

# Spring

Schedule of Classes



NORCO COLLEGE SCHOOL OF Arts & Humanities



NORCO COLLEGE SCHOOL OF Social & Behavioral Studies



NORCO COLLEGE SCHOOL OF Business & Management



NORCO COLLEGE SCHOOL OF Science, Technology, Engineering & Mathematics

[WWW.NORCOCOLLEGE.EDU](http://WWW.NORCOCOLLEGE.EDU)

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
H UM	Humanities	TH TR	Theater Building
IT	Industrial Technology	WE Q	West End Quad
JFK	John F. Kennedy Middle College High School		

## ACCOUNTING

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

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.

**33797** Last day to add: 02/23/18  
OL 02/12/18 06/07/18 ON LINE

The above section is a 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

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.

**33798** Last day to add: 02/20/18  
OL 02/12/18 04/08/18 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-1A Principles of Accounting I 3 UNITS

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.

**33800** Last day to add: 02/23/18  
OL 04/16/18 06/07/18 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-1A Principles of Accounting I 3 UNITS

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.

**33801** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 08:45AM 10:10AM MW STEM 115

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

**Instructor:** N Ildefonso

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

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.

**33799** Last day to add: 02/19/18

HYB 02/13/18 04/05/18 09:40AM 11:05AM TTH IT 109

HYBO 02/13/18 04/05/18 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

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.

**33795** Last day to add: 02/19/18

HYB 02/13/18 04/05/18 06:00PM 07:25PM TTH JFK 224

HYBO 02/13/18 04/05/18 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 Snow

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

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.

**33796** Last day to add: 02/23/18

WE 02/12/18 06/07/18 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.

**33804** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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.

**33805** Last day to add: 04/24/18

OL 04/16/18 06/07/18 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.

**33807** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 09:25AM TTH IT 109

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

**Instructor:** N Ildefonso

## 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.

**33806** Last day to add: 04/23/18

HYB 04/17/18 06/07/18 09:40AM 11:05AM TTH IT 109

HYBO 04/17/18 06/07/18 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.

**33802** Last day to add: 02/23/18

WE 02/12/18 06/07/18 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.

**33803** Last day to add: 04/23/18

HYB 04/17/18 06/07/18 06:00PM 07:25PM TTH JFK 224

HYBO 04/17/18 06/07/18 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 Snow

## ACC-55 Applied Accounting/Bookkeeping 3 UNITS

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.)

**34541** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:45AM 10:10AM MW IT 111

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

Instructor: Staff

## 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.)

**33808** Last day to add: 02/20/18

OL 02/12/18 04/08/18 ON LINE

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

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

Instructor: M Scott

## ACC-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.)

**33809** Last day to add: 04/24/18

OL 04/16/18 06/07/18 ON LINE

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

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

Instructor: M Scott

## ACC-65 Computerized Accounting 3 UNITS

Prerequisite: ACC-1A or ACC-55 Advisory: CIS-1A or CIS-3 Description: An introduction to computerized accounting, integrating the principles of accounting to an automated system in use by many accounting professionals. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**33810** Last day to add: 02/23/18

OL 02/12/18 06/07/18 ON LINE

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

See www.opencampus.com.

Instructor: N Ildefonso

## ACC-67 U.S. and California Income Tax Preparation 4 UNITS

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.

**33811** Last day to add: 02/18/18

HYB 02/14/18 04/04/18 05:40PM 09:55PM W JFK 226

HYBO 02/14/18 04/04/18 ON LINE

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

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

Instructor: J Muir

## ACC-200 Acctg Work Experience 1 UNIT

Course is designed to coordinate the student's occupational on-the-job training with related classroom instruction.

PREREQUISITE: None.

ADVISORY: Students should have paid or voluntary employment.

**34698** Last day to add: 02/23/18

WRK 02/12/18 06/07/18 ON LINE

The above section is an online class. Computer with Internet access required. See www.opencampus.com. In addition to the online lecture, students are required to attend 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.

See Blackboard for specific dates and times.

See Blackboard for specific dates and times.

Instructor: Staff

## ADMINISTRATION OF JUSTICE

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

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.

**34544** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 03:00PM 04:25PM MW ERHS B207

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

Instructor: S Williams

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

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.

**34543** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 05:40PM TTH IT 109

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

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.

**34542** Last day to add: 02/26/18

WE 02/15/18 05/31/18 06:00PM 09:20PM TH STEM 115

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

**Instructor:** S Williams

## ADJ-6 Patrol Procedures 3 UNITS

Description: Responsibilities, techniques and methods of police patrol. 54 hours lecture.

**34545** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:45PM 02:10PM MW IT 122

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

**Instructor:** S Williams

## ADJ-8 Juvenile Law and Procedures 3 UNITS

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.

**33813** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM T STEM 115

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

**Instructor:** S Williams

## ANATOMY AND PHYSIOLOGY

### AMY-2A Anatomy and Physiology I 4 UNITS

Prerequisite: BIO-1 or BIO-1H 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.

**33816** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 02:00PM 03:05PM T ST 211

LEC2 02/12/18 06/07/18 02:00PM 02:50PM TH ST 211

LAB 02/12/18 06/07/18 09:30AM 12:40PM TTH ST 211

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

**Instructor:** C Sternburg

### AMY-2A Anatomy and Physiology I 4 UNITS

Prerequisite: BIO-1 or BIO-1H 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.

**33815** Last day to add: 02/23/18

WE 02/12/18 06/07/18 05:15PM 06:05PM T ST 207

WE2 02/12/18 06/07/18 05:15PM 06:20PM TH ST 207

WEL 02/12/18 06/07/18 06:30PM 09:40PM TTH ST 207

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

**Instructor:** A Hoffman

### AMY-2B Anatomy and Physiology II 4 UNITS

Prerequisite: AMY-2A Description: Second of a two course sequence in anatomy and physiology that covers these systems: nervous, endocrine, cardiovascular, respiratory, urinary, digestive, and reproductive organ systems. 36 hours lecture and 108 hours laboratory.

**33817** Last day to add: 02/23/18

WE 02/12/18 06/07/18 11:30AM 12:20PM T IT 101

WE2 02/12/18 06/07/18 11:30AM 12:35PM TH IT 101

WEL 02/12/18 06/07/18 08:00AM 11:10AM TTH ST 207

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

**Instructor:** P Campo

### AMY-2B Anatomy and Physiology II 4 UNITS

Prerequisite: AMY-2A Description: Second of a two course sequence in anatomy and physiology that covers these systems: nervous, endocrine, cardiovascular, respiratory, urinary, digestive, and reproductive organ systems. 36 hours lecture and 108 hours laboratory.

**33818** Last day to add: 02/23/18

WE 02/12/18 06/07/18 11:30AM 12:20PM T IT 101

WE2 02/12/18 06/07/18 11:30AM 12:35PM TH IT 101

WEL 02/12/18 06/07/18 08:00AM 11:10AM MW ST 207

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

**Instructor:** P Campo

### AMY-2B Anatomy and Physiology II 4 UNITS

Prerequisite: AMY-2A Description: Second of a two course sequence in anatomy and physiology that covers these systems: nervous, endocrine, cardiovascular, respiratory, urinary, digestive, and reproductive organ systems. 36 hours lecture and 108 hours laboratory.

**33821** Last day to add: 02/23/18

WE 02/12/18 06/07/18 01:30PM 02:20PM M ST 207

WE2 02/12/18 06/07/18 01:30PM 02:35PM W ST 207

WEL 02/12/18 06/07/18 02:45PM 05:55PM MW ST 207

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

**Instructor:** S Standen

## AMY-2B Anatomy and Physiology II

4 UNITS

Prerequisite: AMY-2A Description: Second of a two course sequence in anatomy and physiology that covers these systems: nervous, endocrine, cardiovascular, respiratory, urinary, digestive, and reproductive organ systems. 36 hours lecture and 108 hours laboratory.

**33819** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	05:05PM	M	ATEC 114
WE2	02/12/18	06/07/18	04:15PM	05:20PM	W	ATEC 114
WEL	02/12/18	06/07/18	12:45PM	03:55PM	MW	ST 211

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

**Instructor:** C Sternburg

## AMY-2B Anatomy and Physiology II

4 UNITS

Prerequisite: AMY-2A Description: Second of a two course sequence in anatomy and physiology that covers these systems: nervous, endocrine, cardiovascular, respiratory, urinary, digestive, and reproductive organ systems. 36 hours lecture and 108 hours laboratory.

**33820** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	05:05PM	M	ATEC 114
WE2	02/12/18	06/07/18	04:15PM	05:20PM	W	ATEC 114
WEL	02/12/18	06/07/18	06:00PM	09:10PM	MW	ST 211

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

**Instructor:** C Sternburg

## AMY-10 Survey of Human Anatomy and Physiology

3 UNITS

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

**33814** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	05:40PM	MW	IT 101
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** G Johansen

## ANTHROPOLOGY

### ANT-1 Physical Anthropology

3 UNITS

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.

**33827** Last day to add: 02/23/18

OL	02/12/18	06/07/18				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:** A Gray

### ANT-1 Physical Anthropology

3 UNITS

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.

**33826** Last day to add: 02/23/18

WE	02/12/18	06/07/18	09:40AM	11:05AM	TTH	HUM 111
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Buchanan

### ANT-1 Physical Anthropology

3 UNITS

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.

**33824** Last day to add: 02/23/18

HYB	02/12/18	06/07/18	12:45PM	02:10PM	M	HUM 111
HYBO	02/12/18	06/07/18				ON LINE

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

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

**Instructor:** A Gray

### ANT-1 Physical Anthropology

3 UNITS

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.

**33823** Last day to add: 02/23/18

HYB	02/12/18	06/07/18	12:45PM	02:10PM	W	HUM 111
HYBO	02/12/18	06/07/18				ON LINE

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

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

**Instructor:** A Gray

### ANT-1 Physical Anthropology

3 UNITS

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.

**33822** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:00PM	03:25PM	TTH	HUM 111
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Buchanan

## ANT-1 Physical Anthropology

3 UNITS

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.

**33825** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM T HUM 111

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

**Instructor:** A Mejia

## ANT-1L Physical Anthropology Laboratory

1 UNIT

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.

**34546** Last day to add: 02/23/18

WEL 02/12/18 06/07/18 06:00PM 09:10PM W HUM 111

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

**Instructor:** O Lancaster

## ANT-2 Cultural Anthropology

3 UNITS

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.

**33833** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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

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.

**33832** Last day to add: 03/06/18

WE 02/23/18 06/01/18 07:00AM 11:05AM F HUM 111

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

**Instructor:** Staff

## ANT-2 Cultural Anthropology

3 UNITS

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.

**33830** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:45AM 10:10AM MW HUM 111

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

**Instructor:** P Roberts

## ANT-2 Cultural Anthropology

3 UNITS

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.

**33831** Last day to add: 02/23/18

WE 02/12/18 06/07/18 11:15AM 12:40PM TTH HUM 111

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

**Instructor:** A Gray

## ANT-2 Cultural Anthropology

3 UNITS

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.

**34547** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:30PM 03:55PM MW HUM 111

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

**Instructor:** C Buchanan

## ANT-2 Cultural Anthropology

3 UNITS

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.

**33829** Last day to add: 02/26/18

WE 02/15/18 05/31/18 06:00PM 09:20PM TH HUM 111

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

**Instructor:** A Mejia

## ANT-3 Prehistoric Cultures

3 UNITS

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.

**33834** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 05:40PM 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

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.

**33835** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 11:55AM MW HUM 111

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

**Instructor:** C Buchanan

## ARCHITECTURE

### ARE-25 **Advanced Architectural Drafting** 3 UNITS

Prerequisite: ARE-24 Description: This course is designed for advanced study of architectural detailing and construction methods, including the preparation of working drawings. Other topics include the development of construction documents, study of the Uniform Building Code, and practice from site selection to completion. A completed portfolio is a requirement of the course. 27 hours lecture and 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**33836** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:20PM	07:45PM	T	ATEC 109
WEL	02/12/18	06/07/18	07:50PM	09:55PM	T	ATEC 109
WEL2	02/12/18	06/07/18	06:20PM	09:30PM	TH	ATEC 109

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

**Instructor:** C Bohigian

### ARE-36 **History of Architecture: Renaissance to Modern** 3 UNITS

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.)

**34554** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:30PM	09:40PM	W	JFK 118
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**Instructor:** A Nindra

## ART

### ART-1 **History of Western Art: Prehistoric, Ancient, and Medieval** 3 UNITS

Advisory: ENG-1A Description: Survey of the history of Western art: painting, architecture, and sculpture, Prehistoric through the Medieval periods. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**33838** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:00PM	09:10PM	M	ATEC 119
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Goux

### ART-2 **History of Western Art: Renaissance through Contemporary** 3 UNITS

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.)

**33842** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:00PM	09:10PM	W	ATEC 119
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** C Goux

### ART-6 **Art Appreciation** 3 UNITS

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.)

**33852** Last day to add: 02/23/18

OL	02/12/18	06/07/18				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:** K Skiba

### ART-6 **Art Appreciation** 3 UNITS

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.)

**33855** Last day to add: 02/23/18

OL	02/12/18	06/07/18				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:** K Skiba

### ART-6 **Art Appreciation** 3 UNITS

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.)

**33854** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:00AM	09:25AM	TTH	WEQ W6
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** B May

### ART-6 **Art Appreciation** 3 UNITS

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.)

**33853** Last day to add: 03/06/18

WE	02/23/18	06/01/18	10:30AM	02:35PM	F	ATEC 114
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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-10 Modern and Contemporary Art History 3 UNITS

Description: A survey of the development and history of modern art with emphasis on its major movements, leading artists, and contemporary trends. Painting, sculpture, and architecture will be discussed in terms of their historical, social, and political context. Beginning with mid-19th century movements (Realism and Impressionism), the study will continue through the current trends and new media of the day. 54 hours lecture. (Letter Grade, or Pass/No Pass option.)

**34589** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 09:25AM TTH WEQW5

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

**Instructor:** K Frost

## ART-17 Beginning Drawing 3 UNITS

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.)

**33839** Last day to add: 02/23/18

WE 02/12/18 06/07/18 07:45AM 08:35AM M ATEC 209

WE2 02/12/18 06/07/18 07:45AM 08:50AM W ATEC 209

WEL 02/12/18 06/07/18 08:45AM 11:00AM M ATEC 209

WEL2 02/12/18 06/07/18 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

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.)

**34611** Last day to add: 03/06/18

WE 02/23/18 06/01/18 08:00AM 10:30AM F ATEC 209

WEL 02/23/18 06/01/18 10:40AM 03:55PM 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:** C Glaze

## ART-17 Beginning Drawing 3 UNITS

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.)

**33840** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 02:50PM T ATEC 209

WE2 02/12/18 06/07/18 02:00PM 03:05PM TH ATEC 209

WEL 02/12/18 06/07/18 03:00PM 05:15PM T ATEC 209

WEL2 02/12/18 06/07/18 03:25PM 05:15PM TH 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.)

**33841** Last day to add: 02/23/18

WE 02/12/18 06/07/18 11:10AM 12:00PM M ATEC 209

WE2 02/12/18 06/07/18 11:10AM 12:15PM W ATEC 209

WEL 02/12/18 06/07/18 12:10PM 02:25PM M ATEC 209

WEL2 02/12/18 06/07/18 12:35PM 02:25PM W ATEC 209

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

**Instructor:** M Lindeman

## ART-22 Basic Design 3 UNITS

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.)

**33843** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:35PM 03:25PM M ATEC 209

WE2 02/12/18 06/07/18 02:35PM 03:40PM W ATEC 209

WEL 02/12/18 06/07/18 03:35PM 05:50PM M ATEC 209

WEL2 02/12/18 06/07/18 04:00PM 05:50PM W 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.)

**33844** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 06:50PM M ATEC 209

WE2 02/12/18 06/07/18 06:00PM 07:05PM W ATEC 209

WEL 02/12/18 06/07/18 07:00PM 09:15PM M ATEC 209

WEL2 02/12/18 06/07/18 07:25PM 09:15PM W ATEC 209

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

**Instructor:** J Bell

## ART-24 Three Dimensional Design 3 UNITS

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)

**33845** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 06:50PM T ATEC 209

WE2 02/12/18 06/07/18 06:00PM 07:05PM TH ATEC 209

WEL 02/12/18 06/07/18 07:00PM 09:15PM T ATEC 209

WEL2 02/12/18 06/07/18 07:25PM 09:15PM TH ATEC 209

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

**Instructor:** D Campuzano

## ART-26 Beginning Painting

3 UNITS

Prerequisite: ART-17 Description: An introduction to the fundamentals of painting (oil or acrylic). An exploration of various considerations in painting; techniques, process, color theory, visual perception, composition, and creative skills. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**33846** Last day to add: 02/23/18

WE	02/12/18	06/07/18	09:35AM	10:25AM	T	ATEC 209
WE2	02/12/18	06/07/18	09:35AM	10:40AM	TH	ATEC 209
WEL	02/12/18	06/07/18	10:35AM	12:50PM	T	ATEC 209
WEL2	02/12/18	06/07/18	11:00AM	12:50PM	TH	ATEC 209

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

**Instructor:** Q Bemiller

## 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.)

**33847** Last day to add: 02/23/18

WE	02/12/18	06/07/18	09:35AM	10:25AM	T	ATEC 209
WE2	02/12/18	06/07/18	09:35AM	10:40AM	TH	ATEC 209
WEL	02/12/18	06/07/18	10:35AM	12:50PM	T	ATEC 209
WEL2	02/12/18	06/07/18	11:00AM	12:50PM	TH	ATEC 209

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

**Instructor:** Q Bemiller

## 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)

**33848** Last day to add: 02/23/18

WE	02/12/18	06/07/18	09:35AM	10:25AM	T	ATEC 209
WE2	02/12/18	06/07/18	09:35AM	10:40AM	TH	ATEC 209
WEL	02/12/18	06/07/18	10:35AM	12:50PM	T	ATEC 209
WEL2	02/12/18	06/07/18	11:00AM	12:50PM	TH	ATEC 209

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

**Instructor:** Q Bemiller

## ART-48A Studio Drawing-Portfolio Preparation

3 UNITS

Prerequisite: ART-18 Description: Continued studio drawing for the self-motivated student with emphasis on planning, independence, individualized problems, and portfolio organization and preparation. Specific agreement identifying intent, ideas, goals, and media, to be arranged between instructor and student. Students pay for their own materials. 36 hours lecture and 72 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**33850** Last day to add: 02/23/18

WE	02/12/18	06/07/18	11:10AM	12:00PM	M	ATEC 209
WE2	02/12/18	06/07/18	11:10AM	12:15PM	W	ATEC 209
WEL	02/12/18	06/07/18	12:10PM	02:25PM	M	ATEC 209
WEL2	02/12/18	06/07/18	12:35PM	02:25PM	W	ATEC 209

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

**Instructor:** M Lindeman

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

## BIOLOGY

### BIO-1 General Biology

4 UNITS

Description: This course is an introductory course designed for non-science majors, which 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.

**33856** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:00AM	09:25AM	TTH	IT 101
WEL	02/12/18	06/07/18	09:40AM	12:50PM	T	IT 128

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

**Instructor:** I McGuire

### BIO-1 General Biology

4 UNITS

Description: This course is an introductory course designed for non-science majors, which 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.

**33859** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:00AM	09:25AM	TTH	IT 101
WEL	02/12/18	06/07/18	09:40AM	12:50PM	TH	IT 128

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

**Instructor:** I McGuire

### BIO-1 General Biology

4 UNITS

Description: This course is an introductory course designed for non-science majors, which 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.

**33858** Last day to add: 02/23/18

WE	02/12/18	06/07/18	11:15AM	12:40PM	TTH	STEM 201
WEL	02/12/18	06/07/18	02:00PM	05:10PM	T	IT 128

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

**Instructor:** C Wilson

### BIO-1 General Biology

4 UNITS

Description: This course is an introductory course designed for non-science majors, which 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.

**33861** Last day to add: 02/23/18

WE	02/12/18	06/07/18	11:15AM	12:40PM	TTH	STEM 201
WEL	02/12/18	06/07/18	02:00PM	05:10PM	TH	IT 128

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

**Instructor:** C Wilson

## BIO-1 General Biology

4 UNITS

Description: This course is an introductory course designed for non-science majors, which 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.

**33862** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:55PM	MW	THTR 101
WEL	02/12/18	06/07/18	08:45AM	11:55AM	F	IT 128

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

**Instructor:** F Almasarweh

## BIO-1 General Biology

4 UNITS

Description: This course is an introductory course designed for non-science majors, which 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.

**33863** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:55PM	MW	THTR 101
WEL	02/12/18	06/07/18	01:00PM	04:10PM	F	IT 128

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

**Instructor:** F Almasarweh

## BIO-1 General Biology

4 UNITS

Description: This course is an introductory course designed for non-science majors, which 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.

**33857** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:00PM	07:25PM	MW	STEM 201
WEL	02/12/18	06/07/18	06:00PM	09:10PM	T	IT 128

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

**Instructor:** J Drainville

## BIO-1 General Biology

4 UNITS

Description: This course is an introductory course designed for non-science majors, which 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.

**33860** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:00PM	07:25PM	MW	STEM 201
WEL	02/12/18	06/07/18	06:00PM	09:10PM	TH	IT 128

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

**Instructor:** J Drainville

## BIO-1H Honors General Biology

4 UNITS

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.

**33868** Last day to add: 02/23/18

WE	02/12/18	06/07/18	09:40AM	11:05AM	TTH	STEM 125
WEL	02/12/18	06/07/18	02:00PM	05:10PM	TH	ST 203

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

**Instructor:** M Gutierrez

## BIO-3 Field Botany

4 UNITS

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.

**33869** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:45AM	10:10AM	MW	IT 128
WEL	02/12/18	06/07/18	10:30AM	11:55AM	MW	IT 128

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

**Instructor:** T Friedrich Finfern

## BIO-10 Life Science Principles

3 UNITS

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.

**33864** Last day to add: 02/23/18

WE	02/12/18	06/07/18	01:30PM	02:55PM	MW	IT 110
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Wilson Santhoshkumar

## BIO-11 Introduction to Molecular and Cellular Biology 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, biological molecules, prokaryotic and eukaryotic cell structure and function, cell metabolism including photosynthesis and respiration, homeostasis, cell reproduction and its control, classical and molecular genetics, cellular communication, development, evolution and diversity of life at the cellular level. This course addresses the philosophy of science, methods of scientific inquiry and experimental design. 72 hours lecture and 54 hours laboratory.

**33865** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 12:35PM TTH ST 203

WEL 02/12/18 06/07/18 02:00PM 05:10PM T ST 203

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

**Instructor:** B Moore

## BIO-12 Introduction to Organismal and Population Biology 5 UNITS

Prerequisite: BIO-11 or BIO-11H 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.)

**33866** Last day to add: 02/23/18

WE 02/12/18 06/07/18 01:00PM 03:05PM MW IT 128

WEL 02/12/18 06/07/18 03:25PM 04:50PM MW IT 128

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

**Instructor:** T Friedrich Finner

## BIO-17 Human Biology 4 UNITS

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.

**33867** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:45PM 02:10PM TTH ST 207

WEL 02/12/18 06/07/18 02:30PM 03:55PM TTH ST 207

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

**Instructor:** J Drainville

## BIO-30 Human Reproduction and Sexual Behavior 3 UNITS

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.

**33870** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:45PM 02:10PM MW ATEC 114

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

**Instructor:** M Donovan

## BIO-34 Human Genetics 3 UNITS

Advisory: High school biology or any college life science course with laboratory. Description: A general education course for non-biology majors and allied health students who are interested in the underlying mechanisms of human heredity. Emphasis will be given to the role of genetics and environment on cells, individuals, family and human populations. Discussion on human genetic disorders and the social implications of modern human genetics will be included. 54 hours lecture.

**33871** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 09:25AM TTH STEM 201

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

**Instructor:** Staff

## BIO-36 Environmental Science 3 UNITS

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.

**33872** Last day to add: 02/23/18

WE 02/12/18 06/07/18 09:40AM 11:05AM TTH STEM 201

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

**Instructor:** T Friedrich Finner

## BUSINESS ADMINISTRATION

### BUS-10 Introduction to Business 3 UNITS

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.

**33877** Last day to add: 02/23/18

OL 02/12/18 06/07/18 ON LINE

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

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

**Instructor:** V Mixson

### BUS-10 Introduction to Business 3 UNITS

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.

**33878** Last day to add: 02/20/18

OL 02/12/18 04/08/18 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**  
 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.  
**33879 Last day to add: 04/24/18**  
 OL 04/16/18 06/07/18 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 Riker

**BUS-10 Introduction to Business 3 UNITS**  
 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.  
**33873 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 08:45AM 10:10AM 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**  
 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.  
**33874 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 11:10AM 12:35PM TTH ATEC 211  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** L White

**BUS-10 Introduction to Business 3 UNITS**  
 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.  
**33875 Last day to add: 02/18/18**  
 HYB 02/14/18 04/04/18 06:00PM 09:10PM W IT 123  
 HYBO 02/14/18 04/04/18 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:** T Johnson

**BUS-10 Introduction to Business 3 UNITS**  
 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.  
**33876 Last day to add: 04/22/18**  
 HYB 04/18/18 06/06/18 06:00PM 09:10PM W IT 123  
 HYBO 04/18/18 06/06/18 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 Johnson

**BUS-13 Developing a Successful Business Plan/Model 2 UNITS**  
 Description: This course provides a systematic process for developing a business plan or model. It establishes a clear road map for clarifying a vision for a business and the strategic, tactical, and operational plans and/or model to move ideas into action. Students further along in the planning and research process will work through the major components of writing a business plan and/or model and emerge with a completed draft of a business plan/model. 36 hours lecture.  
**33881 Last day to add: 02/26/18**  
 WE 02/15/18 05/31/18 06:30PM 08:40PM TH STEM 301  
 The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.  
**Instructor:** T Johnson

**BUS-14 Social Media and Online Marketing for Entrepreneurs 3 UNITS**  
 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.  
**34539 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 06:30PM 09:40PM T STEM 301  
**Instructor:** A Martin

**BUS-18A Business Law I 3 UNITS**  
 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.  
**33882 Last day to add: 02/23/18**  
 OL 02/12/18 06/07/18 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**  
 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.  
**33885 Last day to add: 04/24/18**  
 OL 04/16/18 06/07/18 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**  
 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.  
**33884 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 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

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.

**33883** Last day to add: 02/18/18

HYB 02/14/18 04/04/18 04:15PM 05:40PM W IT 109

HYBO 02/14/18 04/04/18 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

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.

**33886** Last day to add: 04/22/18

HYB 04/18/18 06/06/18 04:15PM 05:40PM W IT 109

HYBO 04/18/18 06/06/18 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

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.

**33889** Last day to add: 02/20/18

OL 02/12/18 04/08/18 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-20 Business Mathematics

3 UNITS

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.

**33890** Last day to add: 03/04/18

OL 04/16/18 06/07/18 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-20 Business Mathematics

3 UNITS

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.

**34624** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 03:00PM 04:25PM MW ERHS B106

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

**Instructor:** J Holmes

## BUS-20 Business Mathematics

3 UNITS

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.

**33888** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 05:40PM TTH ATEC 204

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

**Instructor:** E Doucette

## BUS-20 Business Mathematics

3 UNITS

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.

**33887** Last day to add: 02/23/18

HYB 02/12/18 06/07/18 06:00PM 07:25PM TH IT 123

HYBO 02/12/18 06/07/18 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:** R Beck

## BUS-22 Management Communications

3 UNITS

Advisory: CAT-30 Description: Examines the dynamics of organizational communication including a cross cultural emphasis. Practical experience is attained in verbal, non-verbal and interpersonal communication. Includes business report writing, letter writing and resume writing. 54 hours lecture.

**33892** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:45AM 10:10AM MW IT 208

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

**Instructor:** V Mixson

## 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.

**33893** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM M IT 211

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

**Instructor:** E Doucette

## BUS-47 Applied Business and Management Ethics 3 UNITS

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)

**33894** Last day to add: 02/23/18

OL 04/16/18 06/07/18 ON LINE

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

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

**Instructor:** R Beck

## BUS-47 Applied Business and Management Ethics 3 UNITS

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)

**34625** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:45AM 10:10AM MW IT 210

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

**Instructor:** M Snow

## BUS-80 Principles of Logistics 3 UNITS

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.

**33895** Last day to add: 02/20/18

OL 02/12/18 04/08/18 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

3 UNITS

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.

**33896** Last day to add: 04/24/18

OL 04/16/18 06/07/18 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

3 UNITS

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.)

**33897** Last day to add: 02/23/18

HYB 02/12/18 06/07/18 06:30PM 07:55PM T IT 111

HYBO 02/12/18 06/07/18 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

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.)

**33898** Last day to add: 04/24/18

OL 04/16/18 06/07/18 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

3 UNITS

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.)

**33899** Last day to add: 02/20/18

OL 02/12/18 04/08/18 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

Course is designed to coordinate the student's occupational on-the-job training with related classroom instruction.

PREREQUISITE: None.

ADVISORY: Students should have paid or voluntary employment.

**34699** Last day to add: 02/23/18

WRK 02/12/18 06/07/18 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

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.)

**34592** Last day to add: 02/28/18

WE 02/24/18 04/07/18 08:00AM 10:20AM S IT 110

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

Instructor: C McConnell-Freeman

### CAT-31 Business Communications

3 UNITS

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.)

**33900** Last day to add: 04/25/18

WE 04/21/18 06/02/18 08:00AM 03:25PM S IT 110

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

Instructor: C McConnell-Freeman

### CAT-90 Microsoft Outlook

3 UNITS

Description: This course utilizes Microsoft Outlook to organize and plan personal and business information. Emphasis is placed on the use of Outlook for communication and sharing information with persons within a company or small business. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.)

**34593** Last day to add: 02/27/18

WE 02/23/18 04/06/18 08:00AM 04:50PM F IT 127

WEL 02/23/18 04/06/18 05:00PM 07:50PM F IT 127

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: G Reotutar

### CAT-98A Introduction to Excel

1.50 UNITS

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.)

**33902** Last day to add: 02/20/18

OL 02/12/18 04/08/18 ON LINE

OLL 02/12/18 04/08/18 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

### CAT-98A Introduction to Excel

1.50 UNITS

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.)

**33901** Last day to add: 04/24/18

WE 04/20/18 06/01/18 08:00AM 11:35AM F CACT 2

WEL 04/20/18 06/01/18 11:45AM 02:05PM F CACT 2

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: D Friedman

### 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.)

**33903** Last day to add: 04/24/18

OL 04/16/18 06/07/18 ON LINE

OLL 04/16/18 06/07/18 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: W Manges

## 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.)

**33908** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:45AM 10:10AM MW HUM 204

WEL 02/12/18 06/07/18 01:00PM 04:10PM MW HUM 208

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

Instructor: S Tyler



## 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.)

**33909** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:55PM	MW	IT 117
WEL	02/12/18	06/07/18	08:45AM	11:55AM	MW	HUM 208

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

**Instructor:** S Tyler

## 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.)

**33910** Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:30AM	11:55AM	MW	HUM 204
WEL	02/12/18	06/07/18	08:45AM	11:55AM	TTH	HUM 208

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

**Instructor:** J Tyler

## 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.)

**34559** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	05:40PM	TTH	ATEC 114
WEL	02/12/18	06/07/18	06:30PM	09:40PM	TTH	HUM 208

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.)

**33915** Last day to add: 02/23/18

WE	02/12/18	06/07/18	11:15AM	12:40PM	TTH	THTR 101
WEL	02/12/18	06/07/18	02:00PM	05:10PM	T	HUM 204

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

**Instructor:** A Duggal

## CHE-2A Introductory Chemistry, I

4 UNITS

Prerequisite: MAT-52 Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**33916** Last day to add: 02/23/18

WE	02/12/18	06/07/18	11:15AM	12:40PM	TTH	THTR 101
WEL	02/12/18	06/07/18	02:00PM	05:10PM	TH	HUM 204

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

**Instructor:** A Duggal

## CHE-2A Introductory Chemistry, I

4 UNITS

Prerequisite: MAT-52 Description: Introduction to the nature of chemicals, their properties, chemical bonding, reactions, and mixtures. Applications to health and environmental topics. Fulfills the needs of non-science majors. 54 hours lecture and 54 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**33913** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:55PM	MW	ATEC 114
WEL	02/12/18	06/07/18	08:45AM	11:55AM	F	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.)

**33914** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:55PM	MW	ATEC 114
WEL	02/12/18	06/07/18	01:00PM	04:10PM	F	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.)

**33911** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:55PM	TTH	IT 117
WEL	02/12/18	06/07/18	09:30AM	12:40PM	T	HUM 204

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

**Instructor:** A Efron

## 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.)

**33912** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:55PM	TTH	IT 117
WEL	02/12/18	06/07/18	09:30AM	12:40PM	TH	HUM 204

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

**Instructor:** A Efron

## 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.)

**34696** Last day to add: 02/23/18

WE	02/12/18	06/07/18	07:35PM	09:00PM	MW	IT 101
WEL	02/12/18	06/07/18	06:00PM	09:10PM	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.)

**34697** Last day to add: 02/23/18

WE	02/12/18	06/07/18	07:35PM	09:00PM	MW	IT 101
WEL	02/12/18	06/07/18	06:00PM	09:10PM	F	HUM 204

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

**Instructor:** Staff

## CHE-10 Chemistry for Everyone

3 UNITS

Lecture-demonstration course geared to non-science majors--air, water, drugs, genetics, nuclear aspects, etc. No laboratory.

PREREQUISITE: None.

**33904** Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:30AM	11:55AM	MW	IT 101
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** S Tyler

## 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.)

**33905** Last day to add: 02/23/18

WE	02/12/18	06/07/18	09:40AM	11:05AM	TTH	STEM 301
WEL	02/12/18	06/07/18	02:00PM	05:10PM	TTH	HUM 208

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

**Instructor:** V Lee

## CHE-12B Organic Chemistry, II

5 UNITS

Prerequisite: CHE-12A Description: Continues discussion based on the content of CHE-12A. Develops a detailed study of nucleophilic and elimination reactions from a mechanistic viewpoint. Aliphatic and aromatic chemistry will be fully integrated throughout CHE-12B. Considerable emphasis on synthesis. Laboratory includes techniques of syntheses, separation, and identification of several compounds, and an introduction to qualitative organic analysis. 54 hours lecture and 108 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**33906** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:55PM	TTH	STEM 125
WEL	02/12/18	06/07/18	08:45AM	11:55AM	F	HUM 208
WEL2	02/12/18	06/07/18	01:00PM	04:10PM	F	HUM 208

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

**Instructor:** S Tyler

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

## COMPUTER INFORMATION SYSTEMS

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

3 UNITS

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.

PREREQUISITE: None.

**33927**

Last day to add: 02/23/18

OL	02/12/18	06/07/18	ON LINE
OLL	02/12/18	06/07/18	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

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.

PREREQUISITE: None.

**33929**

Last day to add: 02/23/18

OL	02/12/18	06/07/18	ON LINE
OLL	02/12/18	06/07/18	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

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.

PREREQUISITE: None.

**33931**

Last day to add: 02/23/18

OL	02/12/18	06/07/18	ON LINE
OLL	02/12/18	06/07/18	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

# NORCO COLLEGE

## CIS-1A Intro to Comp Info Sys

3 UNITS

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.

PREREQUISITE: None.

33932

Last day to add: 02/23/18

OL	02/12/18	06/07/18				ON LINE
OLL	02/12/18	06/07/18				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

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.

PREREQUISITE: None.

33925

Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:00AM	09:25AM	TTH	ATEC 118
WEL	02/12/18	06/07/18	09:40AM	10:30AM	T	ATEC 118

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

Instructor: C Brotherton

## CIS-1A Intro to Comp Info Sys

3 UNITS

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.

PREREQUISITE: None.

33935

Last day to add: 02/23/18

HYB	02/12/18	06/07/18	08:00AM	09:35AM	S	IT 125
HYBO	02/12/18	06/07/18				ON LINE
HYBL	02/12/18	06/07/18	09:45AM	10:50AM	S	IT 125

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

See [www.opencampus.com](http://www.opencampus.com). Designated laboratory hours are included in the meeting times for this class.

Instructor: B Fuller

## CIS-1A Intro to Comp Info Sys

3 UNITS

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.

PREREQUISITE: None.

33930

Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:30AM	11:55AM	MW	IT 127
WEL	02/12/18	06/07/18	12:00PM	12:50PM	MW	IT 127

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

Instructor: J Perry

## CIS-1A Intro to Comp Info Sys

3 UNITS

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.

PREREQUISITE: None.

33934

Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:30AM	12:35PM	M	IT 125
WE2	02/12/18	06/07/18	10:30AM	11:20AM	W	IT 125
WEL	02/12/18	06/07/18	11:30AM	12:35PM	W	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-1A Intro to Comp Info Sys

3 UNITS

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.

PREREQUISITE: None.

33933

Last day to add: 03/06/18

WE	02/23/18	06/01/18	10:30AM	02:35PM	F	ATEC 118
WEL	02/23/18	06/01/18	02:45PM	03:55PM	F	LIBR LRC

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: B Fuller

## CIS-1A Intro to Comp Info Sys

3 UNITS

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.

PREREQUISITE: None.

33926

Last day to add: 02/23/18

WE	02/12/18	06/07/18	01:10PM	03:15PM	M	ATEC 118
WE2	02/12/18	06/07/18	01:10PM	02:15PM	W	ATEC 118
WEL	02/12/18	06/07/18	02:20PM	03:25PM	W	ATEC 118

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

Instructor: J Coverdale

## CIS-1A Intro to Comp Info Sys

3 UNITS

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.

PREREQUISITE: None.

33928

Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:35PM	06:40PM	T	ATEC 118
WE2	02/12/18	06/07/18	05:35PM	06:40PM	TH	ATEC 118
WEL	02/12/18	06/07/18	05:35PM	06:40PM	TH	ATEC 118

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

Instructor: J Coverdale

## CIS-2 Fundamentals of Systems Analysis 3 UNITS

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.)

<b>33936</b>					<b>Last day to add: 02/23/18</b>
OL	02/12/18	06/07/18			ON LINE
OLL	02/12/18	06/07/18			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:** W Ibekwe

## CIS-5 Programming Concepts and Methodology I:C++ 4 UNITS

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.

<b>33940</b>					<b>Last day to add: 02/23/18</b>
OL	02/12/18	06/07/18			ON LINE
OLL	02/12/18	06/07/18			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

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.

<b>33939</b>					<b>Last day to add: 02/23/18</b>
WE	02/12/18	06/07/18	08:00AM	09:25AM	TTH IT 202
WEL	02/12/18	06/07/18	09:35AM	11:00AM	TTH IT 202

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 Perry

## CIS-11 Computer Architecture and Organization: Assembly 3 UNITS

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)

<b>34595</b>						<b>Last day to add: 02/23/18</b>
WE	02/12/18	06/07/18	10:15AM	12:20PM	M	ATEC 118
WE2	02/12/18	06/07/18	10:15AM	11:05AM	W	ATEC 118
WEL	02/12/18	06/07/18	11:15AM	12:20PM	W	ATEC 118

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

**Instructor:** J Wilson

## CIS-14A Web Programming: JavaScript 3 UNITS

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.)

<b>34597</b>						<b>Last day to add: 02/23/18</b>
WE	02/12/18	06/07/18	06:00PM	07:25PM	M	CACT 2
WE2	02/12/18	06/07/18	07:35PM	08:25PM	M	CACT 2
WEL	02/12/18	06/07/18	07:00PM	08:25PM	W	CACT 2

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

**Instructor:** W Ibekwe

## 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)

<b>33920</b>						<b>Last day to add: 02/23/18</b>
WE	02/12/18	06/07/18	08:00AM	10:05AM	M	ATEC 118
WE2	02/12/18	06/07/18	08:00AM	08:50AM	W	ATEC 118
WEL	02/12/18	06/07/18	09:00AM	10:05AM	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:** 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) **33919** Last day to add: 02/23/18

WE	02/12/18	06/07/18	05:30PM	08:40PM	M	ATEC 118
WEL	02/12/18	06/07/18	08:50PM	09:40PM	M	ATEC 118

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

**Instructor:** A Rainey

## CIS-17B C++ Programming: Advanced Objects 3 UNITS

Advisory: CIS/CSC-17A Description: This is an advanced C++ programming course for students familiar with object-oriented programming and utilization of basic graphical interface techniques. An emphasis will be placed on advanced concepts associated with complex business and gaming applications that utilize exception handling, multithreading, multimedia, and database connectivity. 54 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.) **33921** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:00PM	03:25PM	TTH	IT 125
WEL	02/12/18	06/07/18	03:35PM	04:25PM	TH	LIBR LRC

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

## CIS-17C C++ Programming: Data Structures 3 UNITS

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.) **33922** Last day to add: 02/23/18

WE	02/12/18	06/07/18	03:55PM	05:20PM	MW	ATEC 118
WEL	02/12/18	06/07/18	02:50PM	03:40PM	W	LIBR LRC

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-18B Java Programming: Advanced Objects 3 UNITS

Advisory: CIS/CSC-18A Description: This is an advanced Java programming course for students familiar with object-oriented programming and utilization of basic graphical interface techniques. An emphasis will be placed on advanced concepts associated with Business, E-Commerce and Gaming applications that utilize exception handling, multithreading, multimedia, and database connectivity. 54 hours lecture and 18 hours laboratory. (TBA option) (Letter Grade, or Pass/No Pass option.) **33924** Last day to add: 02/23/18

OL	02/12/18	06/07/18	ON LINE
OLL	02/12/18	06/07/18	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

## 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.) **33937** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:50PM	08:15PM	TTH	ATEC 118
WEL	02/12/18	06/07/18	08:25PM	09:15PM	TH	ATEC 118

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

**Instructor:** J Oconnor

## CIS-44 Portfolio Production 2 UNITS

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. **33938** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:30PM	07:20PM	T	IT 202
WEL	02/12/18	06/07/18	06:30PM	07:20PM	TH	IT 202
WEL2	02/12/18	06/07/18	07:30PM	08:35PM	TTH	IT 202

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

## 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.)

**34600** Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:40AM	12:45PM	T	ATEC 118
WE2	02/12/18	06/07/18	10:40AM	11:30AM	TH	ATEC 118
WEL	02/12/18	06/07/18	11:40AM	12:45PM	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:** C Brotherton

## CIS-98A **Introduction to Excel** 1.50 UNITS

An introduction to electronic spreadsheets using Excel. (Same as CAT-98A)

PREREQUISITE: None.

**33941** Last day to add: 02/20/18

OL	02/12/18	04/08/18				ON LINE
OLL	02/12/18	04/08/18				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

## CIS-98A **Introduction to Excel** 1.50 UNITS

An introduction to electronic spreadsheets using Excel. (Same as CAT-98A)

PREREQUISITE: None.

**33942** Last day to add: 04/24/18

WE	04/20/18	06/01/18	08:00AM	11:35AM	F	CACT 2
WEL	04/20/18	06/01/18	11:45AM	02:05PM	F	CACT 2

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:** D Friedman

## CIS-98B **Advanced Excel** 1.50 UNITS

Description: Advanced concepts of MS-Excel including managing large spreadsheets, creating and working with databases, creating and using templates, and macro creation. Spreadsheet manipulation

**33943** Last day to add: 04/24/18

OL	04/16/18	06/07/18				ON LINE
OLL	04/16/18	06/07/18				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:** W Manges

## COMMUNICATION STUDIES

### COM-1 **Public Speaking** 3 UNITS

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.)

**33948** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:00AM	09:25AM	TTH	IT 110
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** F Shibley

### COM-1 **Public Speaking** 3 UNITS

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.)

**33949** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	08:45AM	10:10AM	MW	IT 110
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Lewis

### COM-1 **Public Speaking** 3 UNITS

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.)

**33951** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	09:40AM	11:05AM	TTH	IT 108
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**Instructor:** M Lewis

## COM-1 Public Speaking

3 UNITS

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.)

**33944** Last day to add: 03/06/18

WE 02/23/18 06/01/18 10:00AM 02:05PM F IT 211

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

**Instructor:** A Razoook

## COM-1 Public Speaking

3 UNITS

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.)

**33950** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 11:55AM MW IT 108

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

**Instructor:** R Stinson

## COM-1 Public Speaking

3 UNITS

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.)

**33946** Last day to add: 02/23/18

WE 02/12/18 06/07/18 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

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.)

**33945** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:30PM 03:55PM TTH IT 210

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

**Instructor:** L Tat

## COM-1 Public Speaking

3 UNITS

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.)

**33952** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM M IT 110

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

**Instructor:** B Rihan

## COM-1 Public Speaking

3 UNITS

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.)

**33947** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:30PM 09:40PM W LIBR 110

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

**Instructor:** G Stinson

## COM-1 Public Speaking

3 UNITS

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.)

**33953** Last day to add: 02/26/18

WE 02/15/18 05/31/18 06:30PM 09:50PM TH LIBR 110

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

**Instructor:** N Aceves

## COM-3 Argumentation and Debate

3 UNITS

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.)

**33958** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 11:55AM MW HUM 102

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

**Instructor:** D Romo

## COM-3 Argumentation and Debate

3 UNITS

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.)

**33957** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:45PM 02:10PM MW IT 108

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

**Instructor:** D Romo

## COM-7 Oral Interpretation of Literature

3 UNITS

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.)

**33959** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 11:15AM 12:40PM TTH IT 109

**Instructor:** M Lewis

## COM-9 Interpersonal Communication

3 UNITS

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.)

**33961** Last day to add: 02/18/18

LEC 02/12/18 04/05/18 07:10AM 08:40AM MTWTH IT 210

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

**Instructor:** M Lewis

## COM-9 Interpersonal Communication

3 UNITS

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.)

**33971** Last day to add: 04/22/18

WE 04/16/18 06/07/18 07:10AM 08:40AM MTWTH IT 210

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

**Instructor:** M Lewis

## COM-9 Interpersonal Communication

3 UNITS

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.)

**33962** Last day to add: 03/07/18

WE 02/24/18 06/02/18 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:** B Rihan

## COM-9 Interpersonal Communication

3 UNITS

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.)

**33970** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 09:40AM 11:05AM TTH IT 210

**Instructor:** A Olaerts



## COM-9 Interpersonal Communication 3 UNITS

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.)

**33964** Last day to add: 02/23/18  
LEC 02/12/18 06/07/18 11:15AM 12:40PM TTH IT 210

Instructor: A Olaerts

## COM-9 Interpersonal Communication 3 UNITS

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.)

**33969** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 12:45PM 02:10PM MW IT 210

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

Instructor: R Stinson

## COM-9 Interpersonal Communication 3 UNITS

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.)

**33963** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 02:30PM 03:55PM MW IT 210

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

Instructor: R Stinson

## COM-9 Interpersonal Communication 3 UNITS

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.)

**33968** Last day to add: 02/23/18  
HYB 02/12/18 06/07/18 02:30PM 03:55PM T IT 211  
HYBO 02/12/18 06/07/18 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

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.)

**33960** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 04:15PM 05:40PM MW IT 211

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

Instructor: B Rihan

## COM-9 Interpersonal Communication 3 UNITS

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.)

**33965** Last day to add: 02/23/18  
HYB 02/12/18 06/07/18 04:15PM 05:40PM T IT 211  
HYBO 02/12/18 06/07/18 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

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.)

**33966** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 04:15PM 05:40PM TTH LIBR 110

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

Instructor: L Tat

## COM-9 Interpersonal Communication 3 UNITS

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.)

**33967** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 06:30PM 09:40PM T ST 108

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

Instructor: L Tat

## COM-12 Intercultural Communication 3 UNITS

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)

**33954** Last day to add: 02/20/18

OL 02/12/18 04/08/18 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

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.)

**33955** Last day to add: 02/23/18

WE 02/12/18 06/07/18 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

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)

**33956** Last day to add: 04/24/18

OL 04/16/18 06/07/18 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-62 Blueprint Reading 3 UNITS

Overview of the basic concepts of reading construction blueprints.

PREREQUISITE: None.

**33974** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 04:15PM 05:40PM TTH IT 123

Instructor: J Thomas

### CON-62 Blueprint Reading 3 UNITS

Overview of the basic concepts of reading construction blueprints.

PREREQUISITE: None.

**33973** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 09:10PM M IT 122

Instructor: R Skaggs

### CON-63A Uniform Bldg Code/Ordin 3 UNITS

Use of uniform building code in plan checking for compliance.

PREREQUISITE: None.

**33975** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 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.

**33976** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 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 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.

**33977** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 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 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.

**33978** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:30PM 09:40PM W IT 122

Instructor: J Thomas

## CON-64 Office/Field Inspect 3 UNITS

Building and safety office management and inspections for compliance.

PREREQUISITE: None.

**33979** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:30PM 09:40PM T IT 123

Instructor: P Link

## CON-66 National Electrical Code 3 UNITS

Description: Review of electrical codes including discussion and analysis of the application of physical laws in development of the code requirements. 54 hours lecture.

**34555** Last day to add: 05/01/18

WE 04/30/18 05/30/18 10:15AM 04:05PM MW ATEC 119

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

Instructor: M Dowlatabadi

## CON-67 Mechanical Code 3 UNITS

Review of mechanical codes and regulations in construction.

PREREQUISITE: None.

**33980** Last day to add: 02/26/18

LEC 02/15/18 05/31/18 06:30PM 09:50PM TH IT 122

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

Instructor: J Thomas

## CON-71 Energy Conservation Standards 1.50 UNITS

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.

**33981** Last day to add: 02/16/18

LEC 02/12/18 04/02/18 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

## CON-72 Calif State Accessibility 1.50 UNITS

Examines the provisions of Title 24 accessibility standards of the California Uniform Building Code.

PREREQUISITE: None.

**33982** Last day to add: 04/20/18

LEC 04/16/18 06/04/18 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

## CON-73 Project Planning for Site Construction 3 UNITS

Description: Organization, procedures and necessary paperwork pertinent to the planning and construction of site improvements. Site analysis by evaluating the needs of the property as well as the needs of those using the property and the design correlations with scope, specifications and control of local, state, and federal agencies. 54 hours lecture.

**33983** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:30PM 09:40PM T IT 122

Instructor: J Thomas

## DANCE

### DAN-6 Dance Appreciation 3 UNITS

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.)

**33984** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 09:10PM M IT 117

Instructor: E Goe

## EARLY CHILDHOOD EDUCATION

### EAR-20 Child Growth and Development 3 UNITS

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.

**34516** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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

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.

**33987** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 09:30AM 12:40PM TH IT 209

Instructor: M Adams

## EAR-20 Child Growth and Development 3 UNITS

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.

**33986** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:30PM 03:55PM MW IT 209

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

Instructor: S Burnett

## EAR-20 Child Growth and Development 3 UNITS

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.

**34519** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 09:10PM W IT 209

Instructor: A Calloway

## EAR-24 Introduction to Curriculum 3 UNITS

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.

**33988** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM T IT 209

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

Instructor: L Vazquez

## EAR-26 Health, Safety and Nutrition 3 UNITS

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

PREREQUISITE: None.

**33990** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 10:30AM 01:40PM M IT 209

Instructor: M Adams

## EAR-28 Principles and Practices of Teaching Young Children 3 UNITS

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.

**33991** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 05:10PM T IT 209

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

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.

**33992** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 04:05PM TH IT 209

WEL 02/12/18 06/07/18 08:30AM 12:40PM 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.

**33993** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 04:05PM TH IT 209

WEL 02/12/18 06/07/18 08:30AM 12:40PM 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-34 Infant and Toddler Care and Education 3 UNITS

Description: Applies current theory and research to the care and education of infants and toddlers in group settings. Examines essential policies, principles and practices that lead to quality care and developmentally appropriate curriculum for children birth to 36 months. 54 hours lecture.

**33994** Last day to add: 02/23/18

HYB 02/12/18 06/07/18 06:00PM 09:10PM M IT 209

HYBO 02/12/18 06/07/18 ON LINE

The above section is a hybrid class that meets on Mondays beginning 2/12. Computer with Internet access required. See [www.opencampus.com](http://www.opencampus.com). The meeting dates for the section are: 2/12, 2/26, 3/12, 3/26, 4/16, 4/30, 5/14, 6/4.

**Instructor:** L Vazquez

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

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.

PREREQUISITE: None.

**33995** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 09:30AM 12:40PM T IT 209

**Instructor:** M Adams

## EAR-45 Administration II: Personnel and Leadership in Early Childhood Education 3 UNITS

Prerequisite: EAR-20 and EAR-24 and EAR-28 and EAR-42 Description: Effective strategies for personnel management and leadership in early care and education settings. Includes legal and ethical responsibilities, supervision techniques, professional development, and reflective practices for a diverse and inclusive early care and education program. 54 hours lecture.

**34629** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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

## EAR-46 Curriculum and Strategies for Children with Special Needs 3 UNITS

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.

**33996** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 10:30AM 01:40PM W IT 209

**Instructor:** M Adams

## EAR-47 Childhood Stress and Trauma 3 UNITS

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.

**34518** Last day to add: 02/26/18

LEC 02/15/18 05/31/18 06:00PM 09:20PM TH IT 209

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

**Instructor:** M Adams

## EAR-200 Early Childhood Work Exp

1 UNIT

Course is designed to coordinate the student's occupational on-the-job training with related classroom instruction.

PREREQUISITE: None.

ADVISORY: Students should have paid or voluntary employment.

**34695** Last day to add: 02/23/18

WRKO 02/12/18 06/07/18 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: Staff

## ECONOMICS

### ECO-4 Intro Economics

3 UNITS

An entry-level, general education course which introduces and surveys basic macroeconomic and microeconomic principles.

PREREQUISITE: None.

**33998** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 08:00AM 09:25AM TTH ATEC 111

Instructor: C Rajakone

### ECO-4 Intro Economics

3 UNITS

An entry-level, general education course which introduces and surveys basic macroeconomic and microeconomic principles.

PREREQUISITE: None.

**33997** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 10:30AM 11:55AM MW IT 109

Instructor: C Rajakone

### ECO-7 Principles of Macroeconomics

3 UNITS

Prerequisite: MAT-52 Advisory: MAT-35 and qualification for ENG-1A Description: Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes aggregative economics dealing with the macroeconomic concepts of national income and expenditure, aggregate supply and demand, fiscal policy, monetary policy, and economic stabilization and growth. Students may not receive credit for both ECO-7 and ECO-7H. 54 hours lecture.

**34000** Last day to add: 02/23/18

WE 02/12/18 06/07/18 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.

**33999** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM W IT 109

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

Instructor: P Boelman

### ECO-7H Honors Principles of Macroeconomics

3 UNITS

Prerequisite: MAT-52 Advisory: MAT-35 and Qualification for ENG-1A Limitation on enrollment: Enrollment in the Honors Program Description: Economic theory and analysis as applied to the U.S. economy as a whole. Emphasizes the enhanced exploration of 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. This honors course offers an enriched 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 ECO-7 and ECO-7H. 54 hours lecture.

**34534** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:30PM 03:55PM MW HUM 103

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.

**34003** Last day to add: 02/23/18

WE 02/12/18 06/07/18 11:15AM 12:40PM TTH IT 117

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.

**34002** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:45PM 02:10PM MW IT 117

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

Instructor: P Boelman

## ELECTRONICS

### ELE-10 Survey Electronics

4 UNITS

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.

**34004** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:25PM TTH STEM 302

LAB 02/12/18 06/07/18 07:30PM 09:00PM TTH STEM 302

Instructor: S Chng

## ELE-11 DC Electronics

4 UNITS

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

PREREQUISITE: None.

34006

Last day to add: 02/19/18

WE 02/13/18 04/06/18 10:00AM 12:35PM TTH ATEC 119

WEL 02/13/18 04/06/18 02:00PM 03:25PM TTH ATEC 119

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

Instructor: G Graham

## ELE-25 Digital Techniques

4 UNITS

Prerequisite: ELE-10 Corequisite: ELE-23 Description: Mathematics, number systems and logic circuits as they relate to modern electronic computers and digital systems. Boolean algebra, circuit simplifications and mapping are included. Basic gate and digital circuits (MSI-LSI) will be analyzed and integrated into complete systems. Digital counters, registers, encoders/decoders, converters and timing. 54 hours lecture and 54 hours laboratory.

34007

Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:25PM MW STEM 302

LAB 02/12/18 06/07/18 07:30PM 09:00PM MW STEM 302

Instructor: G Graham

## ELE-27 Technical Communications

3 UNITS

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.

34008

Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 09:25AM TTH IT 124

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

Instructor: G Balteria

## ELE-28 MultiSim CAD and PCB Design/Fab

3 UNITS

Description: This course covers MultiSim schematic capture, simulation, export to UltiBoard and UltiRoute. Basic Computer Aided Design (CAD)-Drafting, block diagrams, printed circuit board design-layout. The use of Computer Aided Design tools and electronics-library component-templates will be emphasized. PCB design and fabrication with through-hole and SMT/SMD devices. 36 hours lecture and 54 hours laboratory.

34566

Last day to add: 02/26/18

LEC 02/15/18 05/31/18 04:20PM 06:30PM TH IT 124

LAB 02/15/18 05/31/18 06:40PM 10:00PM TH IT 124

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

Instructor: G Graham

## ELE-64 Programmable Logic Controllers

3 UNITS

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.)

34029

Last day to add: 02/18/18

LEC 02/12/18 04/06/18 09:35AM 10:55AM MWF IT 124

LAB 02/12/18 04/06/18 11:05AM 01:15PM MWF IT 124

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

Instructor: P Van Hulle

## ELE-71 Residential Electrical Wiring

4 UNITS

The foundations of electrical wiring for residential dwellings.

PREREQUISITE: None.

34030

Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 07:25PM TTH ATEC 119

WEL 02/12/18 06/07/18 07:30PM 09:00PM TTH ATEC 119

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

Instructor: C Keissieh

## ELE-73 Electric Motors and Transformers

4 UNITS

Prepares students to work on a wide range of industrial motors and transformers.(Same as MAN-73)

PREREQUISITE: None.

34569

Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:25PM MW IT 124

LAB 02/12/18 06/07/18 07:30PM 09:00PM MW IT 124

Instructor: K Rad

## ELE-74 Industrial Wiring and Controls

4 UNITS

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)

34031

Last day to add: 04/20/18

WE 04/16/18 06/06/18 09:35AM 12:55PM MW IT 124

WEL 04/16/18 06/06/18 01:30PM 04:50PM MW IT 124

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

Instructor: T Childers

## ELE-76 Low Voltage Wiring/Alternate Energy

3 UNITS

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

PREREQUISITE: None.

34575

Last day to add: 03/07/18

WE 02/24/18 06/02/18 08:30AM 10:50AM S ATEC 119

WEL 02/24/18 06/02/18 11:30AM 03:05PM S ATEC 119

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

Instructor: Staff

## ELE-77 Electrical Theory

3 UNITS

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.)

**34581** Last day to add: 03/20/18

LEC 03/19/18 04/25/18 10:15AM 03:25PM MW ATEC 119

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

**Instructor:** M Dowlatabadi

## ELE-91 Fundamentals of Solar Energy

3 UNITS

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.

**34577** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 09:10PM T IT 124

**Instructor:** G Graham

## ELE-401 Introduction to Electrical Theory, Basic Math Concepts, and the National Electric Code

3.50 UNITS

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.

**34010** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 03:00PM 04:10PM MW JACT 1

LAB 02/12/18 06/07/18 04:20PM 05:45PM MW JACT 1

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee.

(909) 890-1703.

**Instructor:** Staff

## ELE-401 Introduction to Electrical Theory, Basic Math Concepts, and the National Electric Code

3.50 UNITS

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.

**34009** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:10PM MW JACT 1

LAB 02/12/18 06/07/18 07:20PM 08:45PM MW JACT 1

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ELE-401 Introduction to Electrical Theory, Basic Math Concepts, and the National Electric Code

3.50 UNITS

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.

**34011** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:10PM MW JACT 9

LAB 02/12/18 06/07/18 07:20PM 08:45PM MW JACT 9

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee.

(909) 890-1703.

**Instructor:** Staff

## ELE-403 AC Circuit Concepts, Applied Electronics, and National Electric Code Applications

3.50 UNITS

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.

**34013** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 03:00PM 04:10PM TTH JACT 3

LAB 02/12/18 06/07/18 04:20PM 05:45PM TTH JACT 3

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee.

(909) 890-1703.

**Instructor:** Staff



## ELE-403 AC Circuit Concepts, Applied Electronics, and National Electric Code Applications 3.50 UNITS

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.

**34012** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:10PM TTH JACT 6

LAB 02/12/18 06/07/18 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

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, panelboards, and lighting systems. 45 hours lecture and 54 hours laboratory.

**34614** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 03:00PM 04:10PM TTH JACT 2

LAB 02/12/18 06/07/18 04:20PM 05:45PM TTH JACT 2

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee.

(909) 890-1703.

**Instructor:** Staff

## ELE-405 Electrician Blueprint Reading with Code Applications for National Electrical Code (NEC) 3.50 UNITS

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, panelboards, and lighting systems. 45 hours lecture and 54 hours laboratory.

**34016** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:10PM TTH JACT 2

LAB 02/12/18 06/07/18 07:20PM 08:45PM TTH JACT 2

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee.

(909) 890-1703.

**Instructor:** Staff

## ELE-405 Electrician Blueprint Reading with Code Applications for National Electrical Code (NEC) 3.50 UNITS

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, panelboards, and lighting systems. 45 hours lecture and 54 hours laboratory.

**34613** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:10PM TTH JACT 4

LAB 02/12/18 06/07/18 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

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, panelboards, and lighting systems. 45 hours lecture and 54 hours laboratory.

**34615** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:10PM TTH JACT 3

LAB 02/12/18 06/07/18 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) 3.50 UNITS

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.

**34018** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 03:00PM 04:10PM MW JACT 6

LAB 02/12/18 06/07/18 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) 3.50 UNITS

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.

**34017** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:10PM MW JACT 6

LAB 02/12/18 06/07/18 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

3.50 UNITS

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.

**34024** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	03:00PM	04:10PM	MW	JACT 7
LAB	02/12/18	06/07/18	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

3.50 UNITS

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.

**34026** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	03:00PM	04:10PM	MW	JACT 5
LAB	02/12/18	06/07/18	04:20PM	05:45PM	MW	JACT 5

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee. (909) 890-1703.

**Instructor:** Staff

## ELE-409 Electrician Specialty Systems

3.50 UNITS

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.

**34022** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	03:00PM	04:10PM	TTH	JACT 5
LAB	02/12/18	06/07/18	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

3.50 UNITS

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.

**34025** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:00PM	07:10PM	MW	JACT 7
LAB	02/12/18	06/07/18	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

3.50 UNITS

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.

**34023** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:00PM	07:10PM	TTH	JACT 5
LAB	02/12/18	06/07/18	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

3.50 UNITS

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.

**34027** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:00PM	07:10PM	MW	JACT 8
LAB	02/12/18	06/07/18	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

3.50 UNITS

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.

**34028** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 03:00PM 04:10PM MW JACT 8

LAB 02/12/18 06/07/18 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 3.50 UNITS

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.

**34616** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 03:00PM 04:10PM TTH JACT 8

LAB 02/12/18 06/07/18 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 1 UNIT

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.

**34617** Last day to add: 02/23/18

LAB 02/12/18 06/07/18 08:00AM 08:50AM S JACT 1

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee.

(909) 890-1703.

**Instructor:** J Rowe

## ELE-499 Electrician Apprenticeship Work Experience 1 UNIT

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.

**34683** Last day to add: 02/23/18

LAB 02/12/18 06/07/18 09:00AM 09:50AM S JACT 1

The above course is part of a 5-year apprenticeship program. Interested students may apply to the Riverside and San Bernardino Joint Electrical Apprenticeship Training Committee.

(909) 890-1703.

**Instructor:** J Rowe

## ENGINEERING

### ENE-21 Drafting 3 UNITS

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

PREREQUISITE: None.

**34609** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 03:25PM M ATEC 109

WEL 02/12/18 06/07/18 03:30PM 04:55PM M ATEC 109

WEL2 02/12/18 06/07/18 02:00PM 05:10PM W ATEC 109

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

**Instructor:** P Van Hulle

### 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.)

**34034** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:50PM 08:15PM W ATEC 109

WEL 02/12/18 06/07/18 06:50PM 10:00PM M ATEC 109

WEL2 02/12/18 06/07/18 08:20PM 09:45PM W ATEC 109

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

**Instructor:** G Cordier

## ENE-27 Technical Communications

3 UNITS

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.

**34035** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 08:00AM 09:25AM TTH IT 124

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 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**34036** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:50PM 08:15PM W ATEC 109  
WEL 02/12/18 06/07/18 06:50PM 10:00PM M ATEC 109  
WEL2 02/12/18 06/07/18 08:20PM 09:45PM W ATEC 109

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

**Instructor:** G Cordier

## ENE-30 Computer Aided Drafting (CAD)

3 UNITS

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.

**34596** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 02:00PM 03:25PM M IT 125  
LAB 02/12/18 06/07/18 03:30PM 04:55PM M IT 125  
LAB2 02/12/18 06/07/18 02:00PM 05:10PM W IT 125

**Instructor:** J Sommerville

## ENE-30 Computer Aided Drafting (CAD)

3 UNITS

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.

**34598** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 03:25PM T CACT 2  
WEL 02/12/18 06/07/18 03:30PM 04:55PM T CACT 2  
WEL2 02/12/18 06/07/18 02:00PM 05:10PM TH CACT 2

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

**Instructor:** P Van Hulle

## 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.)

**34039** Last day to add: 02/23/18  
LEC 02/12/18 06/07/18 06:00PM 09:10PM W JFK 104

**Instructor:** J Sommerville

## ENE-42 SolidWorks I

3 UNITS

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.

**34604** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 09:25AM T IT 127  
WEL 02/12/18 06/07/18 09:35AM 11:00AM T IT 127  
WEL2 02/12/18 06/07/18 08:00AM 11:10AM TH IT 127

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

**Instructor:** S Hall

## ENE-42 SolidWorks I

3 UNITS

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.

**34599** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 07:25PM W IT 127  
WEL 02/12/18 06/07/18 06:00PM 09:10PM M IT 127  
WEL2 02/12/18 06/07/18 07:30PM 08:55PM W IT 127

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

**Instructor:** S Hall

## ENE-42B SolidWorks II

3 UNITS

Prerequisite: ENE-42 or prior SolidWorks experience Description: An advanced course in using the three-dimensional parametric solid-modeler SolidWorks. This course is designed to further 3D parametric solid modeling software techniques learned in SolidWorks I. Students will delve deeper into topics that were introduced in the first SolidWorks course such as extruding, sweeping, lofting, shelling, assemblies, and animation. 27 hours lecture and 90 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**34605** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:25PM T IT 125  
LAB 02/12/18 06/07/18 07:30PM 08:55PM T IT 125  
LAB2 02/12/18 06/07/18 06:00PM 09:10PM TH IT 125

**Instructor:** J Sommerville

## ENE-51 **Blueprint Reading**

2 UNITS

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.)

**34044** Last day to add: 03/06/18

LEC 02/23/18 06/01/18 02:00PM 03:50PM F ATEC 119

LAB 02/23/18 06/01/18 04:00PM 05:50PM F ATEC 119

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

**Instructor:** J Sommerville

## ENE-52 **Geometric Dimensioning and Tolerancing**

2 UNITS

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.)

**34045** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 04:35PM 06:40PM W CACT 2

**Instructor:** G Cordier

## ENE-60 **Math for Engineering Technology**

3 UNITS

Math problems used in industry, including basic arithmetic, algebra, geometry and trigonometry.

PREREQUISITE: None.

**34046** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 09:25AM MW ATEC 119

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

**Instructor:** G Alcala

## 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 or ENG-80
- Approved alternative placement method (see Counseling for available options)

#### ENGLISH 50

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

#### ENGLISH 80

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

#### ENGLISH 70

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

## 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)

**34054** Last day to add: 02/23/18

WE 02/12/18 06/07/18 07:20AM 08:35AM MWF CACT 1

WEL 02/12/18 06/07/18 IT 121

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

**Instructor:** D Mattson

## Moving through English, ESL, Reading

### English as a Second Language

#### Oral Communication

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

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

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

#### Reading & Vocabulary

**ESL-71**  
Basic Reading and Vocabulary

**ESL-72**  
Intermediate Reading and Vocabulary

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

#### Writing & Grammar

**ESL-51**  
Basic Writing & Grammar

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

**ESL-53**  
Intermediate Writing & Grammar

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

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

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

Shaded areas indicate possible course placements

### English Composition

#### English Composition

**ENG-70**  
Basic English Comp.  
Replaces ENG-60A & ENG-60B  
*Non-Transferable*

**ENG-50**  
Basic English Composition

**ENG-1A\***  
English Composition

**ENG-1B\***  
Critical Thinking & Writing

**ENG-80**  
Preparatory Composition  
*Non-Transferable*

It is recommended that students take English and Reading classes at the same time. Check placement score for the appropriate reading class.

### Reading

#### Reading

**REA-81**  
Reading Level I

**REA-82**  
Reading Level II

**REA-83**  
Reading Level III

### 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)

**34074** Last day to add: 02/23/18

WE	02/12/18	06/07/18	07:20AM	08:35AM	MWF	HUM 102
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** 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)

**34619** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:15AM	10:20AM	MW	ATEC 109
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** T Cortina

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

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## ENG-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)

**34059** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:15AM	10:20AM	TTH	HUM 102
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** A Perez

## ENG-1A English Composition

4 UNITS

Prerequisite: ENG-50 or ENG-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)

**34048** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:45AM	10:00AM	MWF	CACT 1
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** Staff

## ENG-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)

**34073** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:45AM	10:00AM	MWF	HUM 102
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** 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)

**34049** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:30AM	11:45AM	MWF	CACT 1
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** 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)

**34052** Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:30AM	12:35PM	MW	ATEC 109
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** S Hanson

## ENG-1A English Composition

4 UNITS

Prerequisite: ENG-50 or ENG-80or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)

**34560** Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:30AM	12:35PM	MW	STEM 302
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** C Young

## 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)

**34055** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:30AM	12:35PM	TTH	IT 110
LAB	02/12/18	06/07/18				IT 121

The above section will have reading and writing assignments focusing on the Chicano experience and is designed for students in the Puente Program. Concurrent enrollment in GUI-48-34188 is required. See the instructor and a counselor before enrolling. This section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

**Instructor:** N Morford

## ENG-1A English Composition

4 UNITS

Prerequisite: ENG-50 or ENG-80or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)

**34072** Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:30AM	12:35PM	TTH	ATEC 109
WEL	02/12/18	06/07/18				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:** A Moore

## ENG-1A English Composition

4 UNITS

Prerequisite: ENG-50 or ENG-80or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)

**34071** Last day to add: 02/23/18

WE	02/12/18	06/07/18	12:45PM	02:00PM	MWF	IT 123
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** D 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)

**34561** Last day to add: 02/23/18

WE	02/12/18	06/07/18	12:45PM	02:50PM	MW	STEM 302
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** S Hanson

## ENG-1A English Composition

4 UNITS

Prerequisite: ENG-50 or ENG-80or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)

**34050** Last day to add: 02/23/18

WE	02/12/18	06/07/18	01:00PM	02:15PM	MWF	CACT 1
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** E Rossi

## 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)

**34053** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	01:00PM	02:15PM	MWF	IT 208
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** S Tkach



## 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)

**34051** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	02:00PM	04:05PM	TTH	LIBR 110
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** R Mansikka

## ENG-1A English Composition

4 UNITS

Prerequisite: ENG-50 or ENG-80or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)

**34056** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	02:00PM	04:05PM	TTH	HUM 102
LAB	02/12/18	06/07/18				IT 121

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

**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)

**34064** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:00PM	04:05PM	TTH	CACT 1
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** A Perez

## ENG-1A English Composition

4 UNITS

Prerequisite: ENG-50 or ENG-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)

**34069** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:00PM	04:05PM	TTH	IT 208
WEL	02/12/18	06/07/18				IT 121

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

**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)

**34058** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:45PM	MWF	CACT 1
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** E Rossi

## 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)

**34070** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	02:30PM	03:45PM	MWF	IT 108
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** STkach

## 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)

**34065** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	03:00PM	05:05PM	MW	IT 206
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** D 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)

**34066** Last day to add: 02/23/18

WE	02/12/18	06/07/18	03:00PM	05:05PM	MW	ST 108
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** 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)

**34075** Last day to add: 02/23/18

WE	02/12/18	06/07/18	03:00PM	05:05PM	MW	IT 208
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** J Watson

## ENG-1A English Composition

4 UNITS

Prerequisite: ENG-50 or ENG-80 or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing. Reading and writing assignments include exposition, argumentation, and academic research. Students will produce a minimum of 10,000 words of instructor-evaluated writing. Classroom instruction integrates writing lab activities. Students may not receive credit for both ENG-1A and ENG-1AH. 72 hours lecture and 18 hours laboratory. (TBA option)

**34621** Last day to add: 02/23/18

WE	02/12/18	06/07/18	03:00PM	05:05PM	TTH	ERHS B211
WEL	02/12/18	06/07/18	05:15PM	06:05PM	TH	ERHS B211

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-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)

**34047** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	06:20PM	MW	JFK 118
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** 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)

**34062** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	06:20PM	MW	LIBR 110
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** 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)

**34063** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	06:20PM	MW	JFK 222
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** C Young

## 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)

**34068** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	06:20PM	MW	JFK 224
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** M Muldoon

## 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)

**34057** Last day to add: 02/23/18

WE	02/12/18	06/07/18	05:30PM	07:35PM	MW	ST 108
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** J 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)

**34060** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:30PM	08:35PM	MW	JFK 119
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** E Robles

## ENG-1A English Composition

4 UNITS

Prerequisite: ENG-50 or ENG-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)

**34061** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:30PM	08:35PM	MW	JFK 224
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** M Muldoon

## 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)

**34067** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:30PM	08:35PM	TTH	IT 206
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** M Pelle

## 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)

**34076** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:30AM	12:35PM	TTH	HUM 102
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** D 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)

**34088** Last day to add: 05/04/18

OL	02/12/18	04/08/18				ON LINE
OLL	02/12/18	04/08/18				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:** 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)

**34091** Last day to add: 04/24/18

OL	04/16/18	06/07/18				ON LINE
OLL	04/16/18	06/07/18				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:** 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)

**34679** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	08:00AM	10:35AM	M	CRC CRCL609A
LEC2	02/12/18	06/07/18	08:00AM	09:20AM	W	CRC CRCL609A
LAB	02/12/18	06/07/18	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:** 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)

**34077** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:15AM	10:20AM	TTH	IT 111
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** J 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)

**34079** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:30AM	12:35PM	TTH	IT 206
LAB	02/12/18	06/07/18				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 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 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)

**34680** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	12:30PM	02:35PM	MW	CRC	CRCUL3
LAB	02/12/18	06/07/18	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:** 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)

**34095** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	12:45PM	02:50PM	MW	IT	111
LAB	02/12/18	06/07/18				IT	121

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

**Instructor:** N Capps

## ENG-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)

**34083** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:00PM	04:05PM	MW	LIBR	110
WEL	02/12/18	06/07/18				IT	121

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

**Instructor:** T Wallace

## 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)

**34078** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:00PM	04:05PM	TTH	IT	111
WEL	02/12/18	06/07/18				IT	121

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

**Instructor:** 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)

**34082** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:00PM	04:05PM	TTH	STEM	302
WEL	02/12/18	06/07/18				IT	121

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

**Instructor:** L Ludvigsen

## 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)

**34081** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:15PM	04:20PM	MW	WEQ	W4
WEL	02/12/18	06/07/18				IT	121

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

**Instructor:** Staff

## ENG-1B Critical Thinking and Writing

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)

**34089** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:45PM	MWF	IT 122
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** J Bonafede

## 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)

**34096** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	03:00PM	05:05PM	MW	IT 110
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** 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)

**34620** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	03:00PM	05:05PM	TTH	ERHS B203
LAB	02/12/18	06/07/18	05:15PM	06:05PM	T	ERHS B203

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

**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)

**34090** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	05:30PM	MWF	IT 123
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** J Bonafede

## 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)

**34092** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	06:20PM	MW	CACT 1
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** T Wallace

## 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)

**34080** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	06:20PM	TTH	IT 206
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** Staff

## ENG-1B Critical Thinking and Writing

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)

**34085** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	06:20PM	TTH	JFK 222
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** L Ludvigsen

## 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)

**34094** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	04:15PM	06:20PM	TTH	JFK 104
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** 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)

**34562** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	06:20PM	TTH	IT 108
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** 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)

**34563** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	06:20PM	TTH	IT 111
WEL	02/12/18	06/07/18				IT 121

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

**34084** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	05:30PM	07:35PM	MW	IT 111
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** 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)

**34086** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:30PM	08:35PM	TTH	IT 210
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** Staff

## ENG-1B Critical Thinking and Writing

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)

**34087** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:30PM	08:35PM	TTH	IT 110
WEL	02/12/18	06/07/18				IT 121

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

**34093** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:30PM	08:35PM	TTH	JFK 104
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** E Wagner

## 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)

**34097** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:30AM	12:35PM	TTH	IT 208
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** D Mills

## ENG-15 American Literature II: 1860 to the Present

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 1860 to the present, including a comprehensive exposure to the prose, poetry, fiction, and drama 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.)

**34564** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	02:00PM	03:25PM	TTH	IT 108
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**Instructor:** D Reade

## ENG-16 Introduction to Linguistics

3 UNITS

Advisory: Qualification for English 1A Description: A survey of language structure, theory and development, including a study of phonetics, phonology, morphology, semantics and syntax, language variation and change, language acquisition, and the psychological and social issues involved in language learning. 54 hours lecture. (Letter Grade, or Pass/No Pass Option.)

**34567** Last day to add: 02/23/18

HYB	02/12/18	06/07/18	10:30AM	12:35PM	M	IT 210
HYBO	02/12/18	06/07/18				ON LINE

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

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

**Instructor:** O Dumer

## ENG-23 The Bible As Literature

3 UNITS

Advisory: ENG-1B or ENG-1BH and REA-83 Description: A survey of the Hebrew Bible and New Testament with emphasis on literary form, styles, and themes. 54 hours lecture. (Letter Grade, or Pass/No Pass Option.)

**34565** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	11:15AM	12:40PM	TTH	IT 108
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**Instructor:** M Bobo

## ENG-30 Children's Literature

3 UNITS

Prerequisite: ENG-50 or ENG-80 or eligibility for ENG-1A Description: A general survey of children's literature from early times, with emphasis on contemporary works, including fantasy/science fiction, realistic, multicultural, and historical fiction. Both oral and written assignments are required. 54 hours lecture. (Letter Grade, or Pass/No pass option)

**34558** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	12:45PM	02:10PM	MW	ST 108
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**Instructor:** D Reade



## 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.)

**34112** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	08:15AM	10:20AM	MW	IT 206
LAB	02/12/18	06/07/18				IT 121

Enrollment in the above course requires participation in Norco College's First Year Experience Program. Contact (951) 372-7151 to enroll in the First Year Experience 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:** D Mills

## 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.)

**34682** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	08:15AM	10:20AM	MW	CRC CRCUL3
LAB	02/12/18	06/07/18	10:30AM	11:35AM	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:** J Dobson

## 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.)

**34102** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:15AM	10:20AM	TTH	IT 206
WEL	02/12/18	06/07/18				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 and requires concurrent enrollment in GIU-47 34183. The above section has an 18-hour laboratory requirement to be arranged. In addition to the time spent in class, students are required to attend the Writing Lab in IT 121 for 50-minutes each week, and must use WebAdvisor to schedule these sessions. Required lab attendance begins the first week of the term. See WebAdvisor for available WL-LAB times.

**Instructor:** A Moore

## 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.)

**34109** Last day to add: 02/23/18

HYB	02/12/18	06/07/18	08:15AM	10:20AM	T	CACT 1
HYBO	02/12/18	06/07/18				ON LINE
HYBLO	02/12/18	06/07/18				ON LINE

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

**Instructor:** C Miter

## ENG-50 Basic English Composition

4 UNITS

Prerequisite: ENG-70 or ENG-60B or ESL-55 Advisory: REA-82 or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing as preparation for college-level composition. Students will produce a minimum of 5,000 words of instructor-evaluated writing. Classroom instruction integrates lab activities. 72 hours lecture and 18 hours laboratory. (Letter Grade only.)

**34107** Last day to add: 02/23/18

HYB	02/12/18	06/07/18	08:15AM	10:25AM	TH	CACT 1
HYBO	02/12/18	06/07/18				ON LINE
HYBLO	02/12/18	06/07/18				ON LINE

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

**Instructor:** C Miter

## ENG-50 Basic English Composition

4 UNITS

Prerequisite: ENG-70 or ENG-60B or ESL-55 Advisory: REA-82 or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing as preparation for college-level composition. Students will produce a minimum of 5,000 words of instructor-evaluated writing. Classroom instruction integrates lab activities. 72 hours lecture and 18 hours laboratory. (Letter Grade only.)

**34118** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:30AM	12:35PM	MW	IT 206
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** K Anderson

## 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.)

**34104** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:30AM	12:35PM	TTH	IT 123
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** A Elizalde

## ENG-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.)

**34110** Last day to add: 02/23/18

HYB	02/12/18	06/07/18	10:30AM	12:35PM	T	CACT 1
HYBO	02/12/18	06/07/18				ON LINE
HYBLO	02/12/18	06/07/18				ON LINE

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

**Instructor:** C Miter

## ENG-50 Basic English Composition

4 UNITS

Prerequisite: ENG-70 or ENG-60B or ESL-55 Advisory: REA-82 or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing as preparation for college-level composition. Students will produce a minimum of 5,000 words of instructor-evaluated writing. Classroom instruction integrates lab activities. 72 hours lecture and 18 hours laboratory. (Letter Grade only.)

**34099** Last day to add: 02/23/18

HYB	02/12/18	06/07/18	10:30AM	12:35PM	W	IT 210
HYBO	02/12/18	06/07/18				ON LINE
HYBLO	02/12/18	06/07/18				ON LINE

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

**Instructor:** C Miter

## ENG-50 Basic English Composition

4 UNITS

Prerequisite: ENG-70 or ENG-60B or ESL-55 Advisory: REA-82 or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing as preparation for college-level composition. Students will produce a minimum of 5,000 words of instructor-evaluated writing. Classroom instruction integrates lab activities. 72 hours lecture and 18 hours laboratory. (Letter Grade only.)

**34111** Last day to add: 02/23/18

HYB	02/12/18	06/07/18	10:30AM	12:35PM	TH	CACT 1
HYBO	02/12/18	06/07/18				ON LINE
HYBLO	02/12/18	06/07/18				ON LINE

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

**Instructor:** C Miter

## ENG-50 Basic English Composition

4 UNITS

Prerequisite: ENG-70 or ENG-60B or ESL-55 Advisory: REA-82 or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing as preparation for college-level composition. Students will produce a minimum of 5,000 words of instructor-evaluated writing. Classroom instruction integrates lab activities. 72 hours lecture and 18 hours laboratory. (Letter Grade only.)

**34681** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	12:30PM	03:05PM	M	CRC CRCL609A
LEC2	02/12/18	06/07/18	12:30PM	01:50PM	W	CRC CRCL609A
LAB	02/12/18	06/07/18	02:00PM	03:05PM	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:** L Nelson

## 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.)

**34105** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	02:00PM	04:05PM	TTH	IT 110
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** A Elizalde

## ENG-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.)

**34100** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	06:20PM	TTH	JFK 220
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** S Jethani

## 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.)

**34108** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	04:15PM	06:20PM	TTH	IT 110
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** A Elizalde

## ENG-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.)

**34114** Last day to add: 02/23/18

WE	02/12/18	06/07/18	04:15PM	06:25PM	TTH	IT 208
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** J Hill

## ENG-50 Basic English Composition

4 UNITS

Prerequisite: ENG-70 or ENG-60B or ESL-55 Advisory: REA-82 or qualifying placement level Description: Emphasizes and develops skills in critical reading and academic writing as preparation for college-level composition. Students will produce a minimum of 5,000 words of instructor-evaluated writing. Classroom instruction integrates lab activities. 72 hours lecture and 18 hours laboratory. (Letter Grade only.)

**34106** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:30PM	08:35PM	MW	JFK 222
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** T Okamoto

## 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.)

**34101** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:30PM	08:35PM	TTH	JFK 220
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** S Jethani

## 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.)

**34103** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:30PM	08:35PM	TTH	JFK 118
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** R Mansikka

## 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.)

**34115** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:30PM	08:35PM	TTH	IT 208
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** J Hill

## ENG-70 Composition Fundamentals 4 UNITS

Develops skills in grammar, usage, composition, and the writing process. Prerequisite: None.

**34573** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	08:15AM	10:20AM	TTH	IT 123
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** J Gianunzio

## ENG-70 Composition Fundamentals 4 UNITS

Develops skills in grammar, usage, composition, and the writing process. Prerequisite: None.

**34568** Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:30AM	11:45AM	MWF	IT 208
WEL	02/12/18	06/07/18				IT 121

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

**Instructor:** A Moore

## ENG-70 Composition Fundamentals 4 UNITS

Develops skills in grammar, usage, composition, and the writing process. Prerequisite: None.

**34576** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:30AM	11:45AM	MWF	IT 110
LAB	02/12/18	06/07/18	12:00PM	12:50PM	F	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-70 Composition Fundamentals 4 UNITS

Develops skills in grammar, usage, composition, and the writing process. Prerequisite: None.

**34571** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	12:45PM	02:50PM	MW	IT 206
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** D Chaffin

## ENG-70 Composition Fundamentals 4 UNITS

Develops skills in grammar, usage, composition, and the writing process. Prerequisite: None.

**34572** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	02:00PM	04:05PM	TTH	IT 123
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** J Reed

## ENG-70 Composition Fundamentals 4 UNITS

Develops skills in grammar, usage, composition, and the writing process. Prerequisite: None.

**34570** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	03:00PM	05:05PM	MW	IT 111
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** D Chaffin

## ENG-70 Composition Fundamentals 4 UNITS

Develops skills in grammar, usage, composition, and the writing process. Prerequisite: None.

**34574** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	04:15PM	06:20PM	TTH	ST 108
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** J Reed

## ENG-80 Preparatory Composition

6 UNITS

Description: Accelerated preparation for English Composition (ENG 1A), this course offers intensive instruction in the academic reading, reasoning, and writing expected in transfer and associate-degree courses. Students will read college-level texts and write a minimum of 10,000 words. Classroom instruction is supplemented by writing lab activities. 108 hours lecture and 18 hours laboratory. (TBA option) (Non-degree credit course.)

**34135** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	08:05AM	09:30AM	MTWTH	IT 108
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** N Morford

## ENG-80 Preparatory Composition

6 UNITS

Description: Accelerated preparation for English Composition (ENG 1A), this course offers intensive instruction in the academic reading, reasoning, and writing expected in transfer and associate-degree courses. Students will read college-level texts and write a minimum of 10,000 words. Classroom instruction is supplemented by writing lab activities. 108 hours lecture and 18 hours laboratory. (TBA option) (Non-degree credit course.)

**34137** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	08:15AM	10:20AM	MWF	IT 123
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** A Elizalde

## ENG-80 Preparatory Composition

6 UNITS

Description: Accelerated preparation for English Composition (ENG 1A), this course offers intensive instruction in the academic reading, reasoning, and writing expected in transfer and associate-degree courses. Students will read college-level texts and write a minimum of 10,000 words. Classroom instruction is supplemented by writing lab activities. 108 hours lecture and 18 hours laboratory. (TBA option) (Non-degree credit course.)

**34134** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	08:45AM	10:10AM	MTWTH	ST 108
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** T Comstock

## ENG-80 Preparatory Composition

6 UNITS

Description: Accelerated preparation for English Composition (ENG 1A), this course offers intensive instruction in the academic reading, reasoning, and writing expected in transfer and associate-degree courses. Students will read college-level texts and write a minimum of 10,000 words. Classroom instruction is supplemented by writing lab activities. 108 hours lecture and 18 hours laboratory. (TBA option) (Non-degree credit course.)

**34138** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:30AM	12:35PM	MWF	IT 123
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** A Elizalde

## ENG-80 Preparatory Composition

6 UNITS

Description: Accelerated preparation for English Composition (ENG 1A), this course offers intensive instruction in the academic reading, reasoning, and writing expected in transfer and associate-degree courses. Students will read college-level texts and write a minimum of 10,000 words. Classroom instruction is supplemented by writing lab activities. 108 hours lecture and 18 hours laboratory. (TBA option) (Non-degree credit course.)

**34139** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:30AM	11:55AM	MTWTH	ST 108
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** T Comstock

## ENG-80 Preparatory Composition

6 UNITS

Description: Accelerated preparation for English Composition (ENG 1A), this course offers intensive instruction in the academic reading, reasoning, and writing expected in transfer and associate-degree courses. Students will read college-level texts and write a minimum of 10,000 words. Classroom instruction is supplemented by writing lab activities. 108 hours lecture and 18 hours laboratory. (TBA option) (Non-degree credit course.)

**34136** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	11:00AM	12:25PM	MTWTH	IT 111
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** N Capps

## 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.norcollege.edu](http://www.norcollege.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.norcollege.edu/services/assessment/Pages/MakeAnAppointment.aspx](http://www.norcollege.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

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.)

**34140** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:30PM	08:35PM	TTH	IT 211
LAB	02/12/18	06/07/18	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.)

**34141** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:30PM	08:35PM	MW	HUM 102
LAB	02/12/18	06/07/18	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.)

**34142** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:40AM	12:45PM	TTH	IT 211
LAB	02/12/18	06/07/18	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.)

**34143** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	11:15AM	01:45PM	MW	IT 211
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** M Shirinian

### ESL-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.)

**34144** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	07:50AM	10:20AM	MW	IT 211
LAB	02/12/18	06/07/18				IT 121

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

**Instructor:** M Shirinian

### ESL-91 Oral Skills I: Beginning Oral Communication 3 UNITS

Advisory: Concurrent enrollment in ESL 51 or 52 Description: This course emphasizes beginning conversation, pronunciation, and idiomatic skills along with basic listening comprehension. Conversational and idiomatic skills focus on fluent and appropriate use of common words and functional expressions in life skills areas--shopping, food, clothing, money/banking, car/license, travel, medicine. Pronunciation focuses on the articulation of English vowels and consonants and on the development of basic English patterns of stress and intonation. Listening stresses understanding verbal instructions and questions, common vocabulary and daily functions in an aural context, main ideas and details in monologues and dialogues. 54 hours lecture and 18 hours laboratory. (Non-degree credit course. Pass/No Pass only.)

**34582** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	08:00AM	09:25AM	TTH	IT 211
LAB	02/12/18	06/07/18	09:35AM	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

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

PREREQUISITE: None.

**34146** Last day to add: 02/23/18

WE	02/12/18	06/07/18	11:45AM	01:50PM	M	LIBR 121
WE2	02/12/18	06/07/18	11:45AM	02:55PM	W	LIBR 109
WEL	02/12/18	06/07/18	02:00PM	02:50PM	M	LIBR 121

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

**Instructor:** D Hitchcock

### 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.)

**34147** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:20PM	08:25PM	M	LIBR 121
WE2	02/12/18	06/07/18	06:20PM	09:30PM	W	LIBR 109
WEL	02/12/18	06/07/18	08:35PM	09:25PM	M	LIBR 121

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

**Instructor:** L Thach

## GAME DEVELOPMENT

### GAM-21 History of Video Games

3 UNITS

A comprehensive study of the evolution of video games throughout history including arcade games, console games, computer games and mobile applications.

PREREQUISITE: None.

**34148** Last day to add: 02/23/18

WE	02/12/18	06/07/18	07:10AM	08:35AM	MW	IT 125
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Coverdale

### GAM-21 History of Video Games

3 UNITS

A comprehensive study of the evolution of video games throughout history including arcade games, console games, computer games and mobile applications.

PREREQUISITE: None.

**34149** Last day to add: 02/23/18

WE	02/12/18	06/07/18	11:15AM	12:40PM	TTH	IT 202
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Coverdale

### 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.

**34150** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:50PM	08:15PM	MW	IT 125
WEL	02/12/18	06/07/18	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-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)

**34601** Last day to add: 02/23/18

WE	02/12/18	06/07/18	11:30AM	01:35PM	T	IT 125
WE2	02/12/18	06/07/18	11:30AM	12:35PM	TH	IT 125
WEL	02/12/18	06/07/18	12:40PM	01:45PM	TH	IT 125

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

**Instructor:** G Marquez

### GAM-35 Intro Computer Game Dev

3 UNITS

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

PREREQUISITE: None.

**34151** Last day to add: 02/23/18

OL	02/12/18	06/07/18				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-35 Intro Computer Game Dev 3 UNITS

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

PREREQUISITE: None.

**34152** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 03:25PM TTH IT 127

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

**Instructor:** J Finley

## GAM-35 Intro Computer Game Dev 3 UNITS

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

PREREQUISITE: None.

**34623** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 03:00PM 04:25PM TTH ERHS B108

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

**Instructor:** T Moore

## 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.

**34153** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:30PM 07:20PM T IT 202

WEL 02/12/18 06/07/18 06:30PM 07:20PM TH IT 202

WEL2 02/12/18 06/07/18 07:30PM 08:35PM TTH IT 202

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

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)

PREREQUISITE: None.

**34155** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 11:55AM MW IT 202

WEL 02/12/18 06/07/18 12:05PM 12:55PM W LIBR LRC

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 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)

**34157** Last day to add: 02/23/18

WE 02/12/18 06/07/18 03:45PM 05:50PM M IT 202

WE2 02/12/18 06/07/18 03:45PM 04:35PM W IT 202

WEL 02/12/18 06/07/18 04:45PM 05:50PM W IT 202

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: CSC/GAM-52 Advisory: CIS/GAM-37 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.

**34158** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:45AM 10:10AM MW IT 202

WEL 02/12/18 06/07/18 07:45AM 08:35AM W LIBR LRC

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-70 Computer Skills for Game Art 2 UNITS

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)

**34159** Last day to add: 03/06/18

WE 02/23/18 06/01/18 08:30AM 09:40AM F IT 106

WEL 02/23/18 06/01/18 09:50AM 02:00PM F IT 106

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:** M Swanigan

## GAM-72 Anatomy for Game Art 3 UNITS

Prerequisite: GAM-80 Description: An intensive study of the human figure and animal anatomy in preparation for construction of 3D models for the Game Industry. Students draw using live clothed and nude models. 36 hours lecture and 54 hours laboratory.

**34602** Last day to add: 03/07/18

WE 02/24/18 06/02/18 08:30AM 11:00AM S ATEC 209

WEL 02/24/18 06/02/18 11:30AM 03:35PM S ATEC 209

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:** T Dunipace



## 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)

**34161** Last day to add: 03/06/18

WE	02/23/18	06/01/18	08:00AM	12:05PM	F	IT 125
WEL	02/23/18	06/01/18	12:30PM	04:35PM	F	IT 125

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 Finley

## 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)

**34162** Last day to add: 03/06/18

WE	02/23/18	06/01/18	08:00AM	12:05PM	F	IT 125
WEL	02/23/18	06/01/18	12:30PM	04:35PM	F	IT 125

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 Finley

## 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.

**34163** Last day to add: 03/06/18

WE	02/23/18	06/01/18	08:00AM	12:05PM	F	IT 125
WEL	02/23/18	06/01/18	12:30PM	04:35PM	F	IT 125

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 Finley

## 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)

**34164** Last day to add: 03/06/18

WE	02/23/18	06/01/18	08:00AM	12:05PM	F	IT 125
WEL	02/23/18	06/01/18	12:30PM	04:35PM	F	IT 125

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 Finley

## 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)

**34165** Last day to add: 03/06/18

WE	02/23/18	06/01/18	08:00AM	12:05PM	F	IT 125
WEL	02/23/18	06/01/18	12:30PM	04:35PM	F	IT 125

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 Finley

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

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)

**34166** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:00AM	09:45AM	TTH	IT 125
WEL	02/12/18	06/07/18	09:55AM	11:20AM	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-80 Digital Drawing for Game Art

4 UNITS

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)

34167

Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:55PM	TTH	IT 202
WEL	02/12/18	06/07/18	04:05PM	05:30PM	TTH	IT 202

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

## GEOGRAPHY

### GEG-1 Physical Geography

3 UNITS

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.

34170

Last day to add: 02/23/18

LEC	02/12/18	06/07/18	08:00AM	09:25AM	TTH	ATEC 205
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Instructor: S Justice

### GEG-1 Physical Geography

3 UNITS

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.

34169

Last day to add: 02/23/18

LEC	02/12/18	06/07/18	08:45AM	10:10AM	MW	ATEC 205
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Instructor: R Christov

### GEG-1 Physical Geography

3 UNITS

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.

34172

Last day to add: 02/23/18

LEC	02/12/18	06/07/18	10:30AM	11:55AM	MW	ATEC 114
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Instructor: S Justice

### GEG-1 Physical Geography

3 UNITS

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.

34173

Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:00PM	09:10PM	T	ATEC 205
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Instructor: E Ogbuchiekwe

### GEG-1 Physical Geography

3 UNITS

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.

34171

Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:30PM	07:55PM	MW	ATEC 205
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Instructor: E Peprah

### GEG-1L Physical Geography Laboratory

1 UNIT

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.

34175

Last day to add: 02/23/18

LAB	02/12/18	06/07/18	09:40AM	11:05AM	TTH	ATEC 205
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Instructor: S Justice

### GEG-1L Physical Geography Laboratory

1 UNIT

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.

34174

Last day to add: 02/23/18

LAB	02/12/18	06/07/18	10:30AM	11:55AM	MW	ATEC 205
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Instructor: R Christov

### GEG-1L Physical Geography Laboratory

1 UNIT

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.

34176

Last day to add: 02/23/18

LAB	02/12/18	06/07/18	12:45PM	02:10PM	MW	ATEC 205
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Instructor: S Justice

## GEG-1L Physical Geography Laboratory 1 UNIT

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.

**34178** Last day to add: 02/26/18

LAB 02/15/18 05/31/18 06:00PM 09:20PM TH ATEC 205

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

**Instructor:** E Ogbuchiekwe

## GEG-1L Physical Geography Laboratory 1 UNIT

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.

**34177** Last day to add: 02/23/18

LAB 02/12/18 06/07/18 08:15PM 09:40PM MW ATEC 205

**Instructor:** E Peprah

## GEG-2 Human Geography 3 UNITS

The geographic analysis of the human imprint on the planet. Topics include population, food, language, religion, economic activity, physical environment and political geography.

PREREQUISITE: None.

**34179** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 02:30PM 03:55PM MW ATEC 205

**Instructor:** S Justice

## GEG-3 World Regional Geog 3 UNITS

A study of major world regions, emphasizing current characteristics and issues including cultural, economic, political, and environmental conditions.

PREREQUISITE: None.

**34180** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 04:15PM 05:40PM MW ATEC 205

**Instructor:** R Christov

## GEG-5 Weather and Climate 3 UNITS

The nature and causes of common meteorological phenomena, severe weather occurrences, and climatic patterns. (Same as PHS-5)

PREREQUISITE: None.

**34181** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 02:30PM 03:55PM TTH ATEC 205

**Instructor:** E Ogbuchiekwe

## GUIDANCE

### GUI-45 Introduction to College 1 UNIT

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)

**34622** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 07:30AM 08:20AM W ERHS B208

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

**Instructor:** L Martin

### GUI-46 Intro Transfer Process 1 UNIT

Survey of transfer requirements with hands-on activities through the application process for students transferring to four-year institutions.

PREREQUISITE: None.

**34182** Last day to add: 02/17/18

HYB 02/13/18 04/03/18 08:15AM 09:25AM T ATEC 119

HYBLO 02/13/18 04/03/18 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. Please note the start and end dates.

**Instructor:** M Iliscupidez

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

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.

**34187** Last day to add: 02/23/18

OL 02/12/18 06/07/18 ON LINE

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

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

**Instructor:** L Dominguez

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

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.

**34186** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 08:00AM 09:25AM TTH IT 106

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

**Instructor:** J Midgett

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

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.

**34189** Last day to add: 02/23/18  
HYB 02/12/18 06/07/18 08:05AM 09:30AM TH ATEC 119  
HYB0 02/12/18 06/07/18 ON LINE

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

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

**Instructor:** L Martin

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

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.

**34183** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 08:45AM 10:10AM MW STEM 302

The above section is a web-enhanced class. Internet access is required. The above section is designed with special emphasis on African American culture and requires concurrent enrollment in ENG-50-34102. See the Umoja (T3P) counselor prior to enrolling.

**Instructor:** R Smith

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

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.

**34188** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 08:55AM 10:25AM TTH ATEC 109

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-1A-34055. See the Puente counselor prior to enrolling.

**Instructor:** S Buenrostro

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

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.

**34690** Last day to add: 02/23/18  
LEC 02/12/18 06/07/18 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:** T Brackett

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

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.

**34692** Last day to add: 02/23/18  
LEC 02/12/18 06/07/18 11:00AM 12:25PM MW IT 106

Enrollment in this class requires participation in Norco College's First Year Experience Program

**Instructor:** Y Haro

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

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.

**34686** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 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:** T Brackett

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

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.

**34185** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:25PM 05:50PM 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

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.

**34184** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:30PM 09:50PM TH IT 111

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

**Instructor:** Staff

## GUI-48 College Success Strat 2 UNITS

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

PREREQUISITE: None.

**34191** Last day to add: 02/23/18

WE 02/12/18 06/07/18 05:15PM 06:20PM M IT 206

02/12/18 06/07/18 05:15PM 06:05PM W IT 206

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

**Instructor:** A Palomo-Lemus

## GUI-48 College Success Strat 2 UNITS

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

PREREQUISITE: None.

**34190** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:30PM 08:35PM W IT 110

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

**Instructor:** E Betancourt

## HEALTH SCIENCE

### HES-1 Health Science 3 UNITS

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.

PREREQUISITE: None.

**34194** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 09:25AM TTH THTR 101

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

**Instructor:** V Genian

### HES-1 Health Science 3 UNITS

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.

PREREQUISITE: None.

**34193** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 08:45AM 10:10AM MW THTR 101

**Instructor:** T Wallstrom

### HES-1 Health Science 3 UNITS

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.

PREREQUISITE: None.

**34195** Last day to add: 02/23/18

WE 02/12/18 06/07/18 09:40AM 11:05AM TTH THTR 101

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

**Instructor:** S Witmer

## HES-1 Health Science 3 UNITS

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.

PREREQUISITE: None.

**34199** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 10:30AM 11:55AM MW THTR 101

Instructor: T Wallstrom

## HES-1 Health Science 3 UNITS

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.

PREREQUISITE: None.

**34200** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 11:15AM 12:40PM TTH WEQ W7

Instructor: T Wallstrom

## HES-1 Health Science 3 UNITS

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.

PREREQUISITE: None.

**34192** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:30PM 03:55PM MW IT 101

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

Instructor: S Witmer

## HES-1 Health Science 3 UNITS

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.

PREREQUISITE: None.

**34201** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 05:40PM MW THTR 101

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

Instructor: M Donovan

## HES-1 Health Science 3 UNITS

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.

PREREQUISITE: None.

**34196** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM T WEQ W6

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

Instructor: V Genian

## HES-1 Health Science 3 UNITS

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.

PREREQUISITE: None.

**34197** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM W WEQ W6

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

Instructor: L Newson

## HES-1 Health Science 3 UNITS

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.

PREREQUISITE: None.

**34198** Last day to add: 02/26/18

LEC 02/15/18 05/31/18 06:00PM 09:20PM TH WEQ W6

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

Instructor: N Corselli

## HISTORY

### HIS-2 History of World Civilizations II 3 UNITS

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.

**34202** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 11:15AM 12:40PM TTH HUM 103

Instructor: S Kyriakos

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

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.

**34206** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 07:10AM 08:35AM 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

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.

**34207** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 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

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.

**34211** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 08:45AM 10:10AM 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

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.

**34208** Last day to add: 03/06/18  
WE 02/23/18 06/01/18 10:30AM 02:35PM 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

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.

**34209** Last day to add: 02/23/18  
LEC 02/12/18 06/07/18 06:00PM 09:10PM M HUM 103

**Instructor:** M Hickerson

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

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.

**34210** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 06:00PM 09:10PM T WEQ W7

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

**Instructor:** C Delgadillo

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

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.

**34212** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 06:00PM 09:10PM T STEM 201

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

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.

**34205** Last day to add: 02/26/18  
LEC 02/15/18 05/31/18 06:00PM 09:20PM TH IT 109

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

**Instructor:** M Hickerson

## HIS-6H Honors Political and Social History of the United States

3 UNITS

Advisory: REA-83 and qualification for ENG-1A Limitation on enrollment: Enrollment in Honors Program 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. 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 HIS-6 and and HIS-6H. 54 hours lecture.

**34537** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 04:15PM 05:40PM TTH STEM 125

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

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.

**34220** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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

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.

**34213** Last day to add: 03/07/18

LEC 02/24/18 06/02/18 08:00AM 11:35AM S HUM 103

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

**Instructor:** M Hickerson

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

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.

**34215** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 10:30AM 11:55AM MW HUM 103

**Instructor:** S Kyriakos

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

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.

**34216** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 12:45PM 02:10PM MW HUM 103

**Instructor:** S Kyriakos

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

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.

**34217** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 02:00PM 03:25PM TTH HUM 103

**Instructor:** S Kyriakos

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

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.

**34218** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 04:15PM 05:40PM MW HUM 103

**Instructor:** S Kyriakos

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

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.

**34538** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 05:40PM TTH HUM 103

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

**Instructor:** C Day

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

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.

**34221** Last day to add: 02/23/18

WE 02/12/18 06/07/18 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

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.

**34219** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM W HUM 103

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

**Instructor:** D Reina

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

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.

**34214** Last day to add: 02/26/18

WE 02/15/18 05/31/18 06:00PM 09:20PM TH 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-14 African American History I

3 UNITS

Advisory: REA-83 and qualification for ENG-1A Description: A selected study of the complex continent from which African Americans came with special emphasis on the historical, political and socio-cultural aspects of African civilizations in Ancient Egypt and the western Sudan; the transformation of the continent and of Africans through the transatlantic slave trade; and a study of the African American experience during their confinement as slaves in British North America and the early national and ante-bellum periods through the Civil War and Emancipation. 54 hours lecture.

34535 Last day to add: 02/23/18

WE 02/12/18 06/07/18 09:40AM 11:05AM TTH HUM 103

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

Instructor: T Russell

## HIS-25 History of Mexico

3 UNITS

Description: Mexico's social, political, economic, and cultural evolution with a consideration of its place in world affairs. This introductory survey will stress the mosaic cultural influences from the pre-Columbian period to the present with an emphasis on the native cultures, wars and independence, the Mexican Revolution, and Mexico in the twentieth century. 54 hours lecture.

34536 Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM T HUM 103

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

Instructor: D Reina

## HUMANITIES

### HUM-5 Arts and Ideas: Renaissance through the Modern Era

3 UNITS

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.

34229 Last day to add: 02/23/18

OL 02/12/18 06/07/18 ON LINE

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

See www.opencampus.com.

Instructor: D Palmer

### HUM-9 American Voices

3 UNITS

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.

34612 Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 11:55AM MW STEM 201

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

Instructor: M Bobo

### HUM-10 World Religions

3 UNITS

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.

34227 Last day to add: 02/23/18

OL 02/12/18 06/07/18 ON LINE

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

See www.opencampus.com.

Instructor: D Palmer

### HUM-10 World Religions

3 UNITS

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.

34226 Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:35PM 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

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.

34224 Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 05:40PM TTH IT 117

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

Instructor: M Bobo

### HUM-10 World Religions

3 UNITS

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.

34223 Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM T ATEC 114

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

Instructor: J Gill

### HUM-18 Death: an Interdisciplinary Perspective

3 UNITS

Advisory: REA-83 and qualification for English 1A Description: An interdisciplinary study of death from historical, mythological, religious, philosophical, and biological perspectives. The evolving way in which world cultures have understood the problem of death is studied through works of literature, art, and philosophy. 54 hours lecture.

34607 Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:10AM 09:35AM TTH STEM 302

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

Instructor: M Bobo

## HUM-23 The Bible As Literature

3 UNITS

Advisory: ENG-1B or ENG-1BH and REA-83 Description: A survey of the Hebrew Bible and New Testament with emphasis on literary form, styles, and themes. 54 hours lecture. (Letter Grade, or Pass/No Pass Option.)

**34608** Last day to add: 02/23/18

WE 02/12/18 06/07/18 11:15AM 12:40PM TTH IT 108

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

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.)

**34231** Last day to add: 03/06/18

LEC 02/23/18 06/01/18 02:00PM 05:00PM F LIBR 110

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

Instructor: A Jimenez

## JAPANESE

### JPN-1 Japanese 1

5 UNITS

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 Japanese at the beginning level. This course includes discussion of Japanese culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA Option)(Letter Grade, or Pass/No Pass option.)

**34232** Last day to add: 02/23/18

WE 02/12/18 06/07/18 03:00PM 06:10PM M LIBR 109

WE2 02/12/18 06/07/18 03:00PM 05:05PM W LIBR 121

WEL 02/12/18 06/07/18 05:15PM 06:05PM W LIBR 121

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

Instructor: A Dohr

### JPN-2 Japanese 2

5 UNITS

Prerequisite: JPN-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 Japanese at the beginning level. This course includes an expanded discussion of Japanese culture and daily life. 90 hours lecture and 18 hours laboratory. (TBA Option)(Letter Grade, or Pass/No Pass option.)

**34233** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 05:10PM TH LIBR 109

WE2 02/12/18 06/07/18 02:00PM 04:05PM T LIBR 121

WEL 02/12/18 06/07/18 04:15PM 05:05PM T LIBR 121

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

Instructor: C Dealba-Yount

## KINESIOLOGY

### KIN-4 Nutrition

3 UNITS

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.

**34244** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 08:00AM 09:25AM TTH WEQ W7

Instructor: T Wallstrom

### KIN-4 Nutrition

3 UNITS

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.

**34245** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 09:40AM 11:05AM TTH WEQ W7

Instructor: T Wallstrom

### KIN-4 Nutrition

3 UNITS

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.

**34246** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 07:00PM MW WEQ W7

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

Instructor: M Donovan

### KIN-10 Introduction to Kinesiology

3 UNITS

The study of human movement, sub-disciplines in Kinesiology and career opportunities.

PREREQUISITE: None.

**34235** Last day to add: 02/23/18

WE 02/12/18 06/07/18 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

The study of human movement, sub-disciplines in Kinesiology and career opportunities.

PREREQUISITE: None.

**34234** Last day to add: 02/26/18

LEC 02/15/18 05/31/18 06:00PM 09:20PM TH WEQ W3

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

Instructor: D Bednarczyk

## KIN-16 Introduction to Athletic Training 3 UNITS

Analyzes and applies basic concepts of athletic training with emphasis on care and prevention of athletic injuries.

PREREQUISITE: None.

**34236** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 04:15PM 06:45PM T WEQ W3

LAB 02/12/18 06/07/18 07:00PM 08:25PM T WEQ W3

Instructor: J Winn

## KIN-30 First Aid and CPR 3 UNITS

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.

PREREQUISITE: None.

**34238** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 09:25AM TTH WEQ W3

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

Instructor: S Witmer

## KIN-30 First Aid and CPR 3 UNITS

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.

PREREQUISITE: None.

**34239** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 11:55AM MW WEQ W3

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

Instructor: S Witmer

## KIN-30 First Aid and CPR 3 UNITS

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.

PREREQUISITE: None.

**34237** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 09:10PM W WEQ W3

Instructor: J McMains

## KIN-35 Foundation for Fitness and Wellness 3 UNITS

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.

**34579** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 09:15AM 10:05AM M WEQ W3

LEC2 02/12/18 06/07/18 09:15AM 10:20AM W WEQ W3

LAB 02/12/18 06/07/18 10:30AM 11:55AM MW WEQ W8

Instructor: W Elton

## KIN-36 Wellness: Lifestyle Choices 3 UNITS

Studies the various dimensions of wellness as they relate to living a positive, healthy life.

PREREQUISITE: None.

**34240** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 09:40AM 11:05AM TTH WEQ W3

Instructor: B Wimer

## KIN-36 Wellness: Lifestyle Choices 3 UNITS

Studies the various dimensions of wellness as they relate to living a positive, healthy life.

PREREQUISITE: None.

**34241** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 11:15AM 12:40PM TTH WEQ W3

Instructor: B Wimer

## KIN-38 Stress Management 3 UNITS

Description: This course addresses 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.

**34243** Last day to add: 02/23/18

LEC 02/12/18 05/02/18 02:00PM 03:50PM MW WEQ W3

LAB 02/12/18 05/02/18 04:00PM 05:05PM MW WEQ W2

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

Instructor: B Wimer

## KIN-A40 Karate, Beginning 1 UNIT

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.)

**34247** Last day to add: 02/23/18

LAB 02/12/18 06/07/18 12:45PM 02:10PM MW WEQ W2

Instructor: D Namekata

## KIN-A41 Karate, Intermediate

1 UNIT

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.)

**34248** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 12:45PM 02:10PM MW WEQ W2

Instructor: D Namekata

## KIN-A46 Hatha Yoga, Beginning

1 UNIT

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

PREREQUISITE: None.

**34249** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 08:00AM 09:25AM TTH WEQ W2

Instructor: F Stewart

## KIN-A46 Hatha Yoga, Beginning

1 UNIT

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

PREREQUISITE: None.

**34250** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 08:45AM 10:10AM MW WEQ W2

Instructor: L Zank

## KIN-A46 Hatha Yoga, Beginning

1 UNIT

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

PREREQUISITE: None.

**34580** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 09:40AM 11:05AM TTH WEQ W2

Instructor: F Stewart

## KIN-A47 Hatha Yoga, Intermediate

1 UNIT

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.)

**34251** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 09:40AM 11:05AM TTH WEQ W2

Instructor: F Stewart

## KIN-A64 Soccer

1 UNIT

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.)

**34252** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 08:00AM 09:25AM TTH SOCR 2

Instructor: F Melgarejo

## KIN-A64 Soccer

1 UNIT

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.)

**34253** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 10:30AM 11:55AM MW SOCR 2

Instructor: E Camperell

## KIN-A75B Walking for Fitness: Intermediate

1 UNIT

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.)

**34254** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 08:00AM 09:25AM TTH WEQ W8

Instructor: B Wimer

## KIN-A77B Jogging for Fitness, Intermediate

1 UNIT

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.)

**34556** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 08:45AM 10:10AM MW WEQ W8

Instructor: B Wimer

## KIN-A81A Physical Fitness, Beginning

1 UNIT

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.)

**34257** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 12:15PM 01:40PM MW WEQ W8

Instructor: B Wimer

**KIN-A81B Physical Fitness, Intermediate 1 UNIT**  
Provides concepts for total fitness and develops personalized exercise programs for cardiovascular endurance, strength and flexibility.  
PREREQUISITE: None.  
**34557** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 02:30PM 03:55PM TTH WEQ W8  
**Instructor:** V Genian

**KIN-V95 Out-Of-Season Sport Conditioning 1 UNIT**  
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.)  
**34259** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 09:40AM 11:05AM TTH WEQ W8  
**Instructor:** F Melgarejo

**KIN-V95 Out-Of-Season Sport Conditioning 1 UNIT**  
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.)  
**34258** Last day to add: 02/23/18  
LAB 02/12/18 06/07/18 02:30PM 03:55PM MW WEQ W8  
**Instructor:** E Camperell

## LIBRARY

**LIB-1 Introduction to Information Literacy 1 UNIT**  
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.)  
**34261** Last day to add: 04/24/18  
OL 04/16/18 06/07/18 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**  
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.)  
**34260** Last day to add: 02/18/18  
HYB 02/12/18 04/08/18 03:00PM 04:15PM W CACT 2  
HYBO 02/12/18 04/08/18 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**  
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.) 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,  
**34262** Last day to add: 02/19/18  
HYB 02/15/18 04/05/18 05:40PM 09:15PM TH JFK 226  
HYBO 02/15/18 04/05/18 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:** L White

**MAG-47 Applied Business, Management Ethics 3 UNITS**  
An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as BUS-47)  
PREREQUISITE: None.  
**34263** Last day to add: 04/24/18  
OL 04/16/18 06/07/18 ON LINE  
The above section is an online class. Computer with Internet access required.  
See [www.opencampus.com](http://www.opencampus.com).  
**Instructor:** R Beck

**MAG-47 Applied Business, Management Ethics 3 UNITS**  
An examination of ethical concerns including corporate, personal, global, environmental, public related issues ethics audits, and corporate social responsibility. (Same as BUS-47)  
PREREQUISITE: None.  
**34626** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 08:45AM 10:10AM MW IT 210  
The above section is a web-enhanced class. Internet access is required.  
**Instructor:** E Doucette

## MAG-53 Human Relations

3 UNITS

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

PREREQUISITE: None.

34264

Last day to add: 02/20/18

OL 02/12/18 04/08/18

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

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

PREREQUISITE: None.

34265

Last day to add: 04/21/18

HYB 04/17/18 06/05/18 06:30PM 09:40PM T JFK 216

JFK 216

HYBO 04/17/18 06/05/18

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

Introduces techniques involving the selection, training, evaluation and promotion of employees.

PREREQUISITE: None.

34266

Last day to add: 02/17/18

HYB 02/13/18 04/03/18 06:30PM 09:40PM T JFK 216

JFK 216

HYBO 02/13/18 04/03/18

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

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.)

34270

Last day to add: 04/24/18

OL 04/16/18 06/07/18

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: K Mosley

### MAN-56 CNC Machine Set-Up and Operation

4 UNITS

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.

34271

Last day to add: 02/23/18

LEC 02/12/18 06/07/18 06:00PM 07:25PM TTH CACT 2

LAB 02/12/18 06/07/18 07:35PM 09:00PM TTH CACT 2

Instructor: P Van Hulle

### MAN-60 Hydraulic and Pneumatic Systems

3 UNITS

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.)

34583

Last day to add: 03/07/18

LEC 02/24/18 06/02/18 08:30AM 11:05AM S IT 124

LAB 02/24/18 06/02/18 11:45AM 04:35PM S IT 124

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

Instructor: P Maluso

### MAN-64 Programmable Logic Controllers

3 UNITS

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.)

34273

Last day to add: 02/18/18

LEC 02/12/18 04/06/18 09:35AM 10:55AM MWF IT 124

LAB 02/12/18 04/06/18 11:05AM 01:15PM MWF IT 124

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

Instructor: P Van Hulle

### MAN-69 Fundamentals of Tooling and Test Equipment

2 UNITS

Description: An introduction to the tools and equipment used in the facility maintenance occupation, with an emphasis on the safe use, maintenance, and storage of a variety of tools and equipment. Introduces hand and power tools, test equipment, and wiring practices.

34578

Last day to add: 02/13/18

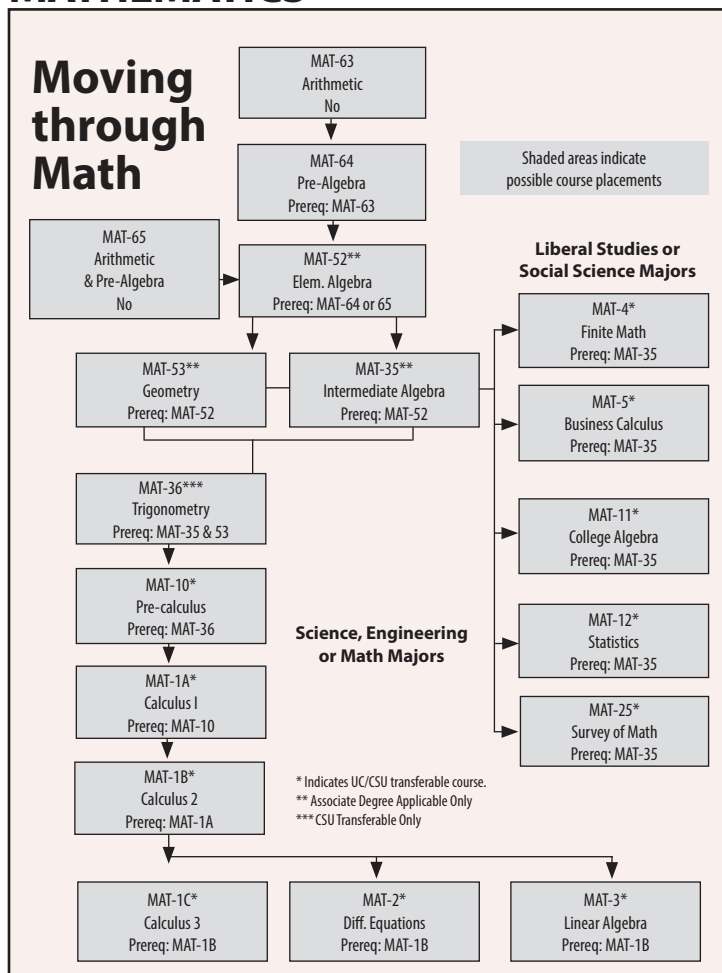
LEC 02/12/18 03/14/18 10:15AM 01:05PM MW ATEC 119

LAB 02/12/18 03/14/18 01:35PM 04:25PM MW ATEC 119

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

Instructor: T Childers

## MATHEMATICS



### MAT-1A Calculus I

4 UNITS

Prerequisite: MAT-10 or qualifying placement level Description: Functions, limits, continuity, differentiation, applications of the derivative and integration, the fundamental theorem of calculus and basic integration. 72 hours lecture and 18 hours laboratory. (Letter Grade or Pass/No Pass option)

**34528** Last day to add: 02/23/18

WE	02/12/18	06/07/18	07:50AM	09:20AM	M	STEM 201
WE2	02/12/18	06/07/18	07:50AM	10:20AM	W	STEM 201
WEL	02/12/18	06/07/18	09:25AM	10:20AM	M	STEM 201

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

**Instructor:** J Warsinski

### 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)

**34297** Last day to add: 02/23/18

WE	02/12/18	06/07/18	09:40AM	12:10PM	T	WEQ W5
WE2	02/12/18	06/07/18	09:40AM	11:10AM	TH	WEQ W5
WEL	02/12/18	06/07/18	11:15AM	12:10PM	TH	WEQ W5

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

**Instructor:** J Frewing

### 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)

**34298** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:00PM	04:30PM	T	WEQ W6
WE2	02/12/18	06/07/18	02:00PM	03:30PM	TH	WEQ W6
WEL	02/12/18	06/07/18	03:35PM	04:30PM	TH	WEQ W6

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

**Instructor:** J Tounignant

### 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)

**34296** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:30PM	08:00PM	M	WEQ W4
WE2	02/12/18	06/07/18	06:30PM	09:00PM	W	WEQ W4
WEL	02/12/18	06/07/18	08:05PM	09:00PM	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.)

**34300** Last day to add: 02/23/18

WE	02/12/18	06/07/18	09:40AM	12:10PM	T	WEQ W6
WE2	02/12/18	06/07/18	09:40AM	11:10AM	TH	WEQ W6
WEL	02/12/18	06/07/18	11:15AM	12:10PM	TH	WEQ W6

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

**Instructor:** J Mulari

## 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.)

**34299** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:10PM	04:40PM	T	STEM 115
WE2	02/12/18	06/07/18	02:10PM	03:40PM	TH	STEM 115
WEL	02/12/18	06/07/18	03:45PM	04:40PM	TH	STEM 115

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

**Instructor:** Staff

## MAT-1B Calculus II

4 UNITS

Prerequisite: MAT-1A Description: Techniques of integration, applications of integration, improper integrals, infinite sequences and series, parametric equations, and polar coordinates. 72 hours lecture and 18 hours laboratory. (Letter Grade, or Pass/No Pass option.)

**34529** Last day to add: 02/23/18

WE	02/12/18	06/07/18	03:00PM	04:30PM	M	STEM 201
WE2	02/12/18	06/07/18	03:00PM	05:30PM	W	STEM 201
WEL	02/12/18	06/07/18	04:35PM	05:30PM	M	STEM 201

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

**Instructor:** M Curtis

## 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.)

**34301** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:30PM	08:00PM	M	ATEC 210
WE2	02/12/18	06/07/18	06:30PM	09:00PM	W	ATEC 210
WEL	02/12/18	06/07/18	08:05PM	09:00PM	M	ATEC 210

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

**Instructor:** M Curtis

## 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.

**34527** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:00PM	04:05PM	TTH	ATEC 204
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** M Curtis

## 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.

**34302** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	04:35PM	MW	WEQ W5
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** J Mulari

## 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.)

**34303** Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:30AM	12:35PM	TTH	STEM 115
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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.)

**34526** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:30PM	03:55PM	MW	HUM 102
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** B Johnson

## 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.)

**34332** Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:30AM	12:35PM	MW	WEQ W4
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** A Hassanzadah



## 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.)

**34331** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 02:00PM 04:05PM TTH IT 109

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)

**34274** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 08:15AM 10:20AM MW IT 109

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

**Instructor:** A Hassanzadah

## 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)

**34521** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 10:30AM 12:35PM TTH STEM 302

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)

**34276** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 12:45PM 02:50PM MW STEM 201

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

**Instructor:** J Tousignant

## MAT-10 Precalculus 4 UNITS

Prerequisite: MAT-36 or qualifying placement level Description: Preparation for calculus: polynomial, absolute value, radical, rational, exponential, logarithmic, and trigonometric functions and their graphs; analytic geometry, polar coordinates, sequences and series. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**34520** Last day to add: 02/23/18  
LEC 02/12/18 06/07/18 03:00PM 05:05PM MW ERHS C101

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

**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)

**34275** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 07:00PM 09:05PM TTH WEQ W5

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

**Instructor:** S Hashemi

## MAT-11 College Algebra 4 UNITS

Prerequisite: MAT-35 or qualifying placement level Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**34279** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 10:30AM 12:35PM MW ATEC 211

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

**Instructor:** L Ting

## 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)

**34281** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 12:45PM 02:50PM MW WEQ W6

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

**Instructor:** J Basinger

## MAT-11 College Algebra 4 UNITS

Prerequisite: MAT-35 or qualifying placement level Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**34278** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 03:00PM 05:05PM MW WEQ W6

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

**Instructor:** J Basinger

## MAT-11 College Algebra

4 UNITS

Prerequisite: MAT-35 or qualifying placement level Description: This course is intended for students majoring in Liberal Arts and Humanities. The topics covered in this course include polynomial, radical, rational, absolute value, exponential and logarithmic functions; systems of equations; polynomial equations; permutations and combinations; analytic geometry; and linear programming. 72 hours lecture. (Letter Grade or Pass/No Pass option)

**34277** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 06:20PM TTH LIBR 108

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)

**34280** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:30PM 08:35PM TTH WEQ W4

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.)

**34290** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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 4/5 to 4/8 and another day between 6/3 and 6/7.

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.)

**34523** Last day to add: 02/23/18

OL 02/12/18 06/07/18 ON LINE

The above section is an online 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.)

**34532** Last day to add: 02/23/18

OL 02/12/18 06/07/18 ON LINE

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

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

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.)

**34283** Last day to add: 02/23/18

WE 02/12/18 06/07/18 07:00AM 09:05AM TTH IT 209

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.)

**34292** Last day to add: 02/23/18

HYB 02/12/18 06/07/18 08:00AM 09:05AM MW IT 117

HYBO 02/12/18 06/07/18 ON LINE

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

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

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.)

**34282** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:15AM 10:20AM MW WEQ W6

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.)

**34522** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:15AM 10:20AM TTH STEM 115

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.)

**34293** Last day to add: 02/23/18

HYB 02/12/18 06/07/18 09:15AM 10:20AM MW IT 117

HYBO 02/12/18 06/07/18 ON LINE

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

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

**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.)

**34285** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 12:35PM MW STEM 115

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

**Instructor:** J La Turno

## 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.)

**34287** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 12:35PM TTH ATEC 204

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

**Instructor:** K Sadatmand

## 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.)

**34284** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:45PM 02:50PM MW STEM 115

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.)

**34288** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 04:05PM TTH WEQ W4

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

**Instructor:** D Wood

## MAT-12 Statistics

4 UNITS

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

**34286** Last day to add: 02/23/18

WE 02/12/18 06/07/18 03:00PM 05:05PM MW STEM 115

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

**Instructor:** J Burke

## 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.)

**34295** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 06:20PM MW IT 210

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

**Instructor:** S Arefin

## 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.)

**34294** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 06:20PM TTH HUM 102

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.)

**34291** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 08:05PM MW STEM 115

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

**Instructor:** J Burke

## 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.)

**34289** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:30PM 08:35PM MW ATEC 114

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

**Instructor:** S Arefin

## 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.)

**34531** Last day to add: 02/23/18

WE 02/12/18 06/07/18 07:00PM 09:05PM TTH HUM 102

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

**Instructor:** S Johnson

## 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.)

**34553** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 12:35PM MW STEM 125

**Instructor:** J Warsinski

## MAT-32 Introduction to Symbolic Logic

3 UNITS

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.

**34304** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:35PM 02:10PM MW HUM 102

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

**Instructor:** M Murphy

## 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)

**34317** Last day to add: 02/23/18  
OL 02/12/18 06/07/18 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 4/5 to 4/8 and another day between 6/3 and 6/7.

**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)

**34319** Last day to add: 02/23/18  
OL 02/12/18 06/07/18 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 4/5 to 4/8 and another day between 6/3 and 6/7.

**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)

**34524** Last day to add: 02/23/18  
OL 02/12/18 06/07/18 ON LINE

The above section is an online 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)

**34326** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 07:00AM 08:35AM MWF IT 209

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

**Instructor:** L Ting

## 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)

**34552** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 07:00AM 09:30AM TTH WEQW4

**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)

**34308** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 08:45AM 10:20AM MWF IT 209

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

**Instructor:** J Higley

## MAT-35 Intermediate Algebra

5 UNITS

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

**34309** Last day to add: 02/23/18  
HYB 02/12/18 06/07/18 08:45AM 10:10AM MW IT 122

HYB0 02/12/18 06/07/18 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)

**34323** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 09:40AM 12:10PM TTH ATEC 210

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

**Instructor:** J DeGuzman

## MAT-35 Intermediate Algebra

5 UNITS

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

**34316** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 10:00AM 12:30PM TTH WEQW4

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)

**34320** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 10:30AM 12:05PM MWF ATEC 210

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

**Instructor:** J Higley

## MAT-35 Intermediate Algebra

5 UNITS

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

**34678** Last day to add: 02/23/18  
LEC 02/12/18 06/07/18 10:30AM 01:00PM TTH 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

## 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)

**34313** Last day to add: 02/23/18  
HYB 02/12/18 06/07/18 12:15PM 01:40PM MW ATEC 210

HYBO 02/12/18 06/07/18 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)

**34677** Last day to add: 02/23/18  
LEC 02/12/18 06/07/18 12:45PM 03:15PM MW CRC CRCL609B

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

## 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)

**34318** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 02:00PM 04:30PM TTH ATEC 210

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

**Instructor:** K Sadatmand

## 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)

**34305** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 02:30PM 05:00PM MW LIBR 108

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

**Instructor:** I Lopez

## 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)

**34321** Last day to add: 02/23/18  
HYB 02/12/18 06/07/18 02:30PM 03:55PM TTH ATEC 211

HYBO 02/12/18 06/07/18 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)

**34306** Last day to add: 02/23/18

WE 02/12/18 06/07/18 03:00PM 05:30PM MW ATEC 211

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

**Instructor:** J DeGuzman

## MAT-35 Intermediate Algebra

5 UNITS

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

**34312** Last day to add: 02/23/18

WE 02/12/18 06/07/18 03:00PM 05:30PM MW STEM 302

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

**Instructor:** B Nguyen

## 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)

**34307** Last day to add: 02/23/18

HYB 02/12/18 06/07/18 05:10PM 06:35PM MW LIBR 108

HYBO 02/12/18 06/07/18 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)

**34311** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 08:30PM MW ATEC 211

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

**Instructor:** J DeGuzman

## MAT-35 Intermediate Algebra

5 UNITS

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

**34310** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:30PM 09:00PM TTH 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)

**34322** Last day to add: 02/23/18

HYB 02/12/18 06/07/18 07:00PM 08:25PM MW LIBR 108

HYBO 02/12/18 06/07/18 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)

**34324** Last day to add: 02/23/18

WE 02/12/18 06/07/18 07:05PM 09:35PM TTH ATEC 211

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

**Instructor:** P Singh

## 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)

**34525** Last day to add: 02/23/18

OL 02/12/18 06/07/18 ON LINE

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

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

**Instructor:** J Driver

## 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)

**34329** Last day to add: 02/23/18

HYB 02/12/18 06/07/18 09:40AM 10:55AM TTH LIBR 108

HYBO 02/12/18 06/07/18 ON LINE

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

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)

**34533** Last day to add: 02/23/18

HYB 02/12/18 06/07/18 11:15AM 12:30PM TTH LIBR 108

HYBO 02/12/18 06/07/18 ON LINE

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

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

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)

**34327** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:45PM 02:50PM MW ATEC 211

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

Instructor: S Borissova

## 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)

**34328** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 06:20PM TTH WEQ W4

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

Instructor: S Hashemi

## 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)

**34330** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:30PM 08:35PM MW WEQ W5

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.)

**34333** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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 4/5 to 4/8 and another day between 6/3 and 6/7.

Instructor: J Driver

## 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.)

**34338** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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 4/5 to 4/8 and another day between 6/3 and 6/7.

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.)

**34341** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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 4/5 to 4/8 and another day between 6/3 and 6/7.

**Instructor:** R Prior

## MAT-52 Elementary Algebra

4 UNITS

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

**34342** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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 4/5 to 4/8 and another day between 6/3 and 6/7.

**Instructor:** R Prior

## MAT-52 Elementary Algebra

4 UNITS

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

**34334** Last day to add: 02/23/18

WE 02/12/18 06/07/18 07:20AM 08:35AM MWF WEQW5

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

**Instructor:** F Gelenchi

## 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.)

**34339** Last day to add: 02/23/18

WE 02/12/18 06/07/18 07:20AM 09:25AM TTH ATEC 204

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

**Instructor:** D Wood

## 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.)

**34348** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:45AM 10:00AM MWF WEQW5

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

**Instructor:** F Gelenchi

## 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.)

**34335** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 11:45AM MWF LIBR 108

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.)

**34336** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:45PM 02:00PM MWF LIBR 108

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.)

**34346** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 04:05PM MW ATEC 210

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.)

**34344** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 04:05PM TTH IT 101

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

**Instructor:** P Kimbrough

## 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.)

**34340** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 06:20PM MW HUM 102

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

**Instructor:** S Lee

## MAT-52 Elementary Algebra

4 UNITS

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

**34347** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:45PM 06:50PM TTH ATEC 210

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

**Instructor:** P Singh

## 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.)

**34337** Last day to add: 02/23/18

WE 02/12/18 06/07/18 07:00PM 09:05PM TTH ATEC 210

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

**Instructor:** M Devitt

## 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.

**34349** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:45AM 10:10AM MW WEQ W4

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

**Instructor:** H Mai

## 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.

**34350** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:45PM 02:10PM MW WEQ W4

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.

**34351** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:30PM 05:55PM MW WEQ W4

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

**Instructor:** A Thomas

## MAT-65 Arithmetic and Pre-Algebra

5 UNITS

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.)

PREREQUISITE: None.

**34356** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:45AM 10:20AM MWF ATEC 204

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

**Instructor:** J Frewing

## MAT-65 Arithmetic and Pre-Algebra

5 UNITS

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.)

PREREQUISITE: None.

**34352** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 12:05PM MWF ATEC 204

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

Instructor: J Frewing

## MAT-65 Arithmetic and Pre-Algebra

5 UNITS

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.)

PREREQUISITE: None.

**34353** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 04:30PM TTH WEQ W5

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

Instructor: E Hwang

## MAT-65 Arithmetic and Pre-Algebra

5 UNITS

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.)

PREREQUISITE: None.

**34354** Last day to add: 02/23/18

HYB 02/12/18 06/07/18 05:30PM 06:55PM TTH ATEC 211

HYBO 02/12/18 06/07/18 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-65 Arithmetic and Pre-Algebra

5 UNITS

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.)

PREREQUISITE: None.

**34357** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:30PM 09:00PM MW IT 210

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

Instructor: B Nguyen

## MICROBIOLOGY

### MIC-1 Microbiology

4 UNITS

Prerequisite: Take CHE-2A or CHE-3; and AMY-2A or BIO-1/1H or BIO-11  
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.

**34362** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:30AM 09:55AM MW ST 211

WEL 02/12/18 06/07/18 10:10AM 01:20PM M ST 203

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

Instructor: M Gutierrez

### MIC-1 Microbiology

4 UNITS

Prerequisite: Take CHE-2A or CHE-3; and AMY-2A or BIO-1/1H or BIO-11  
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.

**34364** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:30AM 09:55AM MW ST 211

WEL 02/12/18 06/07/18 10:10AM 01:20PM W ST 203

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

Instructor: M Gutierrez

### MIC-1 Microbiology

4 UNITS

Prerequisite: Take CHE-2A or CHE-3; and AMY-2A or BIO-1/1H or BIO-11  
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.

**34361** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 07:25PM MW IT 101

WEL 02/12/18 06/07/18 04:15PM 05:40PM MW ST 203

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

Instructor: B Moore

### MIC-1 Microbiology

4 UNITS

Prerequisite: Take CHE-2A or CHE-3; and AMY-2A or BIO-1/1H or BIO-11  
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.

**34363** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 07:25PM MW IT 101

WEL 02/12/18 06/07/18 07:45PM 09:10PM MW ST 203

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

Instructor: B Moore

## MUSIC INDUSTRY STUDIES

### MIS-1A Beginning Performance Techniques For Studio Recording 2 UNITS

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.

<b>34370</b>						<b>Last day to add: 02/23/18</b>
WEL	02/12/18	06/07/18	02:30PM	04:20PM	W	THTR 204
WEL2	02/12/18	06/07/18	01:00PM	05:30PM	F	THTR 204

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

**Instructor:** B Kerr

### MIS-1B Intermediate Performance Techniques For Studio Recording 2 UNITS

Prerequisite: MIS-1A Description: Continuation of the skills studied in MIS-1A focusing on song collaboration, organization of vocals and instruments needed to record. Students will have the opportunity to participate in the planning process of a recording session utilizing techniques such as song formation, microphone technique, mixing and production. The class will culminate in a CD recording. This class is appropriate for intermediate vocalists and instrumentalists. 108 hours laboratory.

<b>34371</b>						<b>Last day to add: 02/23/18</b>
WEL	02/12/18	06/07/18	02:30PM	04:20PM	W	THTR 204
WEL2	02/12/18	06/07/18	01:00PM	05:30PM	F	THTR 204

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

**Instructor:** B Kerr

### MIS-1C Advanced Performance Techniques For Studio Recording 2 UNITS

Prerequisite: MIS-1B Description: Advanced performance techniques for the recording studio. A continuation of the skills studied in MIS-1B the focus of this course is communication, song collaboration, studio session mapping. Students will have the opportunity to lead a collaborative group, duet or solo project toward successful completion/recording utilizing techniques such as song formation, microphone technique, mixing and production. The class will culminate in a CD recording. This class is appropriate for advanced vocalists and instrumentalists. 108 hours laboratory.

<b>34372</b>						<b>Last day to add: 02/23/18</b>
WEL	02/12/18	06/07/18	02:30PM	04:20PM	W	THTR 204
WEL2	02/12/18	06/07/18	01:00PM	05:30PM	F	THTR 204

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

**Instructor:** B Kerr

### 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.

<b>34373</b>						<b>Last day to add: 02/23/18</b>
WE	02/12/18	06/07/18	02:00PM	03:05PM	T	HUM 101
WEL	02/12/18	06/07/18	03:15PM	04:20PM	T	HUM 101
WEL2	02/12/18	06/07/18	02:00PM	04:10PM	TH	HUM 101

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

**Instructor:** B Kerr

### MIS-3 Digital Audio Production 1 4 UNITS

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.

<b>34374</b>						<b>Last day to add: 02/23/18</b>
WE	02/12/18	06/07/18	08:00AM	09:25AM	MW	IT 106
WEL	02/12/18	06/07/18	09:35AM	10:55AM	MW	IT 106

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

**Instructor:** A Eastwood

### 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.

<b>34375</b>						<b>Last day to add: 02/23/18</b>
WE	02/12/18	06/07/18	04:30PM	05:55PM	MW	IT 106
WEL	02/12/18	06/07/18	06:05PM	07:30PM	MW	IT 106

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

**Instructor:** B Kerr

### MIS-7 Introduction To Music Technology 3 UNITS

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.

<b>34376</b>						<b>Last day to add: 02/23/18</b>
WE	02/12/18	06/07/18	06:30PM	07:35PM	T	IT 106
WE2	02/12/18	06/07/18	06:30PM	07:20PM	TH	IT 106
WEL	02/12/18	06/07/18	07:45PM	09:10PM	TTH	IT 106

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

**Instructor:** A Eastwood

## MIS-11A Studio Arts Ensemble I

2 UNITS

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)

**34367** Last day to add: 03/15/18

WEL 02/12/18 06/07/18 04:30PM 06:25PM TTH 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:** B Palispis

## 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)

**34368** Last day to add: 03/15/18

WEL 02/12/18 06/07/18 04:30PM 06:25PM TTH 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:** B Palispis

## 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.

**34369** Last day to add: 02/23/18

WE 02/12/18 06/07/18 09:40AM 10:30AM T IT 106

WE2 02/12/18 06/07/18 09:40AM 10:45AM TH IT 106

WEL 02/12/18 06/07/18 10:55AM 12:20PM TTH IT 106

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

**Instructor:** K Kamerin

## MIS-200 Mis Music Industry Studies Work Experience 1 UNIT

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.)

**34694** Last day to add: 02/23/18

WRKO 02/12/18 06/07/18 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

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.

**34377** Last day to add: 02/17/18

HYB 02/13/18 04/03/18 06:30PM 09:40PM T IT 108

HYBO 02/13/18 04/03/18 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

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.)

**34378** Last day to add: 04/21/18

HYB 04/17/18 06/05/18 06:30PM 09:40PM T IT 108

HYBO 04/17/18 06/05/18 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

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)

**34384** Last day to add: 02/23/18

WE	02/12/18	06/07/18	09:40AM	11:05AM	TTH	HUM 101
WEL	02/12/18	06/07/18	11:25AM	12:50PM	TTH	HUM 101

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

**Instructor:** Z Shehata

### 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)

**34393** Last day to add: 02/23/18

WE	02/12/18	06/07/18	07:45AM	09:10AM	MW	HUM 101
WEL	02/12/18	06/07/18	09:30AM	10:55AM	MW	HUM 101

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

**Instructor:** K Kamerin

### 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)

**34394** Last day to add: 02/23/18

WE	02/12/18	06/07/18	07:45AM	09:10AM	MW	HUM 101
WEL	02/12/18	06/07/18	09:30AM	10:55AM	MW	HUM 101

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

**Instructor:** K Kamerin

### MUS-19 Music Appreciation 3 UNITS

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.

**34380** Last day to add: 02/23/18

OL	02/12/18	06/07/18				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:** I Zubizarreta

### MUS-19 Music Appreciation 3 UNITS

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.

**34381** Last day to add: 02/23/18

WE	02/12/18	06/07/18	12:45PM	02:10PM	MW	THTR 101
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** E Holt

### MUS-19 Music Appreciation 3 UNITS

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.

**34379** Last day to add: 02/26/18

WE	02/15/18	05/31/18	06:30PM	09:50PM	TH	IT 117
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The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.

**Instructor:** N Estes

### MUS-23 History of Rock and Roll 3 UNITS

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.

**34383** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:00PM	03:25PM	TTH	ATEC 114
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** N Pirozzi

### MUS-30 Class Voice 1 UNIT

Description: Group study of vocal production, voice techniques, diction and interpretation. Opportunity provided for individual attention and performance. 54 hours laboratory.

**34385** Last day to add: 02/23/18

WEL	02/12/18	06/07/18	02:00PM	03:25PM	TTH	THTR 204
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The above section is a web-enhanced class. Internet access is required.

**Instructor:** N Estes

## MUS-32A Class Piano I

1 UNIT

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.

**34386** Last day to add: 02/23/18

WEL 02/12/18 06/07/18 12:45PM 02:10PM MW HUM 101

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

**Instructor:** N Pirozzi

## 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.

**34387** Last day to add: 02/23/18

WEL 02/12/18 06/07/18 02:30PM 03:55PM MW HUM 101

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

**Instructor:** N Pirozzi

## MUS-32C Class Piano III

1 UNIT

Prerequisite: MUS-32B or the equivalent Description: Continuation of the skills studied in MUS 32B focusing on keyboard techniques required for playing major and minor scales, diatonic chord progressions, harmonizing melodies, transposing, accompanying, score reading, reading chord symbols, sight reading and performance of intermediate-level piano learning pieces. 54 hours laboratory.

**34388** Last day to add: 02/23/18

WEL 02/12/18 06/07/18 02:30PM 03:55PM MW HUM 101

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

**Instructor:** N Pirozzi

## MUS-32D Class Piano IV

1 UNIT

Prerequisite: MUS-32C or the equivalent Description: Culmination of keyboard skills previously studied focusing on increasing keyboard facility for playing major and minor scales and arpeggios, diatonic chord progressions, harmonizing melodies, modulating, transposing, accompanying, simple score reading, sight reading and performance of piano pieces from the standard classical piano teaching literature. 54 hours laboratory.

**34389** Last day to add: 02/23/18

WEL 02/12/18 06/07/18 02:30PM 03:55PM MW HUM 101

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

**Instructor:** N Pirozzi

## MUS-37 Class Guitar

1 UNIT

Basic guitar playing skills including reading from music notation.

PREREQUISITE: None.

**34390** Last day to add: 02/23/18

WEL 02/12/18 06/07/18 04:30PM 05:55PM MW THTR 204

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

**Instructor:** B Palispis

## MUS-38 Beginning Applied Music I

2 UNITS

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.

**34391** Last day to add: 03/19/18

WEL 02/12/18 06/07/18

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@norcollege.edu or 951-738-7703.

**Instructor:** K Kamerin

## MUS-39 Applied Music I

3 UNITS

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.

**34392** Last day to add: 03/19/18

WEL 02/12/18 06/07/18

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@norcollege.edu or 951-738-7703.

**Instructor:** K Kamerin

## MUS-41 Chamber Singers

2 UNITS

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)

**34584** Last day to add: 03/14/18

WEL 02/12/18 06/07/18 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:** K Kameran

## MUS-78 Beginning Applied Music II

2 UNITS

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)

**34395** Last day to add: 03/19/18

WEL 02/12/18 06/07/18

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 Kameran 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.kameran@norcollege.edu or call 951-738-7703.

**Instructor:** K Kameran

## MUS-79 Applied Music II

3 UNITS

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.

**34396** Last day to add: 03/19/18

WEL 02/12/18 06/07/18

The above section is a web-enhanced class and has a 162-hour laboratory requirement to be arranged. Internet access is required. This course offers private study in voice, piano, guitar, bass or drums. An audition is required. A mandatory instructional meeting will be held on Thursday, February 15th from 12:50PM - 1:50PM in THTR 101. If you cannot attend the meeting, you must contact Professor Kameran 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.kameran@norcollege.edu or call 951-738-7703.

**Instructor:** K Kameran

## MUS-89 Music of Multicultural America

3 UNITS

A comparative and integrative study of the multicultural musical styles of the United States.

PREREQUISITE: None.

**34397**

OL 02/12/18 06/07/18

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

See www.opencampus.com.

**Instructor:** I Zubizarreta

Last day to add: 02/23/18

ON LINE

## MUS-89H Honors Music of Multicultural America

3 UNITS

Limitation on enrollment: Enrollment in the RCCD Honors Program  
Description: An honors course that offers a comparative and integrative study of the multicultural musical styles of the United States. Includes the musics of Native Americans, European Americans, African Americans, Chicano/Latino Americans, and Asian Americans, from their historical roots to the present. Analysis of musical traditions from a technical and a cultural perspective; and sequential development of listening and descriptive skills through a variety of media including films, recordings, and computer-assisted instruction. Students may not receive credit for both MUS-89 and MUS-89H. 54 hours lecture.

**34585** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 09:25AM MW STEM 125

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

**Instructor:** B Bozonelos

## MUS-93 The Business of Music

3 UNITS

An overview of the business side of performing, recording and publishing music.

PREREQUISITE: None.

**34398**

WE 02/12/18 06/07/18 12:45PM 02:10PM MW IT 109

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

**Instructor:** V Mixson

Last day to add: 02/23/18

## MUS-200 Music Work Experience

1 UNIT

Course is designed to coordinate the student's occupational on-the-job training with related classroom instruction.

PREREQUISITE: None.

ADVISORY: Students should have paid or voluntary employment.

**34693**

WRKO 02/12/18 06/07/18

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

Last day to add: 02/23/18

ON LINE



## PHILOSOPHY

### PHI-10 Introduction to Philosophy 3 UNITS

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.

**34401** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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-10 Introduction to Philosophy 3 UNITS

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.

**34402** Last day to add: 03/07/18

WE 02/24/18 06/02/18 08:00AM 11:35AM 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: J Gill

### PHI-10 Introduction to Philosophy 3 UNITS

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.

**34400** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:45AM 10:10AM MW LIBR 108

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

Instructor: J Sentmanat

### PHI-10 Introduction to Philosophy 3 UNITS

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.

**34404** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:05PM 01:30PM MW WEQ W3

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

Instructor: J Sentmanat

### PHI-10 Introduction to Philosophy 3 UNITS

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.

**34399** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:30PM 03:55PM MW ATEC 204

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

Instructor: J Sentmanat

### PHI-10 Introduction to Philosophy 3 UNITS

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.

**34403** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM W IT 117

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

Instructor: J Gill

### PHI-11 Critical Thinking 3 UNITS

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.

**34405** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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

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.

**34406** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 11:55AM MW WEQ W5

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

Instructor: M Murphey

## PHI-11 Critical Thinking 3 UNITS

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.

**34407** Last day to add: 03/06/18

WE 02/23/18 06/01/18 10:30AM 02:35PM 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: T Farmer

## PHI-12 Ethics: Contemp Moral Issues 3 UNITS

An examination of contemporary moral problems in light of ethical theory.

PREREQUISITE: None.

**34408** Last day to add: 02/23/18

WE 02/12/18 06/07/18 09:40AM 11:05AM TTH ATEC 211

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

Instructor: J Sentmanat

## PHI-32 Introduction to Symbolic Logic 3 UNITS

Principles of deductive reasoning applying modern symbolic techniques. (Same as MAT-32)

PREREQUISITE: None. LIMITATION ON ENROLLMENT: May not be taken if credit for MAT-32 has been granted.

**34409** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:35PM 02:10PM MW HUM 102

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

Instructor: M Murphey

## PHI-33 Introduction to Social and Political Philosophy 3 UNITS

Advisory: Qualification for ENG 1A Description: An introduction to issues in social and political philosophy. Discusses both the development of political philosophy in response to varying historical problems and the application of political philosophy to contemporary issues; topics studied include ancient Greek, social contract, communism, and modern political philosophy. 54 hours lecture.

**34410** Last day to add: 02/23/18

WE 02/12/18 06/07/18 11:15AM 12:40PM TTH LIBR 109

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

Instructor: J Sentmanat

## PHOTOGRAPHY

### PHO-20 Introduction to Digital Photography 3 UNITS

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.

**34610** Last day to add: 03/06/18

WE 02/23/18 06/01/18 08:00AM 10:30AM F ATEC 109

WEL 02/23/18 06/01/18 10:40AM 03:55PM 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: B May

## PHYSICAL SCIENCE

### PHS-1 Introduction to Physical Science 3 UNITS

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.

**34411** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 08:00AM 09:25AM TTH HUM 201

Instructor: D Johnson

### PHS-1 Introduction to Physical Science 3 UNITS

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.

**34412** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 04:15PM 05:40PM MW IT 117

Instructor: D Johnson

## PHYSICS

### PHY-2A General Physics I 4 UNITS

Corequisite: MAT-1A Description: Meets the requirements for students majoring in biological science, including pre-medical and pre-dental students. This course examines: properties of matter; study of kinematics and mechanics, including Newton's laws, energy, momentum, and rotational motion; fluid mechanics; gravitation; study of oscillatory motion; study of wave motion, including sound waves. 54 hours lecture and 54 hours laboratory.

**34416** Last day to add: 02/23/18

WE	02/12/18	06/07/18	11:15AM	12:40PM	TTH	HUM 201
WEL	02/12/18	06/07/18	02:00PM	05:10PM	TH	HUM 201

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

**Instructor:** O Tripathi

### PHY-4A Mechanics 4 UNITS

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.

**34417** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:45AM	10:10AM	MW	HUM 201
WEL	02/12/18	06/07/18	01:00PM	04:10PM	W	HUM 201

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

**Instructor:** P Tran

### PHY-4A Mechanics 4 UNITS

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.

**34418** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:00PM	07:25PM	TTH	ST 211
WEL	02/12/18	06/07/18	06:00PM	09:10PM	W	HUM 201

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

**Instructor:** L Daniels

### 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.

**34419** Last day to add: 02/23/18

WE	02/12/18	06/07/18	10:30AM	11:55AM	MW	HUM 201
WEL	02/12/18	06/07/18	01:00PM	04:10PM	M	HUM 201

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

**Instructor:** P Tran

### 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.

**34413** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	02:30PM	03:55PM	TTH	ST 108
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**Instructor:** L Daniels

### 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.

**34414** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:00PM	09:10PM	T	HUM 201
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**Instructor:** C MacDougall

### PHY-11 Physics Laboratory 1 UNIT

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.

**34415** Last day to add: 02/26/18

LAB	02/15/18	05/31/18	06:00PM	09:20PM	TH	HUM 201
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The above section is a short term class. Please note the start and end dates.

**Instructor:** C MacDougall

## POLITICAL SCIENCE

### POL-1 American Politics 3 UNITS

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.

**34425** Last day to add: 02/23/18

OL	02/12/18	06/07/18	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:** S Popiden

### POL-1 American Politics 3 UNITS

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.

**34426** Last day to add: 02/23/18

OL	02/12/18	06/07/18	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:** S Popiden

### POL-1 American Politics 3 UNITS

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.

**34434** Last day to add: 02/23/18

OL	02/12/18	06/07/18	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:** R Madrid

**POL-1 American Politics 3 UNITS**  
 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.  
**34423 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 08:00AM 09:25AM TTH IT 122  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** R Brown

**POL-1 American Politics 3 UNITS**  
 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.  
**34432 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 08:45AM 10:10AM MW ATEC 211  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** C Samuels

**POL-1 American Politics 3 UNITS**  
 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.  
**34427 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 09:40AM 11:05AM TTH IT 122  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** R Brown

**POL-1 American Politics 3 UNITS**  
 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.  
**34420 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 10:30AM 11:55AM MW IT 122  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** Staff

**POL-1 American Politics 3 UNITS**  
 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.  
**34433 Last day to add: 02/23/18**  
 HYB 02/12/18 06/07/18 02:00PM 03:25PM T WEQ W3  
 HYBO 02/12/18 06/07/18 ON LINE  
 The above section is a hybrid class. Computer with Internet access required.  
 See www.opencampus.com.  
**Instructor:** S Popiden

**POL-1 American Politics 3 UNITS**  
 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.  
**34430 Last day to add: 02/26/18**  
 HYB 02/15/18 05/31/18 02:00PM 03:25PM TH WEQ W3  
 HYBO 02/15/18 05/31/18 ON LINE  
 The above section is a short term hybrid class. Computer with Internet access required.  
 See www.opencampus.com. Please note the start and end dates.  
**Instructor:** S Popiden

**POL-1 American Politics 3 UNITS**  
 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.  
**34431 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 04:15PM 05:40PM MW IT 122  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** R Madrid

**POL-1 American Politics 3 UNITS**  
 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.  
**34424 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 04:15PM 05:40PM TTH IT 122  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** R Brown

**POL-1 American Politics 3 UNITS**  
 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.  
**34428 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 06:00PM 09:10PM M WEQ W6  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** R Madrid

**POL-1 American Politics 3 UNITS**  
 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.  
**34429 Last day to add: 02/23/18**  
 WE 02/12/18 06/07/18 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

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.

**34422** Last day to add: 02/26/18

WE 02/15/18 05/31/18 06:00PM 09:20PM TH STEM 201

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

**Instructor:** E Kehlenbach

## POL-4H Honors Introduction to World Politics 3 UNITS

Advisory: REA-83 and Qualification for ENG-1A Limitation on enrollment: Enrollment in the Honors Program Description: A study of the theories, paradigms, and issues of global politics. Special attention is given to the role of the United States in the international community, the role of international organizations and international political economy. This honors course offers an enriched experience for accelerated students by means of limited class size, seminar format, student-generated and-led discussions and projects, 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 POL-4 and POL-4H. 54 hours lecture.

**34549** Last day to add: 02/23/18

WE 02/12/18 06/07/18 11:15AM 12:40PM TTH STEM 125

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

**Instructor:** S Popiden

## POL-5 The Law and Politics 3 UNITS

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.

**34548** Last day to add: 02/23/18

WE 02/12/18 06/07/18 11:15AM 12:40PM TTH IT 122

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

**Instructor:** C Samuels

## POL-11 Political Theory 3 UNITS

Advisory: REA-83 and qualification for English 1A Description: This course will examine the major contributions of political thinkers from Socrates to the present. Political concepts such as democracy, the rule of law, justice, natural rights, sovereignty, citizenship, power, the state, revolution, liberty, reason, materialism, toleration, and the place of religion in society and politics are traced from their origins, through their development and changing patterns, to show how they influence political thinking and institutions today. 54 hours lecture.

**34550** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 03:25PM TTH IT 122

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

**Instructor:** C Samuels

## PSYCHOLOGY

### PSY-1 General Psychology 3 UNITS

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

PREREQUISITE: None.

**34440** Last day to add: 02/23/18

OL 02/12/18 06/07/18 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

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

PREREQUISITE: None.

**34439** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 09:25AM TTH IT 117

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

**Instructor:** L Adams

### PSY-1 General Psychology 3 UNITS

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

PREREQUISITE: None.

**34445** Last day to add: 03/07/18

WE 02/24/18 06/02/18 08:00AM 11:35AM 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:** B Adams

### PSY-1 General Psychology 3 UNITS

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

PREREQUISITE: None.

**34442** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:45AM 10:10AM MW ATEC 114

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

**Instructor:** L Adams

### PSY-1 General Psychology 3 UNITS

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

PREREQUISITE: None.

**34441** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 11:55AM MW IT 117

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

**Instructor:** H Alvarado

**PSY-1 General Psychology 3 UNITS**  
 Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.  
 PREREQUISITE: None.  
**34438** Last day to add: 02/23/18  
 WE 02/12/18 06/07/18 12:45PM 02:10PM MW ATEC 204  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** H Alvarado

**PSY-1 General Psychology 3 UNITS**  
 Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.  
 PREREQUISITE: None.  
**34444** Last day to add: 03/06/18  
 WE 02/23/18 06/01/18 01:00PM 05:05PM F HUM 111  
 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-1 General Psychology 3 UNITS**  
 Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.  
 PREREQUISITE: None.  
**34446** Last day to add: 02/23/18  
 WE 02/12/18 06/07/18 04:15PM 05:40PM MW WEQW7  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** N Hightower

**PSY-1 General Psychology 3 UNITS**  
 Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.  
 PREREQUISITE: None.  
**34437** Last day to add: 02/23/18  
 WE 02/12/18 06/07/18 06:00PM 09:10PM T IT 117  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** W Radtke

**PSY-1 General Psychology 3 UNITS**  
 Survey of scientific study of behavior and mental processes, including learning, emotion, motivation, emotional problems and therapy.  
 PREREQUISITE: None.  
**34443** Last day to add: 02/26/18  
 WE 02/15/18 05/31/18 06:00PM 09:20PM TH WEQW7  
 The above section is a short term web-enhanced class. Internet access is required. Please note the start and end dates.  
**Instructor:** W Holmquist

**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.  
**34447** Last day to add: 02/23/18  
 WE 02/12/18 06/07/18 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**  
 The study of individual human behavior in relation to the social environment.  
 PREREQUISITE: None.  
**34452** Last day to add: 02/23/18  
 WE 02/12/18 06/07/18 04:15PM 05:40PM TTH ATEC 119  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** K Zamiska

**PSY-9 Developmental Psychology 3 UNITS**  
 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.  
**34551** Last day to add: 02/23/18  
 OL 02/12/18 06/07/18 ON LINE  
 The above section is an online class. Computer with Internet access required.  
 See www.opencampus.com.  
**Instructor:** K Zamiska

**PSY-9 Developmental Psychology 3 UNITS**  
 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.  
**34454** Last day to add: 02/23/18  
 WE 02/12/18 06/07/18 08:00AM 09:25AM TTH ATEC 210  
 The above section is a web-enhanced class. Internet access is required.  
**Instructor:** J Hicks

**PSY-9 Developmental Psychology 3 UNITS**  
 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.  
**34453** Last day to add: 03/07/18  
 WE 02/24/18 06/02/18 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:** W Holmquist

## PSY-9 Developmental Psychology 3 UNITS

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.

**34455** Last day to add: 02/23/18

WE 02/12/18 06/07/18 10:30AM 11:55AM MW WEQ W6

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

**Instructor:** N Hightower

## PSY-9 Developmental Psychology 3 UNITS

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.

**34456** Last day to add: 02/23/18

WE 02/12/18 06/07/18 11:15AM 12:40PM TTH ATEC 205

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

**Instructor:** J Hicks

## PSY-9 Developmental Psychology 3 UNITS

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.

**34457** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:30PM 03:55PM MW WEQ W7

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

**Instructor:** N Hightower

## PSY-35 Abnormal Psychology 3 UNITS

A survey of the nature, causes and treatment of psychological disorder.

PREREQUISITE: None.

**34448** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 03:25PM TTH STEM 201

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.

**34451** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:45PM 02:35PM MW STEM 125

WEL 02/12/18 06/07/18 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.

**34449** Last day to add: 02/23/18

WE 02/12/18 06/07/18 03:00PM 04:50PM MW STEM 125

WEL 02/12/18 06/07/18 10:45AM 12:10PM W CACT 2

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

**Instructor:** K Zamiska

## READING

### REA-81 Foundations for College Reading 3.50 UNITS

Instruction in basic reading skills, along with individually prescribed practice work in a wide range of materials. (Non-degree credit course.)

PREREQUISITE: None.

**34461** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 08:15AM 09:40AM TTH LIBR 110

LAB 02/12/18 06/07/18 07:00AM 07:50AM T LIBR 110

LAB2 02/12/18 06/07/18 07:00AM 08:05AM TH LIBR 110

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

**Instructor:** M Sloniger

### REA-81 Foundations for College Reading 3.50 UNITS

Instruction in basic reading skills, along with individually prescribed practice work in a wide range of materials. (Non-degree credit course.)

PREREQUISITE: None.

**34460** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 11:15AM 12:40PM TTH LIBR 110

LAB 02/12/18 06/07/18 10:00AM 10:50AM T LIBR 110

LAB2 02/12/18 06/07/18 10:00AM 11:05AM TH LIBR 110

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

**Instructor:** M Sloniger

### REA-82 College Reading and Strategies 3.50 UNITS

Prerequisite: REA-81 or qualifying placement level Description: Intended for students who experience significant difficulty in reading college-level materials. Instruction in reading skills at a less basic level than that required in Reading 81, along with individually prescribed practice work, in which a wide range of materials will be utilized. 54 hours lecture and 36 hours laboratory. (Non-degree credit course. Letter Grade, or Pass/No Pass Option.)

**34465** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 08:30AM 09:55AM MW LIBR 110

LAB 02/12/18 06/07/18 07:15AM 08:05AM M LIBR 110

LAB2 02/12/18 06/07/18 07:15AM 08:20AM W LIBR 110

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

**Instructor:** M Sloniger

## REA-82 College Reading and Strategies 3.50 UNITS

Prerequisite: REA-81 or qualifying placement level Description: Intended for students who experience significant difficulty in reading college-level materials. Instruction in reading skills at a less basic level than that required in Reading 81, along with individually prescribed practice work, in which a wide range of materials will be utilized. 54 hours lecture and 36 hours laboratory. (Non-degree credit course. Letter Grade, or Pass/No Pass Option.)

**34464** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	11:45AM	01:10PM	MW	LIBR 110
LAB	02/12/18	06/07/18	10:30AM	11:20AM	M	LIBR 110
LAB2	02/12/18	06/07/18	10:30AM	11:35AM	W	LIBR 110

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

**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.)

**34466** Last day to add: 02/23/18

OL	02/12/18	06/07/18				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:** P Van Osterhoudt

## REA-83 College Reading and Thinking 3 UNITS

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

**34467** Last day to add: 02/23/18

LEC	02/12/18	06/07/18	06:00PM	09:10PM	W	JFK 220
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**Instructor:** M Alvarez

## REAL ESTATE

### RLE-80 Real Estate Principles 3 UNITS

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

PREREQUISITE: None.

**34468** Last day to add: 02/20/18

OL	02/12/18	04/08/18				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:** S Doll

### RLE-80 Real Estate Principles 3 UNITS

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

PREREQUISITE: None.

**34469** Last day to add: 04/24/18

OL	04/16/18	06/07/18				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:** L Namazi

### RLE-80 Real Estate Principles 3 UNITS

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

PREREQUISITE: None.

**34470** Last day to add: 02/23/18

HYB	02/12/18	06/07/18	06:00PM	07:25PM	M	IT 109
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HYB0	02/12/18	06/07/18				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).

**Instructor:** C Barsam

### RLE-81 Real Estate Practices 3 UNITS

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.

**34471** Last day to add: 02/20/18

OL	02/12/18	04/08/18				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:** T Wagner

### RLE-81 Real Estate Practices 3 UNITS

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.

**34472** Last day to add: 04/24/18

OL	04/16/18	06/07/18				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:** T Wagner



## RLE-82 Legal Aspects of Real Estate 3 UNITS

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.

**34473** Last day to add: 02/20/18  
OL 02/12/18 04/08/18 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

## RLE-82 Legal Aspects of Real Estate 3 UNITS

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.

**34474** Last day to add: 04/24/18  
OL 04/16/18 06/07/18 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

## RLE-83 Real Estate Finance 3 UNITS

Analysis of real estate finance in residential, apartment, commercial and special purpose properties.

PREREQUISITE: None.

**34475** Last day to add: 02/20/18  
OL 02/12/18 04/08/18 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

## RLE-83 Real Estate Finance 3 UNITS

Analysis of real estate finance in residential, apartment, commercial and special purpose properties.

PREREQUISITE: None.

**34476** Last day to add: 04/24/18  
OL 04/16/18 06/07/18 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

## RLE-85 Real Estate Economics 3 UNITS

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.

**34477** Last day to add: 04/24/18  
OL 04/16/18 06/07/18 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

## SOCIOLOGY

### SOC-1 Introduction to Sociology 3 UNITS

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

**34481** Last day to add: 02/23/18  
LEC 02/12/18 06/07/18 07:10AM 08:35AM MW WEQW7

**Instructor:** K Andacheh

### SOC-1 Introduction to Sociology 3 UNITS

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

**34483** Last day to add: 02/23/18  
LEC 02/12/18 06/07/18 08:00AM 09:25AM TTH ATEC 114

**Instructor:** K Andacheh

### SOC-1 Introduction to Sociology 3 UNITS

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

**34489** Last day to add: 03/07/18  
WE 02/24/18 06/02/18 08:00AM 11:35AM S HUM 111

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

**Instructor:** M Chavez

### SOC-1 Introduction to Sociology 3 UNITS

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

**34482** Last day to add: 02/23/18  
LEC 02/12/18 06/07/18 08:45AM 10:10AM MW WEQW7

**Instructor:** K Andacheh

## SOC-1 Introduction to Sociology 3 UNITS

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

**34488** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 09:40AM 11:05AM TTH ATEC 114

Instructor: K Andacheh

## SOC-1 Introduction to Sociology 3 UNITS

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

**34484** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 10:30AM 11:55AM MW WEQW7

Instructor: K Andacheh

## SOC-1 Introduction to Sociology 3 UNITS

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

**34487** Last day to add: 03/06/18

WE 02/23/18 06/01/18 10:30AM 02:35PM F ATEC 211

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

Instructor: M Ysais

## SOC-1 Introduction to Sociology 3 UNITS

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

**34478** Last day to add: 02/23/18

WE 02/12/18 06/07/18 02:00PM 03:25PM TTH WEQW7

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

Instructor: J Hill

## SOC-1 Introduction to Sociology 3 UNITS

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

**34486** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 05:40PM MW ATEC 110

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

Instructor: J Hill

## SOC-1 Introduction to Sociology 3 UNITS

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

**34479** Last day to add: 02/23/18

WE 02/12/18 06/07/18 04:15PM 05:40PM TTH IT 101

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

Instructor: J Hill

## SOC-1 Introduction to Sociology 3 UNITS

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

**34540** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM M ATEC 204

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

Instructor: J Hill

## SOC-1 Introduction to Sociology 3 UNITS

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

**34480** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM T IT 101

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

Instructor: F Vu

## SOC-1 Introduction to Sociology

3 UNITS

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

**34485** Last day to add: 02/26/18

WE 02/15/18 05/31/18 06:00PM 09:20PM TH IT 101

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

**Instructor:** J Hill

## SOC-2 American Social Problems

3 UNITS

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.

**34491** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM T IT 109

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

**Instructor:** J Hill

## SOC-3 Social Inequality

3 UNITS

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.

**34493** Last day to add: 02/23/18

LEC 02/12/18 06/07/18 11:15AM 12:40PM TTH ATEC 114

**Instructor:** K Andacheh

## SOC-12 Marriage and Family Relations

3 UNITS

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.

**34490** Last day to add: 02/23/18

WE 02/12/18 06/07/18 12:45PM 02:10PM MW WEQ W5

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

**Instructor:** J Hill

## SOC-20 Criminology

3 UNITS

A sociological analysis of crime, criminal law and criminality.

PREREQUISITE: None.

**34492** Last day to add: 02/23/18

WE 02/12/18 06/07/18 06:00PM 09:10PM W ATEC 204

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/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

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.)

**34497** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 11:10AM W LIBR 109

WE2 02/12/18 06/07/18 08:00AM 10:05AM M LIBR 121

WEL 02/12/18 06/07/18 10:15AM 11:05AM M LIBR 121

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

**Instructor:** D Hitchcock

## SPA-1 Spanish 1

5 UNITS

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

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

**34494** Last day to add: 02/23/18

WE 02/12/18 06/07/18 08:00AM 11:10AM TH LIBR 109

WE2 02/12/18 06/07/18 08:00AM 10:05AM T LIBR 121

WEL 02/12/18 06/07/18 10:15AM 11:05AM T LIBR 121

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

**Instructor:** A Covarrubias

## SPA-1 Spanish 1

5 UNITS

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

**34496** Last day to add: 03/06/18

HYB	02/23/18	06/01/18	08:00AM	11:15AM	F	LIBR 121
HYBO	02/23/18	06/01/18				ON LINE
HYBL	02/23/18	06/01/18	11:25AM	12:35PM	F	LIBR 121

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 Hitchcock

## SPA-1 Spanish 1

5 UNITS

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

**34498** Last day to add: 02/23/18

WE	02/12/18	06/07/18	11:45AM	02:55PM	M	LIBR 109
WE2	02/12/18	06/07/18	11:45AM	01:50PM	W	LIBR 121
WEL	02/12/18	06/07/18	02:00PM	02:50PM	W	LIBR 121

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

**Instructor:** A Covarrubias

## SPA-1 Spanish 1

5 UNITS

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

**34500** Last day to add: 02/23/18

WE	02/12/18	06/07/18	03:00PM	05:05PM	M	LIBR 121
WE2	02/12/18	06/07/18	03:00PM	06:10PM	W	LIBR 109
WEL	02/12/18	06/07/18	05:15PM	06:05PM	M	LIBR 121

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

**Instructor:** N Guillen

## SPA-1 Spanish 1

5 UNITS

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

**34499** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:00PM	09:10PM	TH	LIBR 109
WE2	02/12/18	06/07/18	06:00PM	08:05PM	T	LIBR 121
WEL	02/12/18	06/07/18	08:15PM	09:05PM	T	LIBR 121

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

**Instructor:** A Lomeli Gomez

## SPA-1 Spanish 1

5 UNITS

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

**34495** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:20PM	09:30PM	M	LIBR 109
WE2	02/12/18	06/07/18	06:20PM	08:25PM	W	LIBR 121
WEL	02/12/18	06/07/18	08:35PM	09:25PM	W	LIBR 121

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

**Instructor:** C Solorzano

## 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.)

**34502** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:00AM	11:10AM	M	LIBR 109
WE2	02/12/18	06/07/18	08:00AM	10:05AM	W	LIBR 121
WEL	02/12/18	06/07/18	10:15AM	11:05AM	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.)

**34501** Last day to add: 02/23/18

WE	02/12/18	06/07/18	02:00PM	05:10PM	T	LIBR 109
WE2	02/12/18	06/07/18	02:00PM	04:05PM	TH	LIBR 121
WEL	02/12/18	06/07/18	04:15PM	05:05PM	TH	LIBR 121

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

**Instructor:** R Contreras

## 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.)

**34504** Last day to add: 02/23/18

WE	02/12/18	06/07/18	06:00PM	09:10PM	T	LIBR 109
WE2	02/12/18	06/07/18	06:00PM	08:05PM	TH	LIBR 121
WEL	02/12/18	06/07/18	08:15PM	09:05PM	TH	LIBR 121

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

**Instructor:** I Vejar

## 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.)

**34505** Last day to add: 02/23/18

WE	02/12/18	06/07/18	08:00AM	11:10AM	T	LIBR 109
WE2	02/12/18	06/07/18	08:00AM	10:05AM	TH	LIBR 121
WEL	02/12/18	06/07/18	10:15AM	11:05AM	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.)

**34506** Last day to add: 02/23/18

WE	02/12/18	06/07/18	11:20AM	12:45PM	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

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.

**34507** Last day to add: 02/23/18

OL	02/12/18	06/07/18	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:** W Stevens

### THE-3 Introduction to the Theater

3 UNITS

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.

**34509** Last day to add: 02/20/18

OL	02/12/18	04/08/18	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:** W Stevens

### THE-3 Introduction to the Theater

3 UNITS

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.

**34510** Last day to add: 04/24/18

OL	04/16/18	06/07/18	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:** W Stevens

## THE-3 Introduction to the Theater

3 UNITS

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.

**34508** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 01:55PM 03:20PM TTH THTR 101

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

**Instructor:** W Stevens

## THE-3 Introduction to the Theater

3 UNITS

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.

**34511** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 06:00PM 09:10PM W THTR 101

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

**Instructor:** W Stevens

## THE-39 Acting for the Camera

3 UNITS

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.

**34618** Last day to add: 02/23/18  
WE 02/12/18 06/07/18 03:25PM 04:50PM T THTR 101

WE2 02/12/18 06/07/18 03:25PM 04:30PM TH THTR 101

WEL 02/12/18 06/07/18 04:35PM 05:55PM TTH THTR 101

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

**Instructor:** W Stevens

## WORK EXPERIENCE

### WKX-200 Work Experience

1 UNIT

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.

**34513** Last day to add: 02/23/18  
WRKO 02/12/18 06/07/18 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

### WKX-200 Work Experience

1 UNIT

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.

**34514** Last day to add: 02/23/18  
WRKO 02/12/18 06/07/18 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:** D Dokter

School of STEM



School of Arts & Humanities



*What's Your School?*

**NORCO**  
COLLEGE



School of Social & Behavioral Sciences

School of Business & Management