schedule an audition. The deadline to schedule auditions is Tuesday, February 20th. 9 hours of lessons and 9 hours of required performance times are to be arranged with your instructor. In addition, students are required to practice in the Norco music practice facilities for 9 hours each week. For additional information, please email kim.kamerin@norcollege.edu or call 951-738-7703.

**Instructor:** Staff

## MUS-89 Music of Multicultural America

3 UNITS

**Prerequisite:** None.

**Description:** A comparative and integrative study of the multicultural musical styles of the United States.

**32592** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See www.opencampus.com.

**Instructor:** Staff

## MUS-93 The Business of Music

3 UNITS

**Prerequisite:** None.

**Description:** An overview of the business side of performing, recording and publishing music.

**32594** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW IT 109

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## MUS-200 Music Work Experience

1 UNIT

**Prerequisite:** None.

**Advisory:** Students should have paid or voluntary employment.

**Description:** Course is designed to coordinate the student's occupational on-the-job training with related classroom instruction.

**32757** Last day to add: 02/22/19

WRK 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required. See www.opencampus.com. In addition to the online lecture, students are required to attend an orientation at Norco College the first week of the semester, dates and times will be posted in Blackboard. Students must also meet on-campus for an instructor conference and for final exams. Please see Blackboard for specific dates and times.

**Instructor:** Staff

## PHILOSOPHY

### PHI-10 Introduction to Philosophy

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-50 or ENG-80

**Description:** A survey and exploration of significant questions in the Western philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

**32597** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See www.opencampus.com.

**Instructor:** L Montes

### PHI-10 Introduction to Philosophy

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-50 or ENG-80

**Description:** A survey and exploration of significant questions in the Western philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

**32598** Last day to add: 03/06/19

WE 02/23/19 06/01/19 08:00AM 12:05PM S IT 117

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** L Montes

### PHI-10 Introduction to Philosophy

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-50 or ENG-80

**Description:** A survey and exploration of significant questions in the Western philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

**32595** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW STEM 201

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Sentmanat

### PHI-10 Introduction to Philosophy

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-50 or ENG-80

**Description:** A survey and exploration of significant questions in the Western philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

**32596** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM MW IT 108

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Sentmanat



## PHI-10 Introduction to Philosophy

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-50 or ENG-80

Description: A survey and exploration of significant questions in the Western philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

**32600** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM TTH IT 208

The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Farmer

## PHI-10 Introduction to Philosophy

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-50 or ENG-80

Description: A survey and exploration of significant questions in the Western philosophical tradition. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

**32599** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM W IT 110

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Murphey

## PHI-10H Honors Introduction to Philosophy

3 UNITS

**Prerequisite:** None Limitation on enrollment: Enrollment in the Honors Program

Description: A survey and exploration of significant questions in the Western philosophical tradition through an examination of primary sources. Questions are drawn from the various branches of philosophy: metaphysics, theory of knowledge, ethics, aesthetics, political philosophy and/or philosophy of religion. This Honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, discussions and projects generated and led by students, the application of higher level thinking and writing skills analysis, synthesis, and evaluation. Students may not receive credit for both PHI-10 and PHI-10H. 54 hours lecture.

**32966** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW WEQW3

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Sentmanat

## PHI-11 Critical Thinking

3 UNITS

**Prerequisite:** None

**Advisory:** REA-82

Description: This course presents critical thinking as a skill to be used for better understanding, evaluating, and constructing arguments. The focus will be on developing and enhancing the student's ability to identify, analyze, and present arguments. Topics covered through analysis and writing include the nature of argument, inductive and deductive reasoning, rhetoric, theory of knowledge, scientific method, and informal fallacies. 54 hours lecture.

**32601** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** L Montes

## PHI-11 Critical Thinking

3 UNITS

**Prerequisite:** None

**Advisory:** REA-82

Description: This course presents critical thinking as a skill to be used for better understanding, evaluating, and constructing arguments. The focus will be on developing and enhancing the student's ability to identify, analyze, and present arguments. Topics covered through analysis and writing include the nature of argument, inductive and deductive reasoning, rhetoric, theory of knowledge, scientific method, and informal fallacies. 54 hours lecture.

**32602** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW WEQW6B

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Gill

## PHI-11 Critical Thinking

3 UNITS

**Prerequisite:** None

**Advisory:** REA-82

Description: This course presents critical thinking as a skill to be used for better understanding, evaluating, and constructing arguments. The focus will be on developing and enhancing the student's ability to identify, analyze, and present arguments. Topics covered through analysis and writing include the nature of argument, inductive and deductive reasoning, rhetoric, theory of knowledge, scientific method, and informal fallacies. 54 hours lecture.

**32603** Last day to add: 03/05/19

WE 02/22/19 06/07/19 10:30AM 01:50PM F ATEC 205

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** J Gill

## PHI-12 Ethics: Contemp Moral Issues

3 UNITS

**Prerequisite:** None.

Description: An examination of contemporary moral problems in light of ethical theory.

**32604** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM TTH ATEC 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Sentmanat

## PHI-22 Philosophy of Science

3 UNITS

**Prerequisite:** None

**Advisory:** Qualification for English 1A

Description: An examination of philosophical ideas about the nature of scientific knowledge, how it enables us to understand the world, and the role of values in science. Historical and current examples from the various sciences will be used to explore these questions. The dependence of contemporary policy and personal decisions on scientific knowledge will also be explored. 54 hours lecture.

**32909** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM TTH LIBR 109

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Sentmanat



## PHI-32 Introduction to Symbolic Logic 3 UNITS

**Prerequisite:** None. Limitation on enrollment: May not be taken if credit for MAT-32 has been granted.

Description: Principles of deductive reasoning applying modern symbolic techniques. (Same as MAT-32)

**32605** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW ATEC 210

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Murphey

## PHOTOGRAPHY

### PHO-20 Introduction to Digital Photography 3 UNITS

**Prerequisite:** None

Description: Theory and practice in the basic techniques of producing digital photographs with technical and artistic merit. Acquire competency in the use of cameras with an emphasis on understanding the relationship of shutter, aperture and focal length. Software utilized may include Adobe Photoshop, Adobe Lightroom and others. Students are required to supply their own digital single lens reflex (SLR) camera with manual controls. 36 hours lecture and 54 hours laboratory.

**32607** Last day to add: 03/05/19

WE 02/22/19 06/07/19 08:00AM 10:10AM F ATEC 109

WEL 02/22/19 06/07/19 10:20AM 01:40PM F ATEC 109

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** Staff

## 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.

**32608** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 08:00AM 09:25AM TTH HUM 201

**Instructor:** Staff

### 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.

**32609** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 04:10PM 05:35PM MW WEQ W3

**Instructor:** Staff

## PHYSICS

### PHY-2A General Physics I 4 UNITS

**Prerequisite:** None

Corequisite: MAT-1A

Description: Meets the requirements for students majoring in biological science, including pre-medical and pre-dental students. This course examines: properties of matter; study of kinematics and mechanics, including Newtons laws, energy, momentum, and rotational motion; fluid mechanics; gravitation; study of oscillatory motion; study of wave motion, including sound waves. 54 hours lecture and 54 hours laboratory.

**32613** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH HUM 201

WEL 02/11/19 06/07/19 02:00PM 05:10PM TH HUM 201

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### PHY-4A Mechanics 4 UNITS

**Prerequisite:** None

Corequisite: MAT-1A

Description: Examines vectors, particle kinematics and dynamics, work and power, conservation of energy and momentum, rotation, oscillations and gravitation. 54 hours lecture and 54 hours laboratory.

**32614** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:45AM 10:10AM MW HUM 201

WEL 02/11/19 06/07/19 01:00PM 04:10PM W HUM 201

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### PHY-4A Mechanics 4 UNITS

**Prerequisite:** None

Corequisite: MAT-1A

Description: Examines vectors, particle kinematics and dynamics, work and power, conservation of energy and momentum, rotation, oscillations and gravitation. 54 hours lecture and 54 hours laboratory.

**32615** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:15PM 05:40PM MW IT 209

WEL 02/11/19 06/07/19 06:00PM 09:10PM W HUM 201

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### PHY-4B Electricity and Magnetism 4 UNITS

**Prerequisite:** PHY-4A

Corequisite: MAT-1B

Description: Study of electric fields, voltage, current, magnetic fields, electromagnetic induction, alternating currents and electromagnetic waves. 54 hours lecture and 54 hours laboratory.

**32616** Last day to add: 02/22/19

WE 02/11/19 06/07/19 10:30AM 11:55AM MW HUM 201

WEL 02/11/19 06/07/19 01:00PM 04:10PM M HUM 201

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff



## PHY-10 Introduction to General Physics 3 UNITS

**Prerequisite:** MAT-52

Description: A non-science major physics course covering mechanics, properties of matter, heat, sound, light, electricity and magnetism, and nuclear physics. 54 hours lecture.

**32610** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 02:30PM 03:55PM TTH WEQW3

**Instructor:** Staff

## 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.

**32611** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 06:00PM 09:10PM T HUM 201

**Instructor:** Staff

## PHY-11 Physics Laboratory 1 UNIT

**Prerequisite:** None

**Corequisite:** PHY-10

Description: An optional laboratory science course for the non-science major. Emphasis on laboratory techniques, student experimentation and laboratory demonstrations. 54 hours laboratory.

**32612** Last day to add: 02/22/19

LAB 02/11/19 06/07/19 06:00PM 09:20PM TH HUM 201

**Instructor:** Staff

## 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.

**32621** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** S Popiden

### POL-1 American Politics 3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32622** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** C Samuels

### POL-1 American Politics 3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32630** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** S Popiden

### POL-1 American Politics 3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32619** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT 122

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### POL-1 American Politics 3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32628** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW IT 122

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### POL-1 American Politics 3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32623** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:05AM TTH IT 122

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff



## POL-1 American Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32617** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM MW IT 122

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## POL-1 American Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32816** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH IT 202

The above section is a web-enhanced class. Internet access is required.

**Instructor:** R Brown

## POL-1 American Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32629** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 02:30PM 03:55PM T IT 101

HYBO 02/11/19 06/07/19 ON LINE

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** R Brown

## POL-1 American Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32626** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 02:30PM 03:55PM TH IT 101

HYBO 02/11/19 06/07/19 ON LINE

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** R Brown

## POL-1 American Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32627** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM MW IT 122

The above section is a web-enhanced class. Internet access is required.

**Instructor:** K Kazanjian

## POL-1 American Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32620** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM TTH IT 122

The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Samuels

## POL-1 American Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32624** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM M IT 202

The above section is a web-enhanced class. Internet access is required.

**Instructor:** F Carballo

## POL-1 American Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32625** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T ATEC 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** F Carballo



## POL-1 American Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A

Description: An introduction to United States and California government and politics, including their constitutions, political institutions and processes, and political actors. Examination of political behavior, political issues, and public policy. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32618** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM TH STEM 201

The above section is a web-enhanced class. Internet access is required.

**Instructor:** F Carballo

## POL-1H Honors American Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for ENG-1A Limitation on enrollment: Enrollment in the Honors Program

Description: This course addresses the principles, institutions and critical issues of American politics, with emphasis placed on the national government. Specifically, the course offers an enhanced exploration of the philosophic and ideological sources of the American political system and its political culture, political parties and electoral system as well as political interest groups, mass movements, public policy, the media, the judicial system, and California state and local government. The honors course offers an enriched educational experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher-order critical thinking skills. Students may not receive credit for both POL-1 and POL-1H. 54 hours lecture.

**32818** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH IT 208

The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Popiden

## POL-2 Comparative Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and Qualification of English 1A

Description: A comparative study of selected European, Asian, African, Latin American, and Middle Eastern political systems. Concerned with broadening and deepening the students understanding of the nature and variety of political systems. Course topics will include a study of institutions, issues, and policies of various countries. Students may not receive credit for both POL-2 and POL-2H. 54 hours lecture.

**32817** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM TTH IT 122

The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Samuels

## POL-5 The Law and Politics

3 UNITS

**Prerequisite:** None

**Advisory:** REA-83 and qualification for English 1A

Description: The principles and problems of the constitution are examined, with emphasis on how the constitution impacts public policy. Also, the course looks at the constitutional considerations affecting civil rights and liberties. 54 hours lecture.

**32633** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH IT 122

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.

**32637** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** 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.

**33004** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** 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.

**32636** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT 117

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Reed

### 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.

**32642** Last day to add: 03/06/19

WE 02/23/19 06/01/19 08:00AM 12:05PM S IT 101

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** A Deane

### 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.

**32641** Last day to add: 03/05/19

WE 02/22/19 06/07/19 09:00AM 12:20PM F IT 202

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** B Adams



## PSY-1 General Psychology 3 UNITS

**Prerequisite:** None.

Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.

**32639** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW IT 202

The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Caddell

## PSY-1 General Psychology 3 UNITS

**Prerequisite:** None.

Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.

**32643** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:05AM TTH IT 202

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Trujillo

## PSY-1 General Psychology 3 UNITS

**Prerequisite:** None.

Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.

**32638** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM MW IT 117

The above section is a web-enhanced class. Internet access is required.

**Instructor:** T Caddell

## PSY-1 General Psychology 3 UNITS

**Prerequisite:** None.

Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.

**32635** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW IT 122

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Trujillo

## PSY-1 General Psychology 3 UNITS

**Prerequisite:** None.

Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.

**32634** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM TTH WEQ W7

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Trujillo

## PSY-1 General Psychology 3 UNITS

**Prerequisite:** None.

Description: Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.

**32640** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM TH WEQ W7

The above section is a web-enhanced class. Internet access is required.

**Instructor:** W Holmquist

## PSY-1H Honors General Psychology 3 UNITS

**Prerequisite:** None Limitation on enrollment: Enrollment in the Honors Program

Description: Historical and philosophical antecedents of contemporary psychology; the scientific study of behavior and mental processes as systemized in learning, motivation, emotion, personality, intelligence, and thought. This honors course offers an enriched experience for accelerated students through limited class size, seminar format, focus on primary texts, and application of higher level critical thinking skills. Students may not receive credit for both PSY-1 and PSY-1H. 54 hours lecture.

**32819** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW IT 208

The above section is a web-enhanced class. Internet access is required.

**Instructor:** L Adams

## PSY-2 Biological Psychology 3 UNITS

**Prerequisite:** PSY-1

Description: The scientific study of brain-behavior relationships and mental processes. Issues addressed include: historical scientific contributions and current research principles for studying brain-behavior associations and mental processes, basic nervous system structure and function, sensory and motor systems, emotion, motivation, learning and memory, sleep and dreaming, and neurological and mental disorders. Ethical standards for human and animal research are discussed in the context of both invasive and non-invasive experimental investigations. 54 hours lecture.

**32644** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:05AM TTH IT 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** L Adams

## PSY-8 Introduction to Social Psychology 3 UNITS

**Prerequisite:** None.

Description: The study of individual human behavior in relation to the social environment.

**32648** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH ATEC 205

The above section is a web-enhanced class. Internet access is required.

**Instructor:** L Adams

## PSY-9 Developmental Psychology 3 UNITS

**Prerequisite:** None

Description: This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

**32654** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** K Zamiska



## PSY-9 Developmental Psychology 3 UNITS

**Prerequisite:** None

Description: This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

**32822** Last day to add: 02/22/19

OL 02/11/19 06/07/19 ON LINE

The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** K Zamiska

## PSY-9 Developmental Psychology 3 UNITS

**Prerequisite:** None

Description: This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

**32650** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH IT 202

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Deane

## PSY-9 Developmental Psychology 3 UNITS

**Prerequisite:** None

Description: This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

**32649** Last day to add: 03/06/19

WE 02/23/19 06/01/19 08:00AM 11:35AM S IT 122

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** H Alvarado

## 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.

**32651** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM MW IT 202

The above section is a web-enhanced class. Internet access is required.

**Instructor:** N Hightower

## PSY-9 Developmental Psychology 3 UNITS

**Prerequisite:** None

Description: This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

**32652** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW ATEC 204

The above section is a web-enhanced class. Internet access is required.

**Instructor:** N Hightower

## PSY-9 Developmental Psychology 3 UNITS

**Prerequisite:** None

Description: This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

**32653** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM MW WEQ W7

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## PSY-9 Developmental Psychology 3 UNITS

**Prerequisite:** None

Description: This course examines the biological, social and environmental variable of human life-span development in the physical, cognitive, and psychosocial domains. Theory, research, and application of life span relevant material in psychology are presented. 54 hours lecture.

**32821** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM TTH WEQ W6A

The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Hicks

## 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.

**32820** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T IT 117

The above section is a web-enhanced class. Internet access is required.

**Instructor:** W Radtke

## PSY-35 Abnormal Psychology 3 UNITS

**Prerequisite:** None.

Description: A survey of the nature, causes and treatment of psychological disorder.

**32645** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM TTH IT 202

The above section is a web-enhanced class. Internet access is required.

**Instructor:** K Zamiska

## PSY-48 Statistics for the Behavioral Sciences 3 UNITS

**Prerequisite:** MAT-35

Description: This course introduces students to basic statistical methods and analyses commonly used in behavioral science research. Topics cover both inferential and descriptive statistics including correlations, regression analysis, chi-squares, t-tests, analysis of variance, and an introduction to factorial designs. This course covers the logic of hypothesis testing and emphasizes conceptualization of material and interpreting findings for use in behavioral science research above computation. This course trains students to use a statistical software package used by behavioral science researchers and prepares them to proficiently consume published research in the behavioral sciences. 54 hours lecture.

**32823** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM MW IT 106

The above section is a web-enhanced class. Internet access is required.

**Instructor:** L Adams





## PSY-50 Research Methods in Psychology 4 UNITS

**Prerequisite:** PSY-1 and MAT-12 or MAT-12H

Description: This course introduces students to psychological research methods with emphasis on the use of the scientific method. The laboratory will complement the lectures and allow each student to design and conduct behavioral research, including collecting and analyzing research data. 63 hours lecture and 27 hours laboratory.

**32647** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:35PM MW WEQ W6B

WEL 02/11/19 06/07/19 10:45AM 12:10PM M CACT 2

The above section is a web-enhanced class. Internet access is required.

**Instructor:** K Zamiska

## PSY-50 Research Methods in Psychology 4 UNITS

**Prerequisite:** PSY-1 and MAT-12 or MAT-12H

Description: This course introduces students to psychological research methods with emphasis on the use of the scientific method. The laboratory will complement the lectures and allow each student to design and conduct behavioral research, including collecting and analyzing research data. 63 hours lecture and 27 hours laboratory.

**32646** Last day to add: 02/22/19

WE 02/11/19 06/07/19 03:00PM 04:50PM MW WEQ W6B

WEL 02/11/19 06/07/19 10:45AM 12:10PM W CACT 2

The above section is a web-enhanced class. Internet access is required.

**Instructor:** K Zamiska

## READING

### REA-4 Critical Reading as Critical Thinking 3 UNITS

**Prerequisite:** None

**Advisory:** Qualification for ENG-1A

Description: This course is intended for students to fully understand the relationship between critical reading and critical thinking. Emphasis will be placed on the development of reading skills in the interpretation, analysis, criticism and advocacy of ideas encountered in academic reading. 54 hours lecture.

**32970** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 09:40AM 11:00AM TTH LIBR 110

**Instructor:** M Sloniger

### REA-4 Critical Reading as Critical Thinking 3 UNITS

**Prerequisite:** None

**Advisory:** Qualification for ENG-1A

Description: This course is intended for students to fully understand the relationship between critical reading and critical thinking. Emphasis will be placed on the development of reading skills in the interpretation, analysis, criticism and advocacy of ideas encountered in academic reading. 54 hours lecture.

**32971** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 11:15AM 12:40PM TTH LIBR 110

**Instructor:** M Sloniger

### REA-83 College Reading and Thinking 3 UNITS

**Prerequisite:** REA-82 or ESL-73 or qualifying placement level

Description: Intended for students who experience moderate difficulty in reading college-level material. Instruction in reading skills at a more advanced level than those covered in REA-82. 54 hours lecture. (Non-degree credit course. Letter Grade or Pass/No Pass option.)

**32659** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 09:15AM 10:40AM MW LIBR 110

**Instructor:** M Sloniger

### REA-83 College Reading and Thinking 3 UNITS

**Prerequisite:** REA-82 or ESL-73 or qualifying placement level

Description: Intended for students who experience moderate difficulty in reading college-level material. Instruction in reading skills at a more advanced level than those covered in REA-82. 54 hours lecture. (Non-degree credit course. Letter Grade or Pass/No Pass option.)

**32660** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 11:10AM 12:35PM MW LIBR 110

**Instructor:** M Sloniger

### REA-83 College Reading and Thinking 3 UNITS

**Prerequisite:** REA-82 or ESL-73 or qualifying placement level

Description: Intended for students who experience moderate difficulty in reading college-level material. Instruction in reading skills at a more advanced level than those covered in REA-82. 54 hours lecture. (Non-degree credit course. Letter Grade or Pass/No Pass option.)

**32969** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 02:30PM 03:55PM TTH LIBR 110

**Instructor:** M Sloniger

## REAL ESTATE

### RLE-80 Real Estate Principles 3 UNITS

**Prerequisite:** None.

Description: Comprehensive analysis of basic laws, principles, terminology and current practices of California real estate.

**32661** Last day to add: 02/19/19

OL 02/11/19 04/05/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** S Doll

### RLE-80 Real Estate Principles 3 UNITS

**Prerequisite:** None.

Description: Comprehensive analysis of basic laws, principles, terminology and current practices of California real estate.

**32662** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** L Namazi

### RLE-80 Real Estate Principles 3 UNITS

**Prerequisite:** None.

Description: Comprehensive analysis of basic laws, principles, terminology and current practices of California real estate.

**32663** Last day to add: 02/22/19

HYB 02/11/19 06/07/19 06:00PM 07:25PM M IT 109

HYBO 02/11/19 06/07/19 ON LINE

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** L Namazi



## RLE-81 Real Estate Practices

3 UNITS

**Prerequisite:** None

Description: Covers basic laws and principles of California real estate, terminology and daily operations in a real estate brokerage. Includes listing, prospecting, advertising, financing, sales techniques, escrow and ethics. Applies toward state's educational requirements for the brokers examination. 54 hours lecture.

**32664** Last day to add: 02/19/19

OL 02/11/19 04/05/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See www.opencampus.com. Please note the start and end dates.

**Instructor:** T Wagner

## 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.

**32665** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See www.opencampus.com. Please note the start and end dates.

**Instructor:** T Wagner

## RLE-82 Legal Aspects of Real Estate

3 UNITS

**Prerequisite:** None

Description: California real estate law, including rights incident to property ownership and management, agency, contracts, and application to real estate transfer, conveyance, probate proceedings, trust deeds, and foreclosure, as well as recent legislation governing real estate transactions. Applies toward educational requirement of brokers examination. 54 hours lecture.

**32666** Last day to add: 02/19/19

OL 02/11/19 04/05/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See www.opencampus.com. Please note the start and end dates.

**Instructor:** T Wagner

## RLE-82 Legal Aspects of Real Estate

3 UNITS

**Prerequisite:** None

Description: California real estate law, including rights incident to property ownership and management, agency, contracts, and application to real estate transfer, conveyance, probate proceedings, trust deeds, and foreclosure, as well as recent legislation governing real estate transactions. Applies toward educational requirement of brokers examination. 54 hours lecture.

**32667** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See www.opencampus.com. Please note the start and end dates.

**Instructor:** T Wagner

## RLE-83 Real Estate Finance

3 UNITS

**Prerequisite:** None.

Description: Analysis of real estate finance in residential, apartment, commercial and special purpose properties.

**32668** Last day to add: 02/19/19

OL 02/11/19 04/05/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See www.opencampus.com. Please note the start and end dates.

**Instructor:** T Wagner

## RLE-83 Real Estate Finance

3 UNITS

**Prerequisite:** None.

Description: Analysis of real estate finance in residential, apartment, commercial and special purpose properties.

**32669** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See www.opencampus.com. Please note the start and end dates.

**Instructor:** Staff

## RLE-85 Real Estate Economics

3 UNITS

**Prerequisite:** None

Description: Trends and factors affecting the value of real estate; the nature and classification of land economics; the development of property, construction and subdivision, economic values and real estate evaluation; real estate cycles and business fluctuations, residential market trends, real and special purpose property trends. 54 hours lecture.

**32670** Last day to add: 04/23/19

OL 04/15/19 06/07/19 ON LINE

The above section is a short term online class. Computer with Internet access required.

See www.opencampus.com. Please note the start and end dates.

**Instructor:** S Doll

## 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

**32676** Last day to add: 02/22/19

WE 02/11/19 06/07/19 08:00AM 09:25AM TTH ATEC 114

The above section is a web-enhanced class. Internet access is required.

**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

**32682** Last day to add: 03/06/19

WE 02/23/19 06/01/19 08:00AM 12:05PM S IT 109

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** Staff

## 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

**32675** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:15AM 10:40AM MW WEQ W7

The above section is a web-enhanced class. Internet access is required.

**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

**32681** Last day to add: 02/22/19

WE 02/11/19 06/07/19 09:40AM 11:05AM TTH ATEC 114

The above section is a web-enhanced class. Internet access is required.

**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

**32680** Last day to add: 03/05/19

WE 02/22/19 06/07/19 10:30AM 01:50PM F IT 122

The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** Staff

## 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

**32677** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:10AM 12:35PM MW WEQ W7

The above section is a web-enhanced class. Internet access is required.

**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

**32671** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM TTH WEQ W6B

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff



## SOC-1 Introduction to Sociology

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-50

Description: An introduction to the basic concepts relating to the study of society. The course includes investigation into the foundations of sociology including its overall perspective, theoretical orientations, and research methodology; the foundations of social life including the components of culture, social interaction and the process of socialization, groups, organizations, and deviance; economic social inequality based upon class, race, sex, and age; social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and 1H. 54 hours lecture

**32679** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM MW ATEC 210

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## 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

**32672** Last day to add: 02/22/19

WE 02/11/19 06/07/19 04:10PM 05:35PM TTH IT 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## 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

**32683** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM M ATEC 210

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## SOC-1 Introduction to Sociology

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-50

Description: An introduction to the basic concepts relating to the study of society. The course includes investigation into the foundations of sociology including its overall perspective, theoretical orientations, and research methodology; the foundations of social life including the components of culture, social interaction and the process of socialization, groups, organizations, and deviance; economic social inequality based upon class, race, sex, and age; social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and 1H. 54 hours lecture

**32673** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T IT 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## SOC-1 Introduction to Sociology

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-50

Description: An introduction to the basic concepts relating to the study of society. The course includes investigation into the foundations of sociology including its overall perspective, theoretical orientations, and research methodology; the foundations of social life including the components of culture, social interaction and the process of socialization, groups, organizations, and deviance; economic social inequality based upon class, race, sex, and age; social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and 1H. 54 hours lecture

**32678** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM TH IT 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## SOC-1 Introduction to Sociology

3 UNITS

**Prerequisite:** None

**Advisory:** ENG-50

Description: An introduction to the basic concepts relating to the study of society. The course includes investigation into the foundations of sociology including its overall perspective, theoretical orientations, and research methodology; the foundations of social life including the components of culture, social interaction and the process of socialization, groups, organizations, and deviance; economic social inequality based upon class, race, sex, and age; social institutions; and dimensions of social change. Students may not receive credit for both SOC-1 and 1H. 54 hours lecture

**32674** Last day to add: 02/22/19

WE 02/11/19 06/07/19 07:50PM 09:15PM MW IT 117

The above section is a web-enhanced class. Internet access is required.

**Instructor:** K Andacheh



## SOC-2 American Social Problems

3 UNITS

**Prerequisite:** None

Description: Identification and analysis of major social problems confronting contemporary 20th century America; emphasizing, among other topics, urban and rural transformations, family life, minorities, criminal and delinquent behavior. 54 hours lecture.

**32685** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM T IT 109

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## SOC-3 Social Inequality

3 UNITS

**Prerequisite:** None

Description: This course introduces students to the extent of inequality in its various forms in American society, the consequences of inequality for individual life chances and for society as a whole, the theoretical explanations given for the existence of inequality, and to the persistence of inequality and poverty. 54 hours lecture.

**32687** Last day to add: 02/22/19

WE 02/11/19 06/07/19 11:15AM 12:40PM TTH ATEC 114

The above section is a web-enhanced class. Internet access is required.

**Instructor:** K Andacheh

## SOC-10 Race And Ethnic Relations

3 UNITS

**Prerequisite:** None

Description: An introduction to the relevant theories and operational definitions that ground the study of race and ethnic relations in the social sciences. Extensive treatment of prejudice, discrimination and the concept of racism. The course brings into sharper focus the history and contemporary status of White ethnics, religious minorities, American-Indians, African-Americans, Hispanic-Americans, and women in the United States. Social institutions, such as family, education, politics, and the economy receive special attention for each group. The similarities and differences in ethnic hostilities between the U.S. and other societies are closely examined. 54 hours lecture

**33032** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 12:25PM 01:50PM MW CRC CRCU

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

**Instructor:** J Hill

## SOC-10 Race And Ethnic Relations

3 UNITS

**Prerequisite:** None

Description: An introduction to the relevant theories and operational definitions that ground the study of race and ethnic relations in the social sciences. Extensive treatment of prejudice, discrimination and the concept of racism. The course brings into sharper focus the history and contemporary status of White ethnics, religious minorities, American-Indians, African-Americans, Hispanic-Americans, and women in the United States. Social institutions, such as family, education, politics, and the economy receive special attention for each group. The similarities and differences in ethnic hostilities between the U.S. and other societies are closely examined. 54 hours lecture

**33031** Last day to add: 02/22/19

WE 02/11/19 06/07/19 02:30PM 03:55PM TTH IT 206

The above section is a web-enhanced class, designed with special emphasis on African American culture. See the Umoja (T3P) counselor prior to enrolling. Internet access is required.

**Instructor:** J Hill

## SOC-10 Race And Ethnic Relations

3 UNITS

**Prerequisite:** None

Description: An introduction to the relevant theories and operational definitions that ground the study of race and ethnic relations in the social sciences. Extensive treatment of prejudice, discrimination and the concept of racism. The course brings into sharper focus the history and contemporary status of White ethnics, religious minorities, American-Indians, African-Americans, Hispanic-Americans, and women in the United States. Social institutions, such as family, education, politics, and the economy receive special attention for each group. The similarities and differences in ethnic hostilities between the U.S. and other societies are closely examined. 54 hours lecture

**33033** Last day to add: 02/22/19

LEC 02/11/19 06/07/19 05:50PM 09:00PM T CRC CRCL

The above class is part of Norco College's Next Phase Partnership with the CRC in Norco, serving men pursuing a college education while incarcerated at the CRC in Norco.

**Instructor:** J Hill

## SOC-12 Marriage and Family Relations

3 UNITS

**Prerequisite:** None

Advisory: SOC-1 and ENG-50

Description: Examines the major trends in marriage, families, and intimate relationships. Focuses on how inequality and diversity affect intimate and family relations. Discusses the dynamics of gender inequality among families and couples and how family life is shaped by race and ethnicity, social class, and sexuality. Discusses issues of interpersonal violence, divorce, and life in later years. 54 hours lecture.

**32684** Last day to add: 02/22/19

WE 02/11/19 06/07/19 12:45PM 02:10PM MW WEQ W5

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

## SOC-20 Introduction to Criminology

3 UNITS

**Prerequisite:** None.

Description: A sociological analysis of crime, criminal law and criminality.

**32686** Last day to add: 02/22/19

WE 02/11/19 06/07/19 06:00PM 09:10PM W ATEC 210

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff



## 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 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.)

**32691** Last day to add: 02/22/19

WE	02/11/19	06/07/19	07:50AM	09:55AM	W	LIBR 109
WE2	02/11/19	06/07/19	07:50AM	11:00AM	M	LIBR 121
WEL	02/11/19	06/07/19	10:00AM	10:50AM	M	LIBR 121

The above section is a web-enhanced class. Internet access is required.

**Instructor:** D Hitchcock

### SPA-1 Spanish 1

5 UNITS

**Prerequisite:** None

**Advisory:** Completion of placement test to assess level of proficiency in Spanish.

**Description:** This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)

**32688** Last day to add: 02/22/19

WE	02/11/19	06/07/19	07:50AM	09:55AM	TH	LIBR 109
WE2	02/11/19	06/07/19	07:50AM	11:00AM	T	LIBR 121
WEL	02/11/19	06/07/19	10:00AM	10:50AM	T	LIBR 121

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Covarrubias

### SPA-1 Spanish 1

5 UNITS

**Prerequisite:** None

**Advisory:** Completion of placement test to assess level of proficiency in Spanish.  
**Description:** This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)

**32690** Last day to add: 02/22/19

HYB	02/11/19	06/07/19	08:00AM	11:15AM	F	LIBR 121
HYBO	02/11/19	06/07/19				ON LINE
HYBL	02/11/19	06/07/19	11:25AM	12:35PM	F	LIBR 121

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** D Hitchcock

### SPA-1 Spanish 1

5 UNITS

**Prerequisite:** None

**Advisory:** Completion of placement test to assess level of proficiency in Spanish.  
**Description:** This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)

**32692** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:05AM	02:10PM	M	LIBR 109
WE2	02/11/19	06/07/19	11:15AM	01:20PM	W	LIBR 121
WEL	02/11/19	06/07/19	01:25PM	02:15PM	W	LIBR 121

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Covarrubias

### SPA-1 Spanish 1

5 UNITS

**Prerequisite:** None

**Advisory:** Completion of placement test to assess level of proficiency in Spanish.  
**Description:** This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)

**32694** Last day to add: 02/22/19

WE	02/11/19	06/07/19	02:30PM	04:35PM	M	LIBR 121
WE2	02/11/19	06/07/19	02:30PM	05:40PM	W	LIBR 109
WEL	02/11/19	06/07/19	04:40PM	05:30PM	M	LIBR 121

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Lomeli Gomez



## SPA-1 Spanish 1

5 UNITS

**Prerequisite:** None

**Advisory:** Completion of placement test to assess level of proficiency in Spanish.  
**Description:** This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)

							Last day to add: 02/22/19
WE	02/11/19	06/07/19	02:30PM	05:40PM	M	LIBR 109	
WE2	02/11/19	06/07/19	02:30PM	04:35PM	W	LIBR 121	
WEL	02/11/19	06/07/19	04:40PM	05:30PM	W	LIBR 121	

The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Pares

## SPA-1 Spanish 1

5 UNITS

**Prerequisite:** None

**Advisory:** Completion of placement test to assess level of proficiency in Spanish.  
**Description:** This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)

							Last day to add: 02/22/19
HYB	02/11/19	06/07/19	02:30PM	04:45PM	TH	LIBR 109	
HYB2	02/11/19	06/07/19	02:30PM	03:45PM	T	LIBR 121	
HYB0	02/11/19	06/07/19				ON LINE	
HYBL	02/11/19	06/07/19	03:50PM	04:40PM	T	LIBR 121	

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** D Hitchcock

## SPA-1 Spanish 1

5 UNITS

**Prerequisite:** None

**Advisory:** Completion of placement test to assess level of proficiency in Spanish.  
**Description:** This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)

							Last day to add: 02/22/19
WE	02/11/19	06/07/19	06:00PM	08:05PM	M	LIBR 109	
WE2	02/11/19	06/07/19	06:00PM	09:10PM	W	LIBR 121	
WEL	02/11/19	06/07/19	08:10PM	09:00PM	W	LIBR 121	

The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Solorzano

## SPA-1 Spanish 1

5 UNITS

**Prerequisite:** None

**Advisory:** Completion of placement test to assess level of proficiency in Spanish.  
**Description:** This course concentrates on developing basic skills in listening, reading, speaking and writing. Emphasis is placed on acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of native spoken and written Spanish at the beginning level. This course includes discussion of Hispanic culture and daily life. Students may receive credit for only one of the following: SPA-1 or SPA-1H or SPA-1A and 1B. 90 hours lecture and 18 hours laboratory.(TBA option)(Letter Grade, or Pass/No Pass option.)

							Last day to add: 02/22/19
WE	02/11/19	06/07/19	06:00PM	09:10PM	T	LIBR 109	
WE2	02/11/19	06/07/19	06:00PM	08:05PM	TH	LIBR 121	
WEL	02/11/19	06/07/19	08:10PM	09:10PM	TH	LIBR 121	

The above section is a web-enhanced class. Internet access is required.

**Instructor:** I Vejar

## SPA-2 Spanish 2

5 UNITS

**Prerequisite:** SPA-1B or SPA-1 or SPA-1H, or qualifying placement level on the Spanish assessment test or the equivalent

**Description:** Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the beginning level. This course includes an expanded discussion of Hispanic culture and daily life. Students may not receive credit for both SPA-2 and SPA-2H. 90 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

							Last day to add: 02/22/19
WE	02/11/19	06/07/19	07:50AM	11:00AM	M	LIBR 109	
WE2	02/11/19	06/07/19	07:50AM	09:55AM	W	LIBR 121	
WEL	02/11/19	06/07/19	10:00AM	10:50AM	W	LIBR 121	

The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Covarrubias

## SPA-2 Spanish 2

5 UNITS

**Prerequisite:** SPA-1B or SPA-1 or SPA-1H, or qualifying placement level on the Spanish assessment test or the equivalent

**Description:** Further development of basic skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the beginning level. This course includes an expanded discussion of Hispanic culture and daily life. Students may not receive credit for both SPA-2 and SPA-2H. 90 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

							Last day to add: 02/22/19
HYB	02/11/19	06/07/19	02:30PM	04:45PM	T	LIBR 109	
HYB2	02/11/19	06/07/19	02:30PM	03:45PM	TH	LIBR 121	
HYB0	02/11/19	06/07/19	03:50PM	04:40PM	TH	LIBR 121	
HYBL	02/11/19	06/07/19				ON LINE	

The above section is a hybrid class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** N Guillen



## SPA-3 Spanish 3 5 UNITS

**Prerequisite:** SPA-2 or SPA-2H or qualifying placement level on the Spanish assessment test or the equivalent

Description: Development of intermediate skills in listening, reading, speaking and writing. A continued emphasis on the acquisition of vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the intermediate level. This course includes an expanded discussion of Hispanic culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

**32697** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	09:10PM	W	LIBR 109
WE2	02/11/19	06/07/19	06:00PM	08:05PM	M	LIBR 121
WEL	02/11/19	06/07/19	08:10PM	09:00PM	M	LIBR 121

The above section is a web-enhanced class. Internet access is required.

**Instructor:** R Contreras

## SPA-4 Spanish 4 5 UNITS

**Prerequisite:** SPA-3 or SPA-3N, qualifying placement level on the Spanish assessment test or the equivalent

Description: Further development of intermediate skills in listening, reading, speaking and writing. A review of the vocabulary, structures and grammatical patterns necessary for comprehension of standard spoken and written Spanish at the intermediate level. Enhancement of basic Spanish language skills through the reading of authentic literary and factual texts. This course includes an expanded discussion of Hispanic culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA option)(Letter Grade, or Pass/No Pass option.)

**32698** Last day to add: 02/22/19

WE	02/11/19	06/07/19	07:50AM	11:00AM	T	LIBR 109
WE2	02/11/19	06/07/19	07:50AM	09:55AM	TH	LIBR 121
WEL	02/11/19	06/07/19	10:00AM	10:50AM	TH	LIBR 121

The above section is a web-enhanced class. Internet access is required.

**Instructor:** D Hitchcock

## SPA-8 Intermediate Conversation 3 UNITS

**Prerequisite:** SPA-2 or SPA-2H or SPA-3 or SPA-3N or SPA-4

Description: Intermediate-level vocabulary building and improvement of speaking proficiency in the context of Hispanic culture, daily life, and topics of current interest. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**32699** Last day to add: 02/22/19

WE	02/11/19	06/07/19	11:15AM	12:40PM	TTH	LIBR 121
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Covarrubias

## 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.

**32700** Last day to add: 02/22/19

OL	02/11/19	06/07/19				ON LINE
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The above section is an online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com).

**Instructor:** Staff

### THE-3 Introduction to the Theater 3 UNITS

**Prerequisite:** None

Description: A comprehensive study of theatrical styles and forms with units in directing, acting, designing, technical theater, playwriting, and genres, to acquaint the student with the diverse nature of theater leading to an appreciation and understanding of theater as a separate and distinctive art form. 54 hours lecture.

**32702** Last day to add: 02/19/19

OL	02/11/19	04/07/19				ON LINE
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The above section is a short term online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** Staff

### THE-3 Introduction to the Theater 3 UNITS

**Prerequisite:** None

Description: A comprehensive study of theatrical styles and forms with units in directing, acting, designing, technical theater, playwriting, and genres, to acquaint the student with the diverse nature of theater leading to an appreciation and understanding of theater as a separate and distinctive art form. 54 hours lecture.

**32703** Last day to add: 04/23/19

OL	04/15/19	06/07/19				ON LINE
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The above section is a short term online class. Computer with Internet access required.

See [www.opencampus.com](http://www.opencampus.com). Please note the start and end dates.

**Instructor:** Staff

### THE-3 Introduction to the Theater 3 UNITS

**Prerequisite:** None

Description: A comprehensive study of theatrical styles and forms with units in directing, acting, designing, technical theater, playwriting, and genres, to acquaint the student with the diverse nature of theater leading to an appreciation and understanding of theater as a separate and distinctive art form. 54 hours lecture.

**32701** Last day to add: 02/22/19

WE	02/11/19	06/07/19	01:55PM	03:20PM	TTH	THTR 101
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

### THE-3 Introduction to the Theater 3 UNITS

**Prerequisite:** None

Description: A comprehensive study of theatrical styles and forms with units in directing, acting, designing, technical theater, playwriting, and genres, to acquaint the student with the diverse nature of theater leading to an appreciation and understanding of theater as a separate and distinctive art form. 54 hours lecture.

**32704** Last day to add: 02/22/19

WE	02/11/19	06/07/19	06:00PM	09:10PM	W	THTR 101
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff





## THE-39 Acting for the Camera

**Prerequisite:** None

**Advisory:** THE-32

Description: Principles and techniques of specialized methods and styles involved in acting for the camera culminating in performance on film. This course encompasses the study and exercise in the special techniques of acting for the motion picture and television cameras. Emphasis will be placed on gaining an understanding of the various camera angles, shots, positions and actor behaviors that are unique to acting before a camera. Practical work in front of a camera is required. 45 hours lecture and 27 hours laboratory.

**32705**

**Last day to add: 03/14/19**

WE 02/11/19 06/07/19 03:25PM 04:35PM TTH THTR 101

WEL 02/11/19 06/07/19 04:40PM 06:00PM T THTR 101

The above section is a web-enhanced class. Internet access is required.

**Instructor:** Staff

**3 UNITS**

## WKX-200 Work Experience

**Prerequisite:** None

**Advisory:** Students should have paid or voluntary employment

Description: This course is designed to coordinate the students occupational on-the-job training with related instruction in work-related skills, including occupational and educational resources, career planning, resume development and interview techniques. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement; 60 hours of volunteer work or 75 hours of paid work in the semester are required for each unit. WKX-200 is an enrolling course for General Work Experience and Occupational Work Experience courses. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting. Determination of the appropriate work experience course is made by the instructor, with input from the student, based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit.

**32707**

**Last day to add: 02/22/19**

WRK 02/11/19 06/07/19

ON LINE

The above section is an online class. Computer with Internet access required. See [www.open-campus.com](http://www.open-campus.com). In addition to the online lecture, students are required to attend an orientation at Norco College the first week of the semester, dates and times will be posted in Blackboard. Students must also meet on-campus for an instructor conference and for final exams. Please see Blackboard for specific dates and times.

**Instructor:** M Snow

**1 UNIT**

## WORK EXPERIENCE

### WKX-200 Work Experience

**Prerequisite:** None

**Advisory:** Students should have paid or voluntary employment

Description: This course is designed to coordinate the students occupational on-the-job training with related instruction in work-related skills, including occupational and educational resources, career planning, resume development and interview techniques. Students may earn up to four (4) units each semester for a maximum of 16 units of work experience. No more than 20 hours per week may be applied toward the work requirement; 60 hours of volunteer work or 75 hours of paid work in the semester are required for each unit. WKX-200 is an enrolling course for General Work Experience and Occupational Work Experience courses. Students enrolling in WKX-200 are administratively moved to the appropriate general or occupational work experience course after the first class meeting. Determination of the appropriate work experience course is made by the instructor, with input from the student, based upon several factors, including the number of hours worked during the semester, occupational program requirements, and type of work in which the student is engaged. 18 hours orientation and 60 hours of volunteer work experience (maximum of 240 hours) or 75 hours of paid work experience (maximum of 300 hours) are required for each enrolled unit.

**32706**

**Last day to add: 02/22/19**

WRK 02/11/19 06/07/19

ON LINE

The above section is an online class. Computer with Internet access required. See [www.open-campus.com](http://www.open-campus.com). In addition to the online lecture, students are required to attend an orientation at Norco College the first week of the semester, dates and times will be posted in Blackboard. Students must also meet on-campus for an instructor conference and for final exams. Please see Blackboard for specific dates and times.

**Instructor:** A Etchison

**1 UNIT**

## WRITING LAB -NORCO FULL TERM

### WL--LAB Writing Center Lab

**0 UNITS**

Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills. **Prerequisite:** None.

**32716**

**Last day to add: 02/22/19**

WEL 02/11/19 06/07/19 09:00AM 09:50AM T IT 121

**Instructor:** N Capps

### WL--LAB Writing Center Lab

**0 UNITS**

Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills. **Prerequisite:** None.

**32721**

**Last day to add: 02/22/19**

WEL 02/11/19 06/07/19 02:00PM 02:50PM T IT 121

**Instructor:** N Capps

### WL--LAB Writing Center Lab

**0 UNITS**

Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills. **Prerequisite:** None.

**32722**

**Last day to add: 02/22/19**

WEL 02/11/19 06/07/19 03:00PM 03:50PM T IT 121

**Instructor:** N Capps



**WL--LAB Writing Center Lab**

**0 UNITS**

Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills. **Prerequisite:** None.

**32723**

**Last day to add: 02/22/19**

WEL 02/11/19 06/07/19 04:00PM 04:50PM T IT 121

**Instructor:** N Capps

**WL--LAB Writing Center Lab**

**0 UNITS**

Introduction to drawing in a variety of media. Exploration of the elements of art, composition, perspective, including development of observational, motor and creative skills. **Prerequisite:** None.

**32715**

**Last day to add: 02/22/19**

WEL 02/11/19 06/07/19 06:00PM 06:50PM M IT 121

**Instructor:** N Capps

